

List of Publications 2023

Serial No	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end
1.	Tahir S.A., Rafaqat M., Hussan M., Azam M.	Mixed convection flow of lower convected second grade with unsteady MHD nanofluid over a stretching surface in porous medium	2023	International Journal of Modern Physics B	37	32		
2.	Ijaz M., Aslam B., Hasan I., Ullah Z., Roy S., Guo B.	Cell membrane-coated biomimetic nanomedicines: productive cancer theranostic tools	2023	Biomaterials Science	12	4	863	895
3.	Ali S., Ahmad T., Tahir M.Y., Usman M., Chhattal M., Hussain I., Khan S., Hassan A.M., Assiri M.A., Rosaiah P., Javed M.S., Akkinipally B., Qi J.	The emergence of density functional theory for supercapacitors: Recent progress and advances	2023	Journal of Energy Storage	73			
4.	Allen S., Rashid A., Adjani A., Akram M., Khan F.S., Sherwani R., Khalil M.T.	Efficacy and safety of thermobalancing therapy with Dr Allen’s Device for chronic low	2023	World Journal of Orthopedics	14	12	878	888

		back pain: A randomised controlled trial						
5.	Ijaz M.U., Ishtiaq A., Tahir A., Alvi M.A., Rafique A., Wang P., Zhu G.-P.	Antioxidant, anti-inflammatory, and anti-apoptotic effects of genkwanin against aflatoxin B1-induced testicular toxicity	2023	Toxicology and Applied Pharmacology	481			
6.	Ali M.Y., Almufarij R.S., Ashfaq A., Ali Shokralla E., Alsalmah H.A., Capangpangan R.Y., Alguno A.C., Macadangdang R.R., Jr., Essa Khan Z., Hu X., Ali A.	Enhancing thermoelectric properties of CuNiO thin films through post-annealing: Effect on Seebeck coefficient and power generation	2023	Materials Letters	353			
7.	Manzoor A., Shahzad A., Kuch W., Shinwari T., Kumberg I., Shokr Y.A., Khan M.A.	Microstructure, ferromagnetic resonance, and electrical analysis of Ho-substituted Li-Ni nanoparticles	2023	Journal of Alloys and Compounds	968			
8.	Masood N., Irshad M.A., Nawaz R., Abbas T., Abdel-Maksoud M.A., AlQahtani W.H., AbdElgawad H., Rizwan M., Abeed	Green synthesis, characterization and adsorption of chromium and cadmium from wastewater using cerium oxide	2023	Journal of Molecular Structure	1294			

	A.H.A.	nanoparticles; reaction kinetics study						
9.	Bashir M., Majid F., Bibi I., Jamil Z., Ali A., Al-Hoshani N., Mohamed R.A.E.H., Iqbal M., Nazir A.	Spectroscopic investigation of phase transformation of calcium oxalate dehydrates (renal calculi) using acidic Bryophyllum pinnatom powder	2023	Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy	303			
10.	Nazeer U., Mushtaq A., Zahoor A.F., Hafeez F., Shahzadi I., Akhtar R.	Cloke-Wilson rearrangement: a unique gateway to access five- membered heterocycles	2023	RSC Advances	13	50	3569 5	35732
11.	Munir R., Zahoor A.F., Nazeer U., Saeed M.A., Mansha A., Irfan A., Tariq M.U.	Gilman reagent toward the synthesis of natural products	2023	RSC Advances	13	50	3517 2	35208
12.	AL-Gharaibeh M., Ali A., Farooq U., Alhaddad L.	The Interaction Between Asset Tangibility, Cash Holdings, and Financial Development: An Evidence from Emerging Economy	2023	Advances in Decision Sciences	27	4		

13.	Shoukat N., Khawar R.	The Perceived Social Support, Dysfunctional Attitude, Resilience and Quality of Life in Hemiplegic Paralyzed Patients	2023	Pakistan Armed Forces Medical Journal	73	6	1695	1698
14.	Farhan A., Rasul I., Fazal S., Hayat A., Masood N., Shah A., Hassan A., Ali G., Munir U.	An Innovative Approach for the Prediction of Future Arrhythmia through T-wave Alternans on Surface Electrocardiogram (ECG)	2023	Pakistan Armed Forces Medical Journal	73	6	1569	1572
15.	Meharunnisa, Saqlain M., Abid M., Awais M., SteviÄ± Å½.	Analysis of Software Effort Estimation by Machine Learning Techniques	2023	Ingenierie des Systemes d'Information	28	6	1445	1457
16.	Afzal T., Wakeel A., Shahzad T., Hussain S., Sanaullah M.	PHOSPHORUS AND ZINC NUTRITION IN MAIZE (ZEA MAYS L.) UNDER DROUGHT STRESS	2023	Journal of Animal and Plant Sciences	33	6	1292	1303
17.	Chammam W., Farooq U., Sediqmal M.,	Estimation of heat transfer coefficient and	2023	Scientific Reports	13	1		

	Waqas H., Yasmin S., Zulfiqar F., Liu D., Khan S.A.	friction factor with showering of aluminum nitride and alumina water based hybrid nanofluid in a tube with twisted tape insert						
18.	Ali S., Isha, Chang Y.-C.	Ecotoxicological Impact of Bioplastics Biodegradation: A Comprehensive Review	2023	Processes	11	12		
19.	Li X., Zhang L., Shahzad A., Attari P., Zhang Q.	Investigation of Plasma Propagation in Packed-Bed Dielectric Barrier Discharge Based on a Customized Particle-in-Cell/Monte Carlo Collision Model	2023	Plasma	6	4	637	648
20.	Shaheryar Z.A., Khan M.A., Hameed H., Mushtaq M.N., Muhammad S., Shazly G.A., Irfan A., Jardan Y.A.B.	Natural Fatty Acid Guards against Brain Endothelial Cell Death and Microvascular Pathology following Ischemic Insult in	2023	Biomedicines	11	12		

		the Presence of Acute Hyperglycemia						
21.	Saeed S., Munawar S., Ahmad S., Mansha A., Zahoor A.F., Irfan A., Irfan A., Kotwica-Mojzych K., Soroka M., GÅowacka M., Mojzych M.	Recent Trends in the Petasis Reaction: A Review of Novel Catalytic Synthetic Approaches with Applications of the Petasis Reaction	2023	Molecules	28	24		
22.	Rana A.A., Yusaf A., Shahid S., Usman M., Ahmad M., Aslam S., Al-Hussain S.A., Zaki M.E.A.	Unveiling the Role of Nonionic Surfactants in Enhancing Cefotaxime Drug Solubility: A UV-Visible Spectroscopic Investigation in Single and Mixed Micellar Formulations	2023	Pharmaceuticals	16	12		
23.	Hafeez A., Piral Q., Naz S., Almutairi M.H., Alrefaei A.F., Ayasan T., Khan R.U., Losacco C.	Ameliorative Effect of Pomegranate Peel Powder on the Growth Indices, Oocysts Shedding, and Intestinal Health of Broilers under	2023	Animals	13	24		

		an Experimentally Induced Coccidiosis Condition						
24.	Khan H., Khan S.A., Lee M.C., Ghafoor U., Gillani F., Shah U.H.	DDPG-Based Adaptive Sliding Mode Control with Extended State Observer for Multibody Robot Systems	2023	Robotics	12	6		
25.	Hosseinnezhad M., Gharanjig K., Adeel S., Nahavandi A.M.	In quest for improvement of dyeing properties using agriculture waste: utilization of Oleaster as new bio-mordant for wool yarns	2023	Environmental science and pollution research international	30	58	122262	122273
26.	Nawrot N., Wojciechowska E., Mohsin M., Kuittinen S., Pappinen A., Matej-Åukowicz K., Szczepańska K., Cichowska A., Irshad M.A., Tack F.M.G.	Chromium (III) removal by perennial emerging macrophytes in floating treatment wetlands	2023	Scientific Reports	13	1		
27.	Chu Y.-M., Rashid S., Alzahrani T., Alhulayyil H., Alsagri H., Rehman	Complex adaptive learning cortical neural network systems for	2023	Scientific Reports	13	1		

	S.	solving time-fractional difference equations with bursting and mixed-mode oscillation behaviours						
28.	Okla M.K., Saleem M.H., Saleh I.A., Zomot N., Perveen S., Parveen A., Abasi F., Ali H., Ali B., Alwasel Y.A., Abdel-Maksoud M.A., Oral M.A., Javed S., Ercisli S., Sarfraz M.H., Hamed M.H.	Foliar application of iron-lysine to boost growth attributes, photosynthetic pigments and biochemical defense system in canola (Brassica napus L.) under cadmium stress	2023	BMC Plant Biology	23	1		
29.	Bushra, Kiran A., Ahmad M., Shahzad T., Sanaullah M.	MITIGATION OF DROUGHT STRESS IN WHEAT THROUGH EXOGENOUS APPLICATION OF PROLINE	2023	Journal of Animal and Plant Sciences	33	6	1392	1401
30.	Aslam M., Ahmad T., Manzoor M.H., Laiba, Verpoort F.	MXenes as theranostics: Diagnosis and therapy including in vitro and in vivo applications	2023	Applied Materials Today	35			

31.	Jahangeer M., Mustafa G., Munir N., Ahmed S., Al- Anazi K.M.	Exploring the Potential of Plant Bioactive Compounds against Male Infertility: An In Silico and In Vivo Study	2023	Molecules	28	23		
32.	Yasir M.A., Hassan H., Muzaffar N., Afzal A.M., Iqbal M.W., Ghfar A.A., Mumtaz S., Munnaf S.A., Anjum F., Yaqoob M.Z., Zaka A., Ahmad Z.	Effect of Fe doping on structural, morphological and electrochemical characteristics of CuS@CNTs composite electrode material to explore the Redox mechanism in supercapattery device	2023	Journal of Materials Science: Materials in Electronics	34	36		
33.	Basit F., Abbas S., Zhu M., Tanwir K., El-Keblawy A., Sheteiwy M.S., Raza A., Hu J., Hu W., Guan Y.	Ascorbic acid and selenium nanoparticles synergistically interplay in chromium stress mitigation in rice seedlings by regulating oxidative stress	2023	Environmental science and pollution research international	30	57	1200 44	120062

		indicators and antioxidant defense mechanism						
34.	Sohail A., Peng J.-X., Hidki A., Khalid M., Singh S.K.	Distant entanglement via photon hopping in a coupled cavity magnomechanical system	2023	Scientific Reports	13	1		
35.	Zaib P., Ahmad H.M., Attacha S., Rahman M.-U., Shafiq M.R., Parveen K., Fiaz S., Attia K.A., Ishaq S., Arif S., Abushady A.M., Umer M.J.	Comparative genomics of light harvesting chlorophyll (LHC) gene family and impact of chlorophyll-A contents under drought stress in <i>Helianthus annuus</i>	2023	Journal of Plant Physiology	291			
36.	Malik M.K.T., Fakhr-E-Alam M., Aslam S., Qureshi M.T., Yunus G., Al Elaimi M., Saleem M.	Influence of Vanadium substitution on electronic, thermoelectric and optical response of Cu ₂ O	2023	Physica Scripta	98	12		
37.	Alam M., Saleem Z., Haseeb A., Qamar M.U., Sheikh A., Almarzoky	Tackling antimicrobial resistance in primary care facilities across	2023	Journal of Infection and Public Health	16		97	110

	Abuhussain S.S., Iqbal M.S., Raees F., Chigome A., Cook A., Moore C.E., Mustafa Z.-U., Salman M., Saleh U., Shabbir S., Godman B.	Pakistan: Current challenges and implications for the future						
38.	Butt F.S., Safdar M., Lewis A., Mazlan N.A., Radacsi N., Fan X., Arellano-Garc�a H., Huang Y.	Superhydrophobic ZIF-67 with exceptional hydrostability	2023	Materials Today Advances	20			
39.	Yaqoob N., Zahira A., Kamal S., Almas M., Rehman S.	Development of multifunctional bioactive food packaging based on silver nanoparticles/grape fruit peel extract reinforced PVA composites	2023	Materials Today Communications	37			
40.	Iqbal M.S., Peng K., Sardar N., Iqbal M.H., Ghani M.U., Tanvir F., Gu D., Guohua Z., Duan X.	Interleukins-6 $\Delta^{174G/C}$ (rs1800795) and $\Delta^{572C/G}$ (rs1800796) polymorphisms and prostate cancer risk	2023	Molecular Immunology	164		88	97
41.	Ramzan B., Mir Z., Rasheed A., Jamil	Transonic plasma winds with	2023	Physica Scripta	98	12		

	M.	cosmic-rays and waves						
42.	Alhaithloul H.A.S., Ali B., Alghanem S.M.S., Zulfiqar F., Al-Robai S.A., Ercisli S., Yong J.W.H., Moosa A., Irfan E., Ali Q., Irshad M.A., Abeed A.H.A.	Effect of green-synthesized copper oxide nanoparticles on growth, physiology, nutrient uptake, and cadmium accumulation in Triticum aestivum (L.)	2023	Ecotoxicology and Environmental Safety	268			
43.	Tanwir K., Abbas S., Husnaan M., Basit F., Alomrani S.O.	Bio-inoculation with Serratia CP-13 enhances Cd detoxification via modulation of phytohormone, gas exchange attributes and nutrient acquisition in maize cultivars cultivated in Cd-stressed soil	2023	Plant Stress	10			
44.	Aich W., Khan S.A., Waqas H., Yasmin S., Farooq U., Imran M., Muhammad T., Eldin S.M.	Computational assessment of radiative flow of engine oil-based mono nanofluids between parallel infinite double disks	2023	Case Studies in Thermal Engineering	52			

45.	Zhu H., Liao D., Mehmood M.A., Huang Y., Yuan W., Zheng J., Ma Y., Peng Y., Tian G., Xiao X., Lan C., Li L., Xu K., Lu H., Wang N.	Systolic heart failure induced by butylparaben in zebrafish is caused through oxidative stress and immunosuppressi on	2023	Ecotoxicology and Environmental Safety	268			
46.	Maqsood A., Tazeen K., Hussain S., Mahmood F., Shahid M.	An Integrated Approach for Biodegradation of Toxic Azo Dyes and Wastewater Recycling by Azoreductase Geneâ€‘Harborin g Bacillus paramycoides Strain AM-3	2023	Water, Air, and Soil Pollution	234	12		
47.	Arfan M., Khaleel N., Asif M.	Interaction of Twisted Light Wave with Perfect Electromagnetic Conductor (PEMC) Sphere	2023	Iranian Journal of Science	47	45418	1899	1908
48.	Saleem A., Khalid H., Akhtar M.F., Zeb A.	Appraisal of anti- arthritic potential of Coronopus didymus (L.) Sm. aqueous extract and its safety study in Wistar	2023	Inflammopharmacology	31	6	3167	3182

		rats						
49.	Qaiser Z., Aqeel M., Sarfraz W., Fatima Rizvi Z., Noman A., Naeem S., Khalid N.	Microplastics in wastewaters and their potential effects on aquatic and terrestrial biota	2023	Case Studies in Chemical and Environmental Engineering	8			
50.	Yousaf A., Imran M., Yasmin S., Ali M.R.	Numerical assessment of bioconvection in MHD Prandtl nanofluid with gyrotactic motile microorganisms with bio-fuel applications	2023	Case Studies in Thermal Engineering	52			
51.	Imran M., Ali L., Ali L., Wakeel M., Siddique M.H., Khan Z.U.H., Murtaza B., Iqbal J., Al-Kahtani A.A., Shahid M.	Remediation potential of biochar/copper oxide nanoparticles composite for lead- and cadmium-contaminated wastewater	2023	Environmental Earth Sciences	82	23		
52.	Saleem U., Chauhdary Z., Bakhtawar Z., Alqahtani J., Farrukh M., Alsharif I., Baokbah T.A.S., Shah M.A., Blundell R.,	Curcuminoids-enriched extract and its cyclodextrin inclusion complexes ameliorates arthritis in	2023	Inflammopharmacology	31	6	3047	3062

	Panichayupakarant P.	complete Freund's adjuvant-induced arthritic mice via modulation of inflammatory biomarkers and suppression of oxidative stress markers						
53.	Rani S., Imran M., Haider A., Shahzadi A., Ul-Hamid A., Somaily H.H., Moeen S., Khan M., Nabgan W., Ikram M.	Dye Degradation, Antimicrobial Activity, and Molecular Docking Analysis of Samarium-Grafted Carbon Nitride Doped-Bismuth Oxobromide Quantum Dots	2023	Global Challenges	7	12		
54.	Saif S., Anwar S.	Unraveling the South Asian enigma: concurrent manifestations of child anthropometric failures and their determinants in selected South Asian countries	2023	BMC Nutrition	9	1		
55.	Rasheed A., Nazir A., Fatima A.,	Kelvin-Helmholtz instability in	2023	Zeitschrift fur Naturforschung - Section A Journal of Physical Sciences	78	12	1123	1130

	Ramzan B., Kiran Z., Jamil M.	magnetically quantized dense plasmas						
56.	Yaqoob M.Z., Ahamd M., Ghaffar A., Razzaz F., Saeed S.M., Alanazi T.M.	Thermally tunable electromagnetic surface waves supported by graphene loaded indium antimonide (InSb) interface	2023	Scientific Reports	13	1		
57.	Riaz A., Lecko A., Raza M.	Starlikeness Associated with Cosine Hyperbolic Function	2023	Iranian Journal of Science	47	45418	1723	1738
58.	Chu Y.-M., Alzahrani T., Rashid S., Rashidah W., ur Rehman S., Alkhatib M.	An advanced approach for the electrical responses of discrete fractional-order biophysical neural network models and their dynamical responses	2023	Scientific Reports	13	1		
59.	Masud F., Abdul-Salaam G., Anwar M., Abdelmaboud A., Malik M.S.A., Ab Ghani H.B.	Contention-based traffic priority MAC protocols in wireless body area networks: A thematic review	2023	Egyptian Informatics Journal	24	4		

60.	Usman Khan M., Nadeem S., Fatima A., Yaqoob J., Khalid M., Abbas F., Alhokbany N., Ramzan Saeed Ashraf Janjua M.	DFT molecular simulations for static, dynamic and solvent- dependent nonlinear optical properties of triphenylamine- carbazole-based organic dyes with D-D-A framework	2023	Journal of Molecular Liquids	391			
61.	Koraqi H., Trajkovska Petkoska A., Khalid W., Kumar N., Pareek S.	Optimization of experimental conditions for bioactive compounds recovery from raspberry fruits (Rubus idaeus L.) by using combinations of ultrasound- assisted extraction and deep eutectic solvents	2023	Applied Food Research	3	2		
62.	Ashfaq M.H., Imran M., Haider A., Shahzadi A., Mustajab M., Ul- Hamid A., Nabgan W., Medina F., Ikram M.	Antimicrobial potential and rhodamine B dye degradation using graphitic carbon nitride and polyvinylpyrrolid	2023	Scientific Reports	13	1		

		one doped bismuth tungstate supported with in silico molecular docking studies						
63.	Ali A., Alghanem S.M.S., Al-Haithloul H.A.S., Muzammil S., Adrees M., Irfan E., Waseem M., Anayat A., Saqalein M., Rizwan M., Ali S., Abeed A.H.A.	Co-application of copper nanoparticles and metal tolerant Bacillus sp. for improving growth of spinach plants in chromium contaminated soil	2023	Chemosphere	345			
64.	Li W., Zhou H., Yao S., Wang N., Zhu H., Mehmood M.A., Wu T.	Comprehensive characterization of theabrownin polymer structure in Tibetan tea	2023	Food Bioscience	56			
65.	Lai M., Ghouri F., Sarwar S., Alomrani S.O., Riaz M., Haider F.U., Liu J., Imran M., Ali S., Liu X., Shahid M.Q.	Modulation of metal transporters, oxidative stress and cell abnormalities by synergistic application of silicon and titanium oxide nanoparticles: A strategy for cadmium	2023	Chemosphere	345			

		tolerance in rice						
66.	Ma J., Hua Z., Noreen S., Malik Z., Riaz M., Kamran M., Ali S., Elshikh M.S., Chen F.	Chemical and mechanical coating of sulfur on baby corn biochar and their role in soil Pb availability, uptake, and growth of tomato under Pb contamination	2023	Environmental Pollution	338			
67.	Zahra A.T., Shahzad A., Loya A., Kashif M., He M.	Tuning structural and thermal conductivity of carbon nanotubes under strain effects	2023	Chinese Journal of Physics	86		24	38
68.	Ullah N., Khan M.T., Naz S., Alhidary I.A., Khan R.U., Losacco C., Pugliese G., Tufarelli V.	Blood metabolic pattern and somatic cells dynamic in Achai and Holstein Friesian cows during transition period	2023	Reproduction in Domestic Animals	58	12	1712	1717
69.	Razzaque A., Masmali I., Latif L., Shuaib U., Razaq A., Alhamzi G., Noor S.	On t-intuitionistic fuzzy graphs: a comprehensive analysis and application in poverty reduction	2023	Scientific Reports	13	1		
70.	SanaUllah I., Riaz	Cell Lysis, labeling	2023	Arabian Journal of Chemistry	16	12		

	S., Ullah Khan I., Ali D., Shamaila S., Akram Raza M., Sajjad A., Sabri A.N., Naseem S.	efficacy and biodistribution of intravenously administered Technetium-99 m labeled multifunctional zirconia nanoparticles in animal model						
71.	Zahid I., Farooq M., Anwer I., Farhan M., Javaid M.Y., Lashari M.R., Sultan M., Rehman A.U., Abbas Naqvi M., Ali Q., Andresen J.M.	Experimental investigation for thermal performance of various heat sinks by alumina RT-70HC (NsPCM): Sustainable approach for thermal energy storage applications	2023	International Communications in Heat and Mass Transfer	149			
72.	Raza A., Yousaf M., Rasheed A., Farid A., Khan I.A.	Synthesis of binder-free nanostructured MoS2 films for optoelectronic applications	2023	Physica B: Condensed Matter	670			
73.	Walayat K., ul Amin Mohsin N., Aslam S., Rasool N., Ahmad M., Rafiq A., Al-Hussain S.A., Zaki M.E.A.	Recent advances in the piperazine based antiviral agents: A remarkable heterocycle for	2023	Arabian Journal of Chemistry	16	12		

		antiviral research						
74.	Ahmad M.N., Farid M.F., Nawaz F., Anjum M.N., Qayyum M.A., Hussain T., Mujahid A., Shehzad K.	Synthesis and Characterization of Hybrid Nanocomposites Based on Poly(2-chloroaniline)/Zinc Oxide Nanofiller for Antibacterial Studies Against Escherichia coli and Bacillus subtilis	2023	JOM	75	12	5331	5340
75.	Ashfaq M., Tahir M.N., Bogdanov G., Ali A., Ahmed M., Ahmed G., Abbas A.	Crystal structure, supramolecular assembly exploration by Hirshfeld surface analysis and DFT inspection of the synthesized functionalized crystalline anilide	2023	Journal of the Iranian Chemical Society	20	12	3147	3159
76.	Hanif M., Farhan M., Sharif A.	Design and analysis of flexible embroidered UHF-RFID tag on facemask for IoT applications using characteristics mode analysis	2023	AEU - International Journal of Electronics and Communications	172			
77.	Wakil W., Kavallieratos N.G.,	Unleashing the power of	2023	Journal of Asia-Pacific Entomology	26	4		

	Eleftheriadou N., Riasat T., Rasool K.G., Husain M., Aldawood A.S.	diatomaceous earths for sustainable management of Tribolium castaneum infestation in wheat						
78.	Suleman S., Azhar F., Jabeen R., Ahmad S.N., Ahmad K.R., Inayat I., Khanum Z., Faisal A., Yasmeen S., Kanwal M.A.	In ovo exposure of F-ions and organo-fluoride insecticide (Bifenthrin) cause developmental anomalies of eye in chick embryos	2023	Toxicology Reports	11		283	287
79.	Ilyas S., Maheen S., Andleeb M., Khan H.U., Shah S., Abbas G., Shabbir S., Sher M., Masood S.A., Shafqat S.S.	Development, optimization and in vitro-in vivo evaluation of solid lipid microparticles for improved pharmacokinetic profile of bisoprolol	2023	Materials Today Communications	37			
80.	Wang M., Zhuge X., Liu T., Jia S., Luo K., Ren Y., Shahzad A., Liu X.	Preparation of Composite Single-Ion Conductor Membrane and Its Application in Lithiumâ€“Oxyge n Battery	2023	Advanced Energy and Sustainability Research	4	12		

81.	Ullah S., Shabir M., Rasheed M.A., Ahmad I., Ahmed E., Ahmad M., Khalid N.R., Khan W.Q.	Silver and yttrium co-doped ZnO nanoparticles as a potential water splitting photocatalyst for the H ₂ evolution reaction	2023	Journal of Sol-Gel Science and Technology	108	3	756	767
82.	Iqbal Y., Ahmed I., Irfan M.F., Chatha S.A.S., Zubair M., Ullah A.	Recent advances in chitosan-based materials; The synthesis, modifications and biomedical applications	2023	Carbohydrate Polymers	321			
83.	Rafique M.U., Nahid N., Azeem F., Fiaz S., Attia K.A., Zameer R., Waqas M., Qamar M.T.U., Abushady A.M.	Genome wide analysis for the identification and characterization of Superoxide-dismutase gene family in Rosa chinensis ascertains the role of salinity-responsive RcMSD1 protein and its interaction with peroxy radical	2023	Plant Stress	10			
84.	Rashid S., Karim S., Akg�l A., Bariq A., Elagan S.K.	Novel insights for a nonlinear deterministic-stochastic class of	2023	Scientific Reports	13	1		

		fractional-order Lassa fever model with varying kernels						
85.	Hayat M., Abdullah M., Jabbour K., Bibi N., Khan S., Ali B., Karami A.M., Ehsan M.F., Ashiq M.N.	Facile synthesis of 2-D rGO based SmSe nanohybrid via hydrothermal route for solid- state supercapacitor	2023	Materials Chemistry and Physics	310			
86.	Fatima M., Siddique A.R., Ahmad M., Mahmood M.A.	Exploring linguistic variation in Pakistani English newspaper editorials through multidimensional analysis	2023	Newspaper Research Journal	44	4	425	451
87.	Chu Y.-M., Rashid S., Karim S., Khalid A., Elagan S.K.	Deterministic- stochastic analysis of fractional differential equations malnutrition model with random perturbations and crossover effects	2023	Scientific Reports	13	1		
88.	Atif M., Perveen S., Parveen A., Zafar S., Batool F., Saeed	Intervening Role of Tyrosine in Cadmium	2023	Journal of Soil Science and Plant Nutrition	23	4	5975	5992

	F.	Detoxification, Balancing of Mineral Ions Homeostasis, Antioxidants, and Secondary Metabolites in Maize						
89.	Mushtaq A., Fatima R., Shehzad F.K., Ammar M., Shaaban I.A., Assiri M.A., Sajid M., Asif H.M., Hussain S.	Synthesis of POM@Porphyrin COF heterogeneous catalyst for oxidative desulfurization of thio compounds	2023	Inorganica Chimica Acta	558			
90.	Aussel R., Asif M., Chenag S., Jaeger S., Milpied P., Spinelli L.	SHIVA: a user-friendly and interactive interface giving biologists control over their single-cell RNA-seq data	2023	Scientific Reports	13	1		
91.	Rahman S., Rehman A., Waqas M., Mubarik M.S., Alwutayd K., AbdElgawad H., Jalal A., Azeem F., Rizwan M.	Genome-wide exploration of bZIP transcription factors and their contribution to alkali stress response in Helianthus annuus	2023	Plant Stress	10			
92.	Sharif H., Ali B., Siddique I., Saman	Numerical investigation of	2023	Scientific Reports	13	1		

	I., Jaradat M.M.M., Sallah M.	dusty tri-hybrid Ellis rotating nanofluid flow and thermal transportation over a stretchable Riga plate						
93.	Sharif A., kumar R., Arshad K., Assaleh K., Chattha H.T., Imran M.A., Abbasi Q.H.	Nature-inspired spider web shaped UHF RFID reader antenna for IoT and healthcare applications	2023	Scientific Reports	13	1		
94.	Shafique A., Batool R., Rizwan M., Zameer R., Arshad H., Xu H., Alwutayd K., AbdElgawad H., Azeem F.	Integrative omics analysis of Rosa chinensis reveals insights into its transcriptome and in silico characterization of potassium transport genes	2023	Plant Stress	10			
95.	Afzaal Z., Hussain I., Mahmood-ur-Rahman, Ashraf M.A., Riaz S.	Ascorbic Acid and Vanillic Acid Application Alleviate the Lead Toxicity in Lycopersicon esculentum by Modulating Key Biochemical Attributes and	2023	Russian Journal of Plant Physiology	70	6		

		Antioxidant Defense Systems						
96.	Fatima G., Bibi I., Majid F., Kamal S., Nouren S., Ghafoor A., Raza Q., Al-Mijalli S.H., Alnafisi N.M., Iqbal M.	Mn-doped BaFe12O19 nanoparticles synthesis via micro-emulsion route: Solar light-driven photo-catalytic degradation of CV, MG and RhB dyes and antibacterial activity	2023	Materials Research Bulletin	168			
97.	Saleem A., Zulfiqar A., Saleem M.Z., Ali B., Saleem M.H., Ali S., Tufekci E.D., Tufekci A.R., Rahimi M., Mostafa R.M.	Alkaline and acidic soil constraints on iron accumulation by Rice cultivars in relation to several physio-biochemical parameters	2023	BMC Plant Biology	23	1		
98.	Huynh H.V., Proeschold-Bell R.J., Sohail M.M., Nalianya M., Wafula S., Amanya C., Vann V., Loem P., Baghdady A.M., Al-Khalaf M.S., Namestnik A.,	What processes or key components do teachers attribute to their well-being? A cross-cultural qualitative study of teacher well-	2023	Psychology in the Schools	60	12	4967	4987

	Whetten K.	being in Cambodia, Kenya, and Qatar						
99.	Haseeb M., Iqbal S., Hafeez M.B., Baloch H., Zahra N., Mumtaz M., Ahmad G., Fatima E.M., Jahanzaib, Raza S., Raza A., Saddiq M.S.	Characterizing of heavy metal accumulation, translocation and yield response traits of Chenopodium quinoa	2023	Journal of Agriculture and Food Research	14			
100.	Hussein M., Abbas S., Ali Q., Akram M.S., Tanwir K., Raza A., Hashmat S., Aqeel M., Chaudhary H.J., Javed M.T.	Elucidating the Mechanistic Role of Zinc-Lysine to Enhance Cd Tolerance in Diverse Wheat (Triticum aestivum L.) Cultivars Through Distinct Morpho- Physio- Biochemical Improvements Under Cd Stress	2023	Journal of Soil Science and Plant Nutrition	23	4	5419	5437
101.	Iftikhar R., Irshad R., Zahid W.A., Akram W., Shehzad R.A., Abdelmohsen S.A.M., Alanazi M.M., Shahzad N., Iqbal J.	Designing of fluorine- substituted benzodithiophen e-based small molecules with efficient photovoltaic parameters	2023	Journal of Molecular Graphics and Modelling	125			

102.	Sajid M.M., Zhai H., Iqbal M.A., Javed Y., Shad N.A., Amin N., Zhang Z., Morsy K.	Synthesis of Pt/FeVO4: A novel heterostructure for efficient photocatalysis	2023	Materials Research Bulletin	168			
103.	Abbas Q., Nisa M., Khan M.U., Anwar N., Aljhani S., Ramzan Z., Shahzadi M.	Brief cognitive behavior therapy for stigmatization, depression, quality of life, social support and adherence to treatment among patients with HIV/AIDS: a randomized control trial	2023	BMC Psychiatry	23	1		
104.	Bashir R., Iqbal S., Awais M., Afzal B., Shakoor M.B., Iqbal M.	Thiamine (vitamin B1) helps to regulate wheat growth and yield under water limited conditions by adjusting tissue mineral content, cytosolutes and antioxidative enzymes	2023	Plant Growth Regulation	101	3	629	642
105.	Alqurashi M.S., Farooq U., Sediqmal M.,	Significance of melting heat in bioconvection	2023	Scientific Reports	13	1		

	Waqas H., Noreen S., Imran M., Muhammad T.	flow of micropolar nanofluid over an oscillating surface						
106.	Ali A., Kouvari M., Riaz S., Naumovski N., Liao L., Khan A., Khalid W., Zeng X.-A., Manzoor M.F.	Potential of Allium sativum in blood pressure control involves signaling pathways: A narrative review	2023	Food Frontiers	4	4	1666	1680
107.	Noureen S., Noreen S., Ghumman S.A., Al-Hussain S.A., Hameed H., Anwar-Ul-Haq M., Irfan A., Batool F., Hassan M.U., Aslam S., Zaki M.E.A.	Maximizing the extraction yield of plant gum exudate using response surface methodology and artificial neural networking and pharmacological characterization	2023	Scientific Reports	13	1		
108.	Hosseinnezhad M., Gharanjig K., Adeel S., Mahmoudi Nahavandi A.	Clean dyeing of wool yarns using oleaster fruit components as new bio-mordant: a step toward reducing agricultural waste	2023	Clean Technologies and Environmental Policy	25	10	3149	3160
109.	Wang N., Lan C., Mehmood M.A., He M., Xiao X., Li L., Liao D., Xu K., Mo S., Zhang P., Zhou	Effects of Pu-erh and Dian Hong tea polyphenols on the gut-liver axis in mice	2023	AMB Express	13	1		

	X., Gu B., Zhu H., Wu T.							
110.	Tahir A., Akhtar M.F., Saleem A., Naveed M., Ajiboye B.O., Anwar F., Khan A.	Curative potential of Populus ciliata Wall ex. Royle extract against adjuvant-induced arthritis and peripheral neuropathy in Wistar rats	2023	Inflammopharmacology	31	6	3081	3100
111.	Sultan K., Perveen S., Parveen A., Atif M., Zafar S.	Benzyl Amino Purine (BAP), Moringa Leaf Extract and Ascorbic Acid Induced Drought Stress Tolerance in Pea (Pisum sativum L.)	2023	Gesunde Pflanzen	75	6	2423	2436
112.	Mahmood A., Faisal M.N., Khan J.A., Muzaffar H., Muhammad F., Hussain J., Aslam J., Anwar H.	Association of a high-fat diet with I-FABP as a biomarker of intestinal barrier dysfunction driven by metabolic changes in Wistar rats	2023	Lipids in Health and Disease	22	1		
113.	Mazhar S.I., Ali A., Tilly T.B., Khan M.H., Wu C.-Y.	Efficient adsorption of aromatic and	2023	Discover Nano	18	1		

		aliphatic hydrocarbons by electrospun hydrophobic PTFE-NiO composite nanofiber filter mats						
114.	Pan Y.-H., Chen L., Zhu X.-Y., Li J.-C., Rashid M.A.R., Chen C., Qing D.-J., Zhou W.-Y., Yang X.-H., Gao L.-J., Zhao Y., Deng G.-F.	Utilization of natural alleles for heat adaptability QTLs at the flowering stage in rice	2023	BMC Plant Biology	23	1		
115.	Noreen S., Farooq U., Waqas H., Fatima N., Alqurashi M.S., Imran M., AkgÃ¼l A., Bariq A.	Comparative study of ternary hybrid nanofluids with role of thermal radiation and Cattaneo-Christov heat flux between double rotating disks	2023	Scientific Reports	13	1		
116.	Altharawi A., Alossaimi M.A., Alanazi M.M., Alqahatani S.M., Tahir ul Qamar M.	An integrated computational approach towards novel drugs discovery against polyketide synthase 13 thioesterase domain of	2023	Scientific Reports	13	1		

		Mycobacterium tuberculosis						
117.	Asif M., Martiniano H.F.M.C., Lamurias A., Kausar S., Couto F.M.	DGH-GO: dissecting the genetic heterogeneity of complex diseases using gene ontology	2023	BMC Bioinformatics	24	1		
118.	Shafqat U., Hussain S., Shahzad T., Shahid M., Mahmood F.	Elucidating the phytotoxicity thresholds of various biosynthesized nanoparticles on physical and biochemical attributes of cotton	2023	Chemical and Biological Technologies in Agriculture	10	1		
119.	Abdul Basit M., Imran M., Khan S.A., Alhushaybari A., Sadat R., Ali M.R.	Partial differential equations modeling of bio-convective sutterby nanofluid flow through paraboloid surface	2023	Scientific Reports	13	1		
120.	Zahoor A., Qaiser I., Yasmin N., Asif A.	What determines the justifiability for accepting bribes and cheating on	2023	Journal of Financial Crime	30	6	1706	1719

		taxes?						
121.	Raza Q., Rashid M.A.R., Waqas M., Ali Z., Rana I.A., Khan S.H., Khan I.A., Atif R.M.	Genomic diversity of aquaporins across genus Oryza provides a rich genetic resource for development of climate resilient rice cultivars	2023	BMC Plant Biology	23	1		
122.	Farooq U., Waqas H., Fatima N., Imran M., Noreen S., Bariq A., AkgÃ¼l A., Galal A.M.	Computational framework of cobalt ferrite and silver-based hybrid nanofluid over a rotating disk and cone: a comparative study	2023	Scientific Reports	13	1		
123.	Farooq U., Hassan A., Fatima N., Imran M., Alqurashi M.S., Noreen S., AkgÃ¼l A., Bariq A.	A computational fluid dynamics analysis on Fe3O4â€”H2O based nanofluid axisymmetric flow over a rotating disk with heat transfer enhancement	2023	Scientific Reports	13	1		
124.	Wang N., Mo S., Wu T., Mehmood M.A., Sun H., Tang Y., Mei J., Mei Y.,	Metabolomic Analysis of Fermented Tibetan Tea Using	2023	Probiotics and Antimicrobial Proteins	15	6	1653	1664

	Fang W., Xiao X., Zhu H.	Bacillus circulans and Their Biological Activity on Mice via the Intestineâ€™Hepa tic Axis						
125.	Ejaz H., Sultan M., Qamar M.U., Junaid K., Rasool N., Alanazi A., Alruways M.W., Mazhari B.B.Z., Alruwaili Y., Bukhari S.N.A., Younas S.	Antibacterial efficacy of indigenous Pakistani honey against extensively drug- resistant clinical isolates of Salmonella enterica serovar Typhi: an alternative option to combat antimicrobial resistance	2023	BMC Complementary Medicine and Therapies	23	1		
126.	Abbas Q., Latif S., Ayaz Habib H., Shahzad S., Sarwar U., Shahzadi M., Ramzan Z., Washdev W.	Cognitive behavior therapy for diabetes distress, depression, health anxiety, quality of life and treatment adherence among patients with type-II diabetes mellitus: a randomized	2023	BMC Psychiatry	23	1		

		control trial						
127.	Zhan W., Guo G., Cui L., Rashid M.A.R., Jiang L., Sun G., Yang J., Zhang Y.	Combined transcriptome and metabolome analysis reveals the effects of light quality on maize hybrids	2023	BMC Plant Biology	23	1		
128.	Rashid S., Ashraf R., Tahir M.	On novel analytical solution of time-fractional Schrödinger equation within a hybrid transform	2023	Mathematical Sciences	17	4	351	369
129.	Latif Z., Rehman A.U., Amin N., Arshad M.I., Marzouki R.	Graphene nanoplatelets (GNPs): a source to bring change in the properties of Co-Ni-Gd-ferrite/GNP nanocomposites	2023	RSC Advances	13	49	34308	34321
130.	Abbasi R.P., Rafiq K., Fatima S., Javed M.T., Azeem M., Akram M.S.	In vitro silicon supplementation enhanced acclimatisation and growth of sugarcane (Saccharum officinarum) via improved antioxidant and nutrient	2023	Functional Plant Biology	51	1		

		acquisition patterns in saline soil						
131.	Ashfaq K., Rehman S.U., Haq M.U., Usman M.	Factors influencing stakeholderâ€™s judgment on internal audit functionâ€™s effectiveness and reliance	2023	Journal of Financial Reporting and Accounting	21	5	958	973
132.	Umar M., Sial M.H., Ali S.A., Bari M.W., Ahmad M.	Trust and social network to boost tacit knowledge sharing with mediation of commitment: does culture moderate?	2023	VINE Journal of Information and Knowledge Management Systems	53	6	1135	1158
133.	Nasir S., Ali A., Mahmood K., Amin N., Basha B., Al-Buriah M.S., Alrowaili Z.A., Ali Y., Fatima Q., Anwar H., Shehzad U., Javaid K.	Temperature dependent aluminum induced crystallization of amorphous germanium thin films	2023	Chemical Physics Letters	831			
134.	Yu Z., Ahmad M.S., Shen B., Li Y., Ibrahim M., Bokhari A., KlemeÅš J.J.	Activated waste cotton cellulose as renewable fuel and value-added chemicals: Thermokinetic analysis, coupled	2023	Energy	283			

		pyrolysis with gas chromatography and mass spectrometry						
135.	Kiran L., Aydinol M.K., Shah S.S., Anwar A., Abbas S.M., Bahtiyar D., Siddiq M., Rehman A., Ouladsmame M., Shahzad M.I.	Mesoporous Cr2O3/MWCNTs/PANI nanocomposite as a high performance anode material for rechargeable lithium ion batteries	2023	Fuel	352			
136.	Bu N., Jamil A., Hussain L., Alshammari A., Albekairi T.H., Alharbi M., Jamshed A., Bazmi R.R., Younas A.	Phytochemical-Based Study of Ethanolic Extract of Saraca asoca in Letrozole-Induced Polycystic Ovarian Syndrome in Female Adult Rats	2023	ACS Omega	8	45	42586	42597
137.	Bashir H., Ahmad B., Bari M.W., Khan Q.U.A.	The impact of organizational practices on formation and development of psychological contract: expatriates' perception-based	2023	International Journal of Emerging Markets	18	9	2198	2217

		view						
138.	Mushtaq A., Zahoor A.F.	Mukaiyama aldol reaction: an effective asymmetric approach to access chiral natural products and their derivatives/analo gues	2023	RSC Advances	13	47	3297 5	33027
139.	Tariq H., Abrar M., Ahmad B.	Humility breeds creativity: the moderated mediation model of leader humility and subordinatesâ€™ creative service performance in hospitality	2023	International Journal of Contemporary Hospitality Management	35	12	4117	4136
140.	Rehman S., Hussain A., Ullah M., Ali E., Mojzych M., Naqvi S.A.R., Ali A., Ali M., Gomaa E., Ghoneim S.S.M., Mirza B., Ring K.K., Hussain H., Rauf A., Rehman N.U., Attique F.	Agrobacterium- Mediated Genetic Transformation of Withania coagulans (Dunal) with rol A Genes and Its Antioxidant Potential	2023	ACS Omega	8	44	4191 8	41929
141.	Fatima M., Hasan M.S.U., Akhtar M., Morley N., Amin	Comprehensive Improvement of Various Features	2023	ACS Omega	8	44	4116 9	41181

	N., Rehman A.U., Arshad M.I., Amami M., Yaqub B., Ezzine S.	of Cu-Cd Ferrites (Cu _{0.5} Cd _{0.5} Fe ₂ - xCe _x O ₄) by Cerium (Ce ³⁺) Ion Substitution						
142.	Zhang X., Saif M.J., Idrees N., Kanwal S., Parveen S., Saeed F.	QSPR Analysis of Drugs for Treatment of Schizophrenia Using Topological Indices	2023	ACS Omega	8	44	4141 7	41426
143.	Hussain N., Ikram N., Khan K.U.R., Hussain L., Alqahtani A.M., Alqahtani T., Hussain M., Suliman M., Alshahrani M.Y., Sitohy B.	Cichorium intybus L. significantly alleviates cigarette smoke- induced acute lung injury by lowering NF- κ B pathway activation and inflammatory mediators	2023	Heliyon	9	11		
144.	Ramzan M.B., Habib M.S., Omair M., Naeem J., Mustafa H., Iqbal M.W., Malik A.I.	Role of Design for Disassembly in Educating Consumers for Circular Behavior	2023	Sustainability (Switzerland)	15	21		
145.	Tahir M.M., Rasul A., Riaz A., Batool R., Nageen B., Adnan M., Sarfraz I., Sadiqa A., Selamoglu Z.	Ficus benghalensis: A plant with potential pharmacological properties, from	2023	Tropical Journal of Pharmaceutical Research	22	11	2407	2413

		tradition to pharmacy						
146.	Ayub S., Hanif S., Ul Huq U.I., Irfan M., Ali I., Madkhali O.A., Farzana K., Ali Syed M., Shahid N., Aftab T., Asmatullah M.	Pre and post characterization of ODTs with emphasis on compression force and quality of super-disintegrants: In vivo analysis in healthy volunteers	2023	Pakistan journal of pharmaceutical sciences	36	6	1767	1775
147.	Hameed S., Atif M., Perveen S.	Role of gibberellins, neem leaf extract, and serine in improving wheat growth and grain yield under drought-triggered oxidative stress	2023	Physiology and Molecular Biology of Plants	29	11	1675	1691
148.	Sohail A., Qasymeh M., Eleuch H.	Entanglement and quantum steering in a hybrid quadpartite system	2023	Physical Review Applied	20	5		
149.	Batool A., Yaqoob A., Anwar Z., Joshi L.T., Batool R., Lone D., Saleem Z., Ahmed Q., Bin	Outbreak investigation of NDM-producing Burkholderia cepacia causing	2023	Future Microbiology	18	16	1159	1169

	Jardan Y.A., Bourhia M., Qamar M.U.	neonatal sepsis in Pakistan						
150.	Qamar M.U., Rizwan M., Uppal R., Khan A.A., Saeed U., Ahmad K., Iqbal M.J., Ali Z., Suleman M.	Antimicrobial susceptibility and clinical characteristics of multidrug- resistant polymicrobial infections in Pakistan, a retrospective study 2019â€“2021	2023	Future Microbiology	18	17	1265	1277
151.	Hafeez A., Ahmad I., Naz S., Alonaizan R., Al-akeel R.K., Khan R.U., Tufarelli V.	Effect of Lemon (Citrus limon, L.) Peel Powder on Oocyst Shedding, Intestinal Health, and Performance of Broilers Exposed to E. tenella Challenge	2023	Animals	13	22		
152.	Rehman N.U., Hussain A., Ali S.M., Ahmad J., Buzdar S.A., Mahmood K., Shah Z.A., Ali S.D., Shar M.A.	Support of Cd doping in SnO2 nanoparticles to enhance its thermoelectric parameters	2023	Journal of Ovonic Research	19	6	653	662
153.	Zahoor A.F., Saeed S., Rasul A., Noreen R., Irfan A., Ahmad	Synthesis, Cytotoxic, and Computational	2023	Biomedicines	11	11		

	S., Faisal S., Al-Hussain S.A., Saeed M.A., Muhammed M.T., Muhammad Z.A., Zaki M.E.A.	Screening of Some Novel Indole“1,2,4-Triazole-Based S-Alkylated N-Aryl Acetamides						
154.	Vilela J., Martiniano H., Marques A.R., Santos J.X., Asif M., Rasga C., Oliveira G., Vicente A.M.	Identification of Neurotransmission and Synaptic Biological Processes Disrupted in Autism Spectrum Disorder Using Interaction Networks and Community Detection Analysis	2023	Biomedicines	11	11		
155.	Irfan A., Faisal S., Ahmad S., Saif M.J., Zahoor A.F., Khan S.G., Javid J., Al-Hussain S.A., Muhammed M.T., Zaki M.E.A.	An Exploration of the Inhibitory Mechanism of Rationally Screened Benzofuran-1,3,4-Oxadiazoles and-1,2,4-Triazoles as Inhibitors of NS5B RdRp Hepatitis C Virus through Pharmacoinformatic Approaches	2023	Biomedicines	11	11		

156.	Ramzan S., Awan M.U., Dragomir S.S., Bin-Mohsin B., Noor M.A.	Analysis and Applications of Some New Fractional Integral Inequalities	2023	Fractal and Fractional	7	11		
157.	Hassan S.U., Khalid I., Hussain L., Imam M.T., Shahid I.	Topical Delivery of Terbinafine HCL Using Nanogels: A New Approach to Superficial Fungal Infection Treatment	2023	Gels	9	11		
158.	Mehmood Y., Shahid H., ul Huq U.I., Rafeeq H., Khalid H.M.B., Uddin M.N., Kazi M.	Microsponge-Based Gel Loaded with Immunosuppressant as a Simple and Valuable Strategy for Psoriasis Therapy: Determination of Pro-Inflammatory Response through Cytokine IL-2 mRNA Expression	2023	Gels	9	11		
159.	Alghazzawi D., Liaqat M., Razaq A., Alolaiyan H., Shuaib U., Liu J.-B.	Selection of Optimal Approach for Cardiovascular Disease Diagnosis	2023	Mathematics	11	22		

		under Complex Intuitionistic Fuzzy Dynamic Environment						
160.	Ramzan S., Awan M.U., Vivas-Cortez M., Budak H.	On Fractional Ostrowski-Mercer-Type Inequalities and Applications	2023	Symmetry	15	11		
161.	Wakil W., Kavallieratos N.G., Eleftheriadou N., Asrar M., Yaseen T., Tahir M., Rasool K.G., Husain M., Aldawood A.S.	Evaluating the Compatibility of Spinosad and Alpha-Cypermethrin for Controlling Six Insect Pests Infesting Stored Wheat	2023	Insects	14	11		
162.	Shahzad M.F., Xu S., Naveed W., Nusrat S., Zahid I.	Investigating the impact of artificial intelligence on human resource functions in the health sector of China: A mediated moderation model	2023	Heliyon	9	11		
163.	Ashfaq R., Rasul A., Asghar S., Kováčcs A., Berková S., Budai-Szűcs M.	Lipid Nanoparticles: An Effective Tool to Improve the Bioavailability of	2023	International Journal of Molecular Sciences	24	21		

		Nutraceuticals						
164.	Akram N., Afzaal M., Saeed F., Ahmad A., Imran A., Ahmed A., Shah Y.A., Islam F., Alomar S.Y., Manoharadas S., Nawaz A.	Fabrication and Characterization of PVA-WPI Based Nanofiber Mats for Improved Viability of Lactobacillus rhamnosus GG	2023	Foods	12	21		
165.	Rehman A., Bukhari S.A., Akhter N., Hussain M.A.I., Chauhdary Z.	In Silico identification of novel phytochemicals that target SFRP4: An early biomarker of diabetes	2023	PLoS ONE	18	45607		
166.	Mushtaq T., Ashraf S., Hameed H., Irfan A., Shahid M., Kanwal R., Aslam M.A., Shahid H., Koh-E-Noor, Shazly G.A., Khan M.A., Jardan Y.A.B.	Prevalence of Eating Disorders and Their Association with Social Media Addiction among Youths	2023	Nutrients	15	21		
167.	Nasir J.A., Chand N., Naz S., Alhidary I.A., Khan R.U., Batool S., Zelai N.T., Pugliese G., Tufarelli V., Losacco C.	Dietary Oyster Mushroom (Pleurotus ostreatus) Waste Inhibits Experimentally Induced Eimeria tenella Challenge	2023	Animals	13	21		

		in Japanese Quails Model						
168.	Mungmunpuntipan tip R., Wiwanitkit V.	Monkeypox and oropharyngeal and laryngeal manifestation: correspondence	2023	Acta Otorrinolaringologica Espanola	74	6	406	
169.	Nawaz H., Ibrahim M., Mahmood A., Kotchey G.P., Sanchez D.V.P.	An efficient synthesis and characterization of La@MOF-808: A promising strategy for effective arsenic ion removal from water	2023	Heliyon	9	11		
170.	Asrar M., Bakht I., Rasool B., Hussain S., Hussain D., Javed Z.	Efficacy and toxicity of different plant extracts over the period of time in Bracon hebetor (Say) (Hymenoptera: Braconidae)	2023	Heliyon	9	11		
171.	Mehmood Y., Shahid H., Abbas M., Farooq U., Ali S., Kazi M.	Microsponge-derived mini tablets loaded with immunosuppressive agents: Pharmacokinetic investigation in human	2023	Saudi Pharmaceutical Journal	31	11		

		volunteers, cell viability and IVIVC correlation						
172.	Zahira A., Sultana S., Rasul A., Sultana T., Hassan M.	Hepatoprotective effects of almond shells against carbon tetrachloride induced liver injury in albino rats	2023	Saudi Journal of Biological Sciences	30	11		
173.	Wang F., Zhuo X., Arslan M., Ercisli S., Chen J., Liu Z., Lan S., Peng D.	In Vitro Induction of Polyploidy by Colchicine in the Protocorm of the Orchid Dendrobium wardianum Warner	2023	HortScience	58	11	1368	1375
174.	Zhang P., Yan C., Usman A.	Green growth strategies in Asia: unleashing the heterogeneous asymmetry of ICT capital, financial fragility, environmental policy stringency, and education	2023	Environmental Science and Pollution Research	30	53	113636	113648
175.	Amin N., Adeel S., Fazal-ur-Rehman, Anjum M.N.	Environmental friendly utilization of plant wastes in combination as a	2023	Environmental Science and Pollution Research	30	52	112825	112835

		source of natural colorants for binary mordanted silk dyeing						
176.	Khan M., Chand N., Khan S., Naz S., Alrefaei A.F., Almutairi M.H., Sifa D., Khan R.U.	Partial and total replacement of soybean meal with maggot larvae meal in broiler chicken diets: Impact on growth performance, nutrients digestibility, haematological parameters and intestinal histomorphology	2023	Livestock Science	277			
177.	Chu Y.-M., Alzahrani T., Rashid S., Alhulayyil H., Rashidah W., Rehman S.U.	Complex dynamical analysis of fractional differences Willamowski's Rossler chemical reaction model in time-scale analysis	2023	Results in Physics	54			
178.	Rehman U.U., Almufarij R.S., Sahar K.U., Shokralla E.A.,	Device modeling of all-inorganic CsPbI ₃ based perovskite solar	2023	Optik	293			

	Ashfaq A., Mahmood K., Hussain E., Alsalmah H.A., Capangpangan R.Y., Alguno A.C.	cells: A numerical study						
179.	Alamri M.A., Tahir ul Qamar M.	Network pharmacology based virtual screening of Flavonoids from Dodonea angustifolia and the molecular mechanism against inflammation	2023	Saudi Pharmaceutical Journal	31	11		
180.	Hassan M., Rasul A., Ajmal Shah M., Jabeen F., Sadiqa A.	Effect of PENN- DIABEX, a novel polyherbal formulation, in high fat diet streptozotocin- induced diabetic rats	2023	Saudi Journal of Biological Sciences	30	11		
181.	Iqbal Y., Chatha S.A.S., Chauhdary Z., Ijaz Hussain A., Khan I.U.	Design and evaluation of moringa gum- based hydrogel dressings for cutaneous wound healing	2023	Journal of Bioactive and Compatible Polymers	38	6	417	436
182.	Almufarij R.S., Raza W., Ashfaq A., Ali	Enhanced the thermoelectric	2023	Inorganic Chemistry Communications	157			

	Shokralla E., Alsalmah H.A., Rehman U.U., Ali A., Macadangdang R.R., Jr., Capangpangan R.Y., Alguno A.C., Akhtar S.	power factor of n-type Bi ₂ Te ₃ thin film via energy filtering effect						
183.	Ullah S., Akram W., Mahmood M.S., Shazad N., Zahid M.N., Iqbal J.	Novel 2-D phosphorene- based drug delivery system for anti-HIV zidovudine drug to enhance the therapeutic effects: A first- principles based study	2023	Computational and Theoretical Chemistry	1229			
184.	Raza S., Zia-ur- Rehman M., Alghamdi S.A., Alghanem S.M.S., Usman M., Ahmed R., Waris A.A., Rizwan M., Abeed A.H.A., Al-Haithloul H.A.S.	Effects of zinc- enriched amino acids on rice plants (<i>Oryza sativa</i> L.) for adaptation in saline-sodic soil conditions: Growth, nutrient uptake and biofortification of zinc	2023	South African Journal of Botany	162		370	380
185.	Habib S., Tamoor M., Zaka M.A., Jia Y.	Assessment and optimization of carport	2023	Energy Conversion and Management	295			

		structures for photovoltaic systems: A path to sustainable energy development						
186.	Alomran M.M., Noman A., Aqeel M., Khalid N., Maqsood M.F., Akhter N., Arshad M., Alqahtani F.M., Alzuair F.M., Hashem M., Habeeb T., Al-Zoubi O.M., Alotaibi M.O.	Relative biochemical and physiological docking of cucumber varieties for supporting innate immunity against Podosphaera xanthii	2023	Microbial Pathogenesis	184			
187.	Hassan M., Bokhari T.H., Lodhi N.A., Khosa M., Usman M.	A review of recent advancements in Actinium-225 labeled compounds and biomolecules for therapeutic purposes	2023	Chemical Biology and Drug Design	102	5	1276	1292
188.	Ijaz M.U., Aziz S., Hamza A., Batool M., Alkahtani S., Riaz M.N., Ashraf A.	Curative effects of kaempferide on cadmium-instigated hepatotoxicity in male albino rats	2023	Journal of King Saud University - Science	35	8		
189.	Zaman Y., Ishaque M.Z., Waris K.,	Modified physical properties of Ni	2023	Arabian Journal of Chemistry	16	11		

	Shahzad M., Siddique A.B., Arshad M.I., Zaman H., Ali H.M., Kanwal F., Aslam M., Mustaqeem M.	doped ZnO NPs as potential photocatalyst and antibacterial agents						
190.	Irshad M.K., Zhu S., Javed W., Lee J.C., Mahmood A., Lee S.S., Jianying S., Albasher G., Ali A.	Risk assessment of toxic and hazardous metals in paddy agroecosystem by biochar-for bio-membrane applications	2023	Chemosphere	340			
191.	Jamil S., Khan S.R., Ali S., Bibi S., Khan R.A., Gill W.A., Janjua M.R.S.A.	Synthesis of calcium-bismuth layered double hydroxide (LADH) nanoparticles: Applications as photo-catalyst and fuel additive	2023	Inorganic Chemistry Communications	157			
192.	AL-Huqail A.A., Rizwan A., Zia-ur- Rehman M., Sakit Al-Haithloul H.A., Alghanem S.M.S., Usman M., Majid N., Hamoud Y.A., Rizwan M., Abeed A.A.	Effect of exogenous application of biogenic silicon sources on growth, yield, and ionic homeostasis of maize (Zea mays L.) crops cultivated in alkaline soil	2023	Chemosphere	341			

193.	Arshad N., Javaid M.A., Zia K.M., Hussain M.T., Arshad M.M., Tahir U.	Development of biocompatible aqueous polyurethane dispersions using chitosan and curcumin to improve physicochemical properties of textile surfaces	2023	International Journal of Biological Macromolecules	251			
194.	Akram M., Akhlaq S., Arshad M.I., Amin N., Ifseisi A.A., Akhtar M., Tung L.D., Thanh N.T.K., Morley N., Sadiq S., Hussain S., Ishaque M.Z., Zaman Y., Rehman A.U.	Improving the structural and transport properties of cadmium ferrites with the addition of cerium for high frequency applications	2023	Solid State Communications	373-374			
195.	Islam A., Shah S.H.U., Saeed Khan R.A., Amin A., Haider Z., Sheikh T.A., Irfan A., Imran M., Li M.-D.	Simple-structured nicotinonitrile based material for sky-blue organic light-emitting diodes	2023	Journal of Luminescence	263			
196.	Xie Y., Gong L., Liu S., Yan J., Zhao S., Xia C., Li K., Liu G., Mazhar M.W., Zhao J.	Antioxidants improve H^2 -cypermethrin degradation by alleviating oxidative damage	2023	Environmental Research	236			

		and increasing bioavailability by <i>Bacillus cereus</i> GW-01						
197.	Asif A., Khan M.U., Yaqoob J., Mustafa G., Ahmed S., Alhokbany N., Shafiq Z., Janjua M.R.S.A.	Tuning nonlinear optical properties of tetracyclopentate traphenylne by superhalogens doping: Quantum chemical perspective of novel NLO materials for modern optoelectronic applications	2023	Materials Science and Engineering: B	297			
198.	Pan H., Yousaf A., Imran M., Tahir M., Farooq U.	Numerical Simulation of Maxwell Nanofluid with MHD and Bio-Convective Flow Passing Through a Stretching Cylinder	2023	International Journal of Thermofluids	20			
199.	Hasnain Z., Zafar S., Usman S., Zhang L., Elansary H.O.	Elucidating role of melatonin foliar spray in ameliorating adverse effects of drought stress on growth and	2023	Scientia Horticulturae	321			

		physio-biochemical attributes of Brassica rapa plants						
200.	Umair M., Shad N.A., Hussain S., Jilani A., Sajid M.M., Arshad M.I., Hasnain Rana H.T., Sharma S.K., Mishra Y.K., Javed Y.	Predominated capacitive behavior of Ag-doped magnesium vanadate as a novel electrode material for supercapacitors	2023	International Journal of Hydrogen Energy	48	89	34610	34623
201.	Sammed K.A., Farid A., Mustafa S., Kumar A., Tabish M., Khan A.A., Ajmal S., Mo Z., Akbar A.R., Yasin G., Zeng Y.-J., Zhao W.	Developing next-generation supercapacitor electrodes by coordination chemistry-based advanced functional carbon nanostructures: Progress, Current challenges and prospects	2023	Fuel Processing Technology	250			
202.	Usman S., Yaseen G., Noreen Z., Rizwan M., Noor H., Elansary H.O.	Melatonin and arginine combined supplementation alleviate salt stress through physiochemical adjustments and	2023	Scientia Horticulturae	321			

		improved antioxidant enzymes activity in Capsicum annuum L.						
203.	Khan A., Niazi M.B.K., Ansar R., Jahan Z., Javaid F., Ahmad R., Anjum H., Ibrahim M., Bokhari A.	Thermochemical conversion of agricultural waste to hydrogen, methane, and biofuels: A review	2023	Fuel	351			
204.	Duraihem F.Z., Nazeer M., Hussain F., Saleem S.	Electro-osmotic particulate flow of non-Newtonian fluid in a bulged out cavity with lubrication: electro-osmotic dewatering approach	2023	Computational Particle Mechanics	10	6	1771	1780
205.	Abbas S., Javed M.T., Shahid M., Tanwir K., Saleem M.H., Niazi N.K.	Deciphering the Impact of Acinetobacter sp. SG-5 Strain on Two Contrasting Zea mays L. Cultivars for Root Exudations and Distinct Physio-Biochemical Attributes Under Cadmium Stress	2023	Journal of Plant Growth Regulation	42	11	6951	6968
206.	Shahbaz M., Azeem	Heat-Induced	2023	Journal of Plant Growth Regulation	42	11	6891	6902

	F., Rafique M.U., Siraj H.M.S., Rizwan M.	Transcriptome and Genome- Wide Analysis of NHL Genes in Maize (Zea mays L.) Suggest a Role of ZmNHLs Under Heat Stress						
207.	Kubra K.T., Ali R.	Modeling and analysis of novel COVID-19 outbreak under fractal-fractional derivative in Caputo sense with power-law: a case study of Pakistan	2023	Modeling Earth Systems and Environment	9	4	3865	3882
208.	Manzoor A., Asif M., Khalid S.H., Ullah Khan I., Asghar S.	Nanosizing of Lavender, Basil, and Clove Essential Oils into Microemulsions for Enhanced Antioxidant Potential and Antibacterial and Antibiofilm Activities	2023	ACS Omega	8	43	4060 0	40612
209.	Hammad M., Ali H., Hassan N., Tawab A., Salman M., Jawad I., de Jong A., Moreno C.M.,	Food safety and biological control; genomic insights and antimicrobial potential of	2023	PLoS ONE	18	45607		

	Kuipers O.P., Feroz Y., Rashid M.H.	Bacillus velezensis FB2 against agricultural fungal pathogens						
210.	Mansouri S., Balli M., Jandl S., Suleiman A.O., Fournier P., Bukhari S.H., Margot J., Chaker M.	On the magnetocaloric effect and the spin-phonon coupling in the multiferroic GdMn ₂ O ₅	2023	Journal of Alloys and Compounds	961			
211.	Nazeer M., Khan M.I., Abdullaev S., Awwad F.A., Ismail E.A.A.	Rheological study of Hall current and slip boundary conditions on fluid-nanoparticle phases in a convergent channel	2023	Nanoscale Advances	5	23	6473	6488
212.	Aziz M.T., Naqvi S.A.R., Janjua M.R.S.A., Alam M., Gill W.A.	Exploring the adsorption behavior of molecular hydrogen on CHA-zeolite by comparing the performance of various force field methods	2023	RSC Advances	13	44	30937	30950
213.	Abdullah M., Khan S., Jabbour K., Imran M., Ashiq M.F., John P.,	Development of binder-free MoTe ₂ /rGO electrode via	2023	Electrochimica Acta	466			

	Manzoor S., Munawar T., Ashiq M.N.	hydrothermal route for supercapacitor application						
214.	Shahid M., Hussain R., Nawaz Z., Aslam B., Ahmad M.Z., Siddique A.B., Ahsan H., Fatima A., Khan I., Mustafa B., Iqbal R., Al Syaad K.M., Shami A.	Occurrence of Virulence Genes among Methicillin- Resistant Staphylococcus aureus Isolated from Subclinical Bovine Mastitis	2023	ACS Omega	8	41	3811 1	38117
215.	Waqar M.A., Zaman M., Hameed H., Jamshaid M., Irfan A., Shazly G.A., Paiva-Santos A.C., Bin Jordan Y.A.	Formulation, Characterization, and Evaluation of β -Cyclodextrin Functionalized Hypericin Loaded Nanocarriers	2023	ACS Omega	8	41	3819 1	38203
216.	Hussain A., Chahlaoui Y., Zaman F.D., Parveen T., Hassan A.M.	The Jacobi elliptic function method and its application for the stochastic NNV system	2023	Alexandria Engineering Journal	81		347	359
217.	Hussain L., Masood I., Ahmad M., Ali M.Y., Saleem U., Hussain M., Khalid S.H., Chauhdary Z.	Pharmacological and toxicological evaluation of methyl 4- hydroxy-2H-1,2- benzothiazine-3- carboxylate 1,1- dioxide against	2023	Toxicology and Applied Pharmacology	477			

		haloperidol induced Parkinson like symptoms in animal model: In-vitro and in-vivo studies						
218.	Arshad M., Khan M.A., Rasool R.T., Arshad M.I., Irfan M.	Enhanced electrical transport properties of Cr-substituted Mg ²⁺ -Y-type hexaferrites for power applications	2023	Ceramics International	49	20	32588	32599
219.	Zain Ul Abidin M., Ikram M., Haider A., Ul-Hamid A., Nabgan W., Imran M., Goumri-Said S., Benali Kanoun M.	Catalytic degradation of methylene blue and bactericidal action by silver and CS-doped iron oxide nanostructures: Experimental and DFT approaches	2023	Materials Chemistry and Physics	308			
220.	Zhao S., Kamran M., Rizwan M., Ali S., Yan L., Alwahibi M.S., Elshikh M.S., Riaz M.	Regulation of proline metabolism, AsA-GSH cycle, cadmium uptake and subcellular distribution in Brassica napus L.	2023	Environmental Pollution	335			

		under the effect of nano-silicon						
221.	Mahmood A., Munir T., Rasul A., Ghfar A.A., Mumtaz S.	Polyethylene glycol and chitosan functionalized manganese oxide nanoparticles for antimicrobial and anticancer activities	2023	Journal of Colloid and Interface Science	648		907	915
222.	Li J., Abbas M., Desoky E.-S.M., Zafar S., Soaud S.A., Hussain S.S., Abbas S., Hussain A., Ihtisham M., Ragauskas A.J., Wafa H.A., El-Sappah A.H.	Analysis of metal tolerance protein (MTP) family in sunflower (Helianthus annus L.) and role of HaMTP10 as Cadmium antiporter under moringa seed extract	2023	Industrial Crops and Products	202			
223.	Basha B., Manzoor A., Alrowaili Z.A., Ihsan A., Shakir I., Al-Buriahi M.S.	Ba ₂ xHoxSr ₂ yNiyFe ₁₂ O ₂₂ and its composite with MXene: synthesis, characterization and enhanced visible light mediated photocatalytic activity for colored dye and	2023	RSC Advances	13	43	2994 4	29958

		pesticide						
224.	Jamil S., Khan S.R., Bibi S., Jahan N., Mushtaq N., Rafaqat F., Khan R.A., Gill W.A., Janjua M.R.S.A.	Recent advances in synthesis and characterization of iron-nickel bimetallic nanoparticles and their applications as photo-catalyst and fuel additive	2023	RSC Advances	13	42	2963 2	29644
225.	Ahmed T., Masood H.A., Noman M., AL-Huqail A.A., Alghanem S.M., Khan M.M., Muhammad S., Manzoor N., Rizwan M., Qi X., Abeed A.H.A., Li B.	Biogenic silicon nanoparticles mitigate cadmium (Cd) toxicity in rapeseed (Brassica napus L.) by modulating the cellular oxidative stress metabolism and reducing Cd translocation	2023	Journal of Hazardous Materials	459			
226.	Ashar A., Qayyum A., Bhatti I.A., Aziz H., Bhutta Z.A., Abdel-Maksoud M.A., Saleem M.H., Eletmany M.R.	Photo-Induced Super-Hydrophilicity of Nano-Calcite @ Polyester Fabric: Enhanced Solar Photocatalytic Activity against Imidacloprid	2023	ACS Omega	8	39	3572 2	35737
227.	Huda N.U., Wasim M., Nawaz H.,	Synthesis, Characterization,	2023	ACS Omega	8	39	3646 0	36470

	Majeed M.I., Javed M.R., Rashid N., Iqbal M.A., Tariq A., Hassan A., Akram M.W., Jamil F., Imran M.	and Evaluation of Antifungal Activity of 1-Butyl-3-hexyl-1H-imidazol-2(3H)-selenone by Surface-Enhanced Raman Spectroscopy						
228.	Muzammil S., Ashraf A., Siddique M.H., Aslam B., Rasul I., Abbas R., Afzal M., Faisal M., Hayat S.	A review on toxicity of nanomaterials in agriculture: Current scenario and future prospects	2023	Science Progress	106	4		
229.	Usman M., Rehman F.-U., Afzal M., Javed M., Ibrahim M., Amin N., Adeel S., Imran M., Mansour R.	Sustainable appraisal of lac (Kerria Lacca) based anthraquinone natural dye for chemical and bio-mordanted viscose and silk dyeing	2023	Science Progress	106	4		
230.	Yameen M., Asghar F., Adeel S., Haider M.Z., Aï-zomay M., Aftab M., Mia R.	Enhancing wool dyeing with clove bud (Syzygium aromaticum) based natural dye via microwave treatment using a central	2023	Science Progress	106	4		

		composite design						
231.	Khan R., Imran M., Afzal A.M., Iqbal M.W., Mumtaz S., Munna S.A., Islam M.S., Sajad R., Muzaffar N., Yaqoob M.Z.	Synthesis of CNTs Doped Nickel Copper-Sulfides Composite Electrode Material for High-Performance Battery-Supercapacitor Hybrid Device	2023	ECS Journal of Solid State Science and Technology	12	10		
232.	Khan M., Ahmed S., Yasin N.A., Sardar R., Hussaan M., Gaafar A.-R.Z., Haider F.U.	28-Homobrassinolide Primed Seed Improved Lead Stress Tolerance in Brassica rapa L. through Modulation of Physio-Biochemical Attributes and Nutrient Uptake	2023	Plants	12	20		
233.	Ghumman S.A., Ijaz A., Noreen S., Aslam A., Kausar R., Irfan A., Latif S., Shazly G.A., Shah P.A., Rana M., Aslam A., Altaf M., Kotwica-Mojzych K., Bin Jordan Y.A.	Formulation and Characterization of Curcumin Niosomes: Antioxidant and Cytotoxicity Studies	2023	Pharmaceuticals	16	10		
234.	Bajwa M., Tabassam N.,	Thermo-Responsive Sol-	2023	Gels	9	10		

	Hameed H., Irfan A., Zaman M., Khan M.A., Shazly G.A., Mehboob T., Riaz T., Jardan Y.A.B.	Gel-Based Nano-Carriers Containing Terbinafine HCl: Formulation, In Vitro and Ex Vivo Characterization, and Antifungal Activity						
235.	Zahoor A.F., Hafeez F., Mansha A., Kamal S., Anjum M.N., Raza Z., Khan S.G., Javid J., Irfan A., Bhat M.A.	Bacterial Tyrosinase Inhibition, Hemolytic and Thrombolytic Screening, and In Silico Modeling of Rationally Designed Tosyl Piperazine-Engrafted Dithiocarbamate Derivatives	2023	Biomedicines	11	10		
236.	Riaz M., Zaman M., Hameed H., Sarwar H.S., Khan M.A., Irfan A., Shazly G.A., Paiva-Santos A.C., Jardan Y.A.B.	Lamotrigine-Loaded Poloxamer-Based Thermo-Responsive Solâ€‘Gel: Formulation, In Vitro Assessment, Ex Vivo Permeation, and Toxicology Study	2023	Gels	9	10		
237.	Ahmed T., Noman	Fertilization of	2023	Plants	12	20		

	M., Qi Y., Shahid M., Hussain S., Masood H.A., Xu L., Ali H.M., Negm S., El-Kott A.F., Yao Y., Qi X., Li B.	Microbial Composts: A Technology for Improving Stress Resilience in Plants						
238.	Ghamkhar M., Khadimallah M.A., Hussain M., Tounsi A.	Impact and post-impact of ring supports: Eigenfrequency response at nano-scale	2023	Structural Engineering and Mechanics	88	2	109	115
239.	Iftikhar N., Hussain A.I., Fatima T., Alsuwayt B., Althaiban A.K.	Bioactivity-Guided Isolation and Antihypertensive Activity of Citrullus colocynthis Polyphenols in Rats with Genetic Model of Hypertension	2023	Medicina (Lithuania)	59	10		
240.	Bin-Mohsin B., Javed M.Z., Awan M.U., Kashuri A.	On Some New AB-Fractional Inclusion Relations	2023	Fractal and Fractional	7	10		
241.	Aslam B., Hussain A., Faisal M.N., Sindhu Z.-U.-D., Khan R.U., Alhidary I.A., Naz S., Tufarelli V.	Curcumin Co-Encapsulation Potentiates Anti-Arthritic Efficacy of Meloxicam Biodegradable Nanoparticles in	2023	Biomedicines	11	10		

		Adjuvant-Induced Arthritis Animal Model						
242.	Raza M., Thomas D.K., Riaz A.	Coefficient Estimates for Starlike and Convex Functions Related to Sigmoid Functions	2023	Ukrainian Mathematical Journal	75	5	782	799
243.	Shahzad R., Muneer M., Khalid R., Amin H.M.A.	ZnO-Bi2O3 Heterostructured Composite for the Photocatalytic Degradation of Orange 16 Reactive Dye: Synergistic Effect of UV Irradiation and Hydrogen Peroxide	2023	Catalysts	13	10		
244.	Shabbir I., Al-Asmari F., Saima H., Nadeem M.T., Ambreen S., Kasankala L.M., Khalid M.Z., Rahim M.A., Ã–zogul F., Bartkiene E., Rocha J.M.	The Biochemical, Microbiological, Antioxidant and Sensory Characterization of Fermented Skimmed Milk Drinks Supplemented with Probiotics Lactacaseibacillus casei and	2023	Microorganisms	11	10		

		Lacticaseibacillus rhamnosus						
245.	Akram N., Shahzadi I., Zia K.M., Saeed M., Ali A., Al-Salahi R., Abuelizz H.A., Verpoort F.	Fabrication and In Vitro Biological Assay of Thermo-Mechanically Tuned Chitosan Reinforced Polyurethane Composites	2023	Molecules	28	20		
246.	Raza M.H., Tahir M., Naz S., Alhidary I.A., Khan R.U., Losacco C., Tufarelli V.	Dried Date (Phoenix dactylifera L.) Meal Inclusion in the Diets of Broilers Affects Growth Performance, Carcass Traits, Nutrients Digestibility, Fecal Microbiota and Economics	2023	Agriculture (Switzerland)	13	10		
247.	Khan A., Nadeem M., Al-Asmari F., Imran M., Ambreen S., Rahim M.A., Oranab S., Esatbeyoglu T., Bartkiene E., Rocha J.M.	Effect of Lactiplantibacillus plantarum on the Conversion of Linoleic Acid of Vegetable Oil to Conjugated Linoleic Acid, Lipolysis, and Sensory Properties of	2023	Microorganisms	11	10		

		Cheddar Cheese						
248.	Mazahir M., Ahmed A., Khan M.A., Mariam A., Riaz S.	Comparative study of physicochemical and functional properties of different buckwheat varieties and their milling fractions	2023	International Food Research Journal	30	5	1261	1273
249.	Saleem F., Zhang W., Hina S., Zeng X., Ullah I., Bibi T., Nnamdi D.V.	Population Exposure Changes to Mean and Extreme Climate Events Over Pakistan and Associated Mechanisms	2023	GeoHealth	7	10		
250.	Hussain M., Ali M.R., Benslimane A., Sharif H., Khadimallah M.A., Naeem M.N., Harbaoui I., Helaili S., Majeed A., Tounsi A.	Service ability design of vibrating chiral SWCNTs: Validation and parametric study	2023	Computers and Concrete	32	4	393	398
251.	Khalid F., Asif K., Rasheed Y., Ashraf H., Maqsood M.F., Rana S., Zulfiqar U., Naz N., Shahbaz M., Sardar R., Riaz Z.	Nano priming for boosting growth and resilience in crops under abiotic stresses	2023	Biocatalysis and Agricultural Biotechnology	53			

252.	Khadimallah M.A., Harbaoui I., Helaili S., Benslimane A., Sharif H., Hussain M., Naeem M.N., Ali M.R., Majeed A., Tounsi A.	Composite action in connection of single-walled carbon nanotubes: Modeled as FEA shell theory	2023	Computers and Concrete	32	4	365	371
253.	Ashraf M., Hussain F., Aziz H., Riaz U., Saleem M.H., Javid A., Nosheen A., Ali A., Okla M.K., Saleh I.A., Alaraidh I.A., Abdel-Maksoud M.A.	Fabrication and characterization of novel, cost-effective graphitic carbon nitride/Fe coated textile nanocomposites for effective degradation of dyes and biohazards	2023	Heliyon	9	10		
254.	Gogi M.D., Naveed W.A., Abbasi A., Atta B., Farooq M.A., Subhan M., Haq I.U., Asrar M., Bukhari N.A., Hatamleh A.A., Ahmed M.A.A.	Field Evaluation of Slow-Release Wax Formulations: A Novel Approach for Managing Bactrocera zonata (Saunders) (Diptera: Tephritidae)	2023	Sustainability (Switzerland)	15	19		
255.	Shahzadi S., Ijaz M.U., Imran M., Naz H., Muzammil	STUDY ON THE EFFECTS OF CASTICIN	2023	Journal of Animal and Plant Sciences	33	5	1087	1097

	S., Abbas R.Z., Altaf S., Hussain R.	AGAINST GENTAMICIN-INDUCED DYSREGULATION OF OXIDATIVE STRESS, MITOCHONDRIA AND SERUM CHEMISTRY IN RATS						
256.	Mumtaz R., Khan M.A., Mubeen T., Azeem M., Zubair M.	SYZYGIUM AROMATICUM (L.) EXTRACTS STIMULATE THE CELL PROLIFERATION IN AN IN VITRO SCRATCH ASSAY	2023	Journal of Animal and Plant Sciences	33	5	1214	1219
257.	Rahim M.A., Ayub H., Sehrish A., Ambreen S., Khan F.A., Itrat N., Nazir A., Shoukat A., Shoukat A., Ejaz A., Ã–zogul F., Bartkiene E., Rocha J.M.	Essential Components from Plant Source Oils: A Review on Extraction, Detection, Identification, and Quantification	2023	Molecules	28	19		
258.	Huo W., Zulfiqar M., Parveen S., Ullah M.R., Chand A.	Increasing ecological sustainability using the combinations of technologies to produce power	2023	Heliyon	9	10		

259.	Khan I.A., Rasheed A., Farid A., Yousaf M., Raza A.	Synthesis of flower like microstructured CdZnS films for optoelectronic applications by powder vapor transport technique	2023	Physica Scripta	98	10		
260.	Khalid H., Haq A., Naqvi S.A.R., Usman M., Bokhari T.H.	Enhancement of photocatalytic activity of Ba-doped CoO for degradation of Emamectin benzoate in aqueous solution	2023	Environmental Monitoring and Assessment	195	10		
261.	Ijaz M.U., Saher F., Aslam N., Hamza A., Anwar H., Alkahtani S., Khan H.A., Riaz M.N.	Evaluation of possible attenuative role of chrysoeriol against polyethylene microplastics instigated testicular damage: A biochemical, spermatogenic and histological study	2023	Food and Chemical Toxicology	180			
262.	Habib S., Jia Y., Tamoor M., Zaka M.A., Shi M., Dong	Modeling, Simulation, and Experimental	2023	Energy Technology	11	10		

	Q.	Analysis of a Photovoltaic and Biogas Hybrid Renewable Energy System for Electrification of Rural Community						
263.	Wang J., Khan S.A., Yasmin S., Alam M.M., Liu H., Farooq U., AkgÃ¼l A., Hassan A.M.	Central composite design (CCD)-Response surface methodology (RSM) for modeling and simulation of MWCNT-water nanofluid inside hexagonal cavity: Application to electronic cooling	2023	Case Studies in Thermal Engineering	50			
264.	Rehman A., Fatima I., Wang Y., Tong J., Noor F., Qasim M., Peng Y., Liao M.	Unveiling the multi-target compounds of Rhazya stricta: Discovery and inhibition of novel target genes for the treatment of clear cell renal cell carcinoma	2023	Computers in Biology and Medicine	165			
265.	Ain Asif Q.U., Asim H., Nabi A.G.,	First-principles study of metals,	2023	Physica Scripta	98	10		

	Rehman M., Shahzad A., Kashif M., Hussain A.	metalloids and halogens doped monolayer MoSe2 to tune its electronic properties						
266.	Rashad M.S., Manzoor U., Ali Khan S., Liu H., Muhammad T.	Numerical investigation of magnetized nanofluid flow with thermal radiation and homogeneous/he terogeneous reactions over a vertical cylinder	2023	Case Studies in Thermal Engineering	50			
267.	Chu Y.-M., Rashid S., Asif Q.U.A., Abdalbagi M.	On configuring new choatic behaviours for a variable fractional-order memristor-based circuit in terms of Mittag-Leffler kernel	2023	Results in Physics	53			
268.	Malik M.F., Shah S.A.A., Bilal M., Hussien M., Mahmood I., Akgul A., Alshomrani A.S., Az-Zo'bi E.A.	New insights into the dynamics of heat and mass transfer in a hybrid (Ag-TiO2) nanofluid using Modified Buongiorno model: A case of	2023	Results in Physics	53			

		a rotating disk						
269.	Kiran S., Albargi H.B., Afzal G., Aimun U., Anjum M.N., Qadir M.B., Khaliq Z., Jalalah M., Irfan M., Abdullah M.M.	A zadirachta indica-assisted green synthesis of magnesium oxide nanoparticles for degradation of Reactive Red 195 dye: a sustainable environmental remedial approach	2023	Applied Water Science	13	10		
270.	Rafique M., Shahid Chatha S.A., Ali A., Sadiq S., Hussain T.	Characterization and recycling of raw fly ash derived through stems of Sesamum indicum as a proficient adsorbent for chlorazol black E from wastewater	2023	Kuwait Journal of Science	50	4	602	608
271.	Iqbal S., Jabeen F., Kahwa I., Omara T.	Suberosin Alleviates Thiazolidinedione-Induced Cardiomyopathy in Diabetic Rats by Inhibiting Ferroptosis via Modulation of ACSL4-LPCAT3	2023	Cardiovascular Toxicology	23	45545	295	304

		and PI3K-AKT Signaling Pathways						
272.	Sufyan M., Shokat Z., Ashfaq U.A.	Artificial intelligence in cancer diagnosis and therapy: Current status and future perspective	2023	Computers in Biology and Medicine	165			
273.	Jiang Y., Usman A.	How do energy technology innovation, financial inclusion, and digital trade help to achieve carbon neutrality targets?	2023	Environmental Science and Pollution Research	30	46	102853	102861
274.	Ijaz M., Khan F., Ahmed T., Noman M., Zulfiqar F., Rizwan M., Chen J., H.M. Siddique K., Li B.	Nanobiotechnology to advance stress resilience in plants: Current opportunities and challenges	2023	Materials Today Bio	22			
275.	Ahmed T., Noman M., Qi Y., Xu S., Yao Y., Masood H.A., Manzoor N., Rizwan M., Li B., Qi X.	Dynamic crosstalk between silicon nanomaterials and potentially toxic trace elements in plant-soil systems	2023	Ecotoxicology and Environmental Safety	264			
276.	Khan S., Chand N.,	Response to	2023	Livestock Science	276			

	Naz S., Alrefaei A.F., Albeshr M.F., Losacco C., Khan R.U.	dietary methionine and organic zinc in broilers against coccidia under Eimeria tenella-challenged condition						
277.	Islam N., Khan N.U., Razzaq A., Menaa F., Khan Z.U., Hussain A., Rehman S.U., Iqbal H., Ni J.	Loratadine oral bioavailability enhancement via solid dispersion loaded oro-dispersible films: Formulation, characterization and pharmacokinetics	2023	Colloids and Surfaces B: Biointerfaces	230			
278.	Ijaz M.U., Alvi K., Khan H.A., Imran M., Afsar T., Almajwal A., Amor H., Razak S.	Gossypetin mitigates doxorubicin-induced nephrotoxicity: A histopathological and biochemical evaluation	2023	Journal of King Saud University - Science	35	7		
279.	Akbar M.U., Aqeel M., Shah M.S., Jeelani G., Iqbal N., Latif A., Elnour R.O., Hashem M., Alzoubi O.M., Habeeb T., Qasim M., Noman A.	Molecular regulation of antioxidants and secondary metabolites act in conjunction to defend plants against	2023	South African Journal of Botany	161		247	257

		pathogenic infection						
280.	Saleem S., Parveen B., Abbas K., Iqbal S., Altaf A.A., Kausar S.	Synthesis, structural elucidation, molecular modeling and antimicrobial studies of Mn(II), Co(II), Ni(II), and Cu(II) complexes containing NO donor bidentate Schiff base	2023	Applied Organometallic Chemistry	37	10		
281.	Ejaz A., Waliat S., Afzaal M., Saeed F., Ahmad A., Din A., Ateeq H., Asghar A., Shah Y.A., Rafi A., Khan M.R.	Biological activities, therapeutic potential, and pharmacological aspects of blackcurrants (<i>Ribes nigrum</i> L): A comprehensive review	2023	Food Science and Nutrition	11	10	5799	5817
282.	Munir T., Mahmood A., Fatima S., Sohail A., Fakhar-e-Alam M., Atif M., Rafaqat N.	Structural, optical and thermoelectric properties of (Al and Zn) doped Co9S8-NPs synthesized via co-precipitation method	2023	Journal of King Saud University - Science	35	7		
283.	Mahboob M.,	Microwave-	2023	Sustainable Chemistry and Pharmacy	35			

	Adeel S., Barkaat S., Ahmad T., Ã–zomay M., Mia R., Mirnezhad S., Zuber M.	assisted santalin extraction from Pterocarpus santalinus for mordanted woolen yarn dyeing						
284.	Farooq R., Mgomi F.C., Saeed F., Ahmad A., Asghar A., Riaz S., Ateeq H., Shah Y.A., Khan M.R., Li Y., Afzaal M.	Characterization and valorization of soybean residue (okara) for the development of synbiotic ice cream	2023	Food Science and Nutrition	11	10	6571	6581
285.	Alotaibi M.O., Alotaibi N.M., Ghoneim A.M., Ain N.U., Irshad M.A., Nawaz R., Abbas T., Abbas A., Rizwan M., Ali S.	Effect of green synthesized cerium oxide nanoparticles on fungal disease of wheat plants: A field study	2023	Chemosphere	339			
286.	Ijaz M.U., Akbar A., Ashraf A., Alkahtani S., AlKahtane A.A., Riaz M.N.	Antioxidant, anti-inflammatory and anti-apoptotic effects of amentoflavone on gentamicin-induced kidney damage in rats	2023	Journal of King Saud University - Science	35	7		
287.	Rasool N., Omer M.O., Javeed A., Nawaz M., Imran M., Hussain M.,	Pharmacological effect of Argyrolobium roseum (Camb.)	2023	Food Science and Nutrition	11	10	6312	6323

	Mushtaq Z., ALÂ Jbawi E.	Jaub & Spach extracts against lead-induced toxicity in rats						
288.	Valdes O., Ali A., Carrasco-SÃ¡nchez V., Cabrera-Barjas G., Duran-Lara E., Ibrahim M., Ahmad S., Moreno R., ConcepciÃ³n O., de la Torre A.F., Abrar M., Morales- Quintana L., Abril D.	Ugi efficient synthesis of novel Nâ€‘alkylated lipopeptides, antimicrobial properties and computational studies in Staphylococcus aureus via MurD antibacterial target	2023	Computational Biology and Chemistry	106			
289.	Choudhry R., Yasmin A., Aslam M.A., Imran A., Ahmad R.S., Saeed F., Islam F., Zahoor T., Shah M.A., Rasool A.	Extraction of protein from apricot kernel oil press cake (AKOPC) through innovative techniques and the formulation ofÂ‘supplemente d yogurt	2023	Food Science and Nutrition	11	10	6085	6095
290.	Lubna, Mufti N., Ullah S., Sharif A., Nawaz M.W., Alkhayyat A., Imran M.A., Abbasi Q.H.	IoT enabled vehicle recognition system using inkjet-printed windshield tag and 5G cloud network	2023	Internet of Things (Netherlands)	23			

291.	Chauhan A., Islam F., Imran A., Ikram A., Zahoor T., Khurshid S., Shah M.A.	A review on waste valorization, biotechnological utilization, and management of potato	2023	Food Science and Nutrition	11	10	5773	5785
292.	Janjua M.R.S.A.	Impact of symmetry breaking on the performance of non-fullerene acceptors (NFAs) for photo and thermally stable organic solar cells (OSCs): A DFT-based interrogation and investigation	2023	Journal of Photochemistry and Photobiology A: Chemistry	444			
293.	Umair H.M., Bibi I., Majid F., Kamal S., Alwadai N., Arshad M.I., Ali A., Nouren S., Al Huwayz M., Iqbal M.	Ferroelectric, dielectric, magnetic and photocatalytic properties of Mn doped Ca-hexaferrite prepared via microemulsion route	2023	Materials Chemistry and Physics	307			
294.	Karim A., Anwar F., Saleem U., Fatima S., Ismail T., Obaidullah A.J.,	Administration of α -lipoic acid and silymarin attenuates	2023	Metabolic Brain Disease	38	7	2255	2267

	Khayat R.O., Alqahtani M.J., Alsharif I., Khan H., Vargas-De-La-Cruz C., Shah M.A.	aggression by modulating endocrine, oxidative stress and inflammatory pathways in mice						
295.	Almufarij R.S., Ashfaq A., Tahir S., Alqurashi R.S., Ragab A.H., El- Refaey D.E., Mushtaq S., Shokralla E.A., Ali A., Capangpangan R.Y., Alguno A.C.	Improving performance and recombination losses in lead free formamidinium tin based perovskite solar cells	2023	Materials Chemistry and Physics	307			
296.	Umar E., Ikram M., Haider J., Nabgan W., Imran M., Nazir G.	3D graphene- based material: Overview, perspective, advancement, energy storage, biomedical engineering and environmental applications a bibliometric analysis	2023	Journal of Environmental Chemical Engineering	11	5		
297.	Mubashir T., Hussain Tahir M., Mahmoud M.H.H., Shafiq Z., Ashraf M., El Azab I.H., El- Bahy Z.M., Ramzan Saeed Ashraf	Designing of symmetric and asymmetric small molecule acceptors for organic solar cells: A farmwork	2023	Journal of Photochemistry and Photobiology A: Chemistry	444			

	Janjua M.	based on Machine learning, virtual screening and structural analysis						
298.	Shahzad H., Imran M., Haider A., Naz S., Umar E., Ul-Hamid A., Nabgan W., Algaradah M.M., Fouda A.M., Haider J., Ikram M.	Catalytic and antimicrobial properties of Ag and polyacrylic acid doped SrO nanocomposites; molecular docking analysis	2023	Journal of Photochemistry and Photobiology A: Chemistry	444			
299.	Riaz A., Raza M.	The third Hankel determinant for starlike and convex functions associated with lune	2023	Bulletin des Sciences Mathematiques	187			
300.	Basha B., Sulaman M., Elshahat S., Jafri H.M., Alrowaili Z.A., Al-Buriahi M.S., Janjua M.R.S.A.	Multidimensional modelling and designing of efficient small molecule acceptors for organic solar cells	2023	Materials Science and Engineering: B	296			
301.	Butt D.S., Majeed A., Khawar R., Asad S., Hussain S.	Personality, Religiosity and Satisfaction with Life in Young Muslim and Christian Women in Pakistan	2023	Journal of Religion and Health	62	5	3382	3398

302.	Farhat F., Tariq A., Waseem M., Masood A., Raja S., Ajmal W., Iftikhar I., Zulfiqar U., Maqsood M.F.	Plant Growth Promoting Rhizobacteria (PGPR) Induced Improvements in the Growth, Photosynthesis, Antioxidants, and Nutrient Uptake of Rapeseed (Brassica napus L.)	2023	Gesunde Pflanzen	75	5	2075	2088
303.	Saeed F., Kausar A., Ali Q., Akhter N., Tehseen S.	Impact of Combined Glutathione and Zn Application for Seed Priming in Ameliorating the Adverse Effects of Water Stress on Maize Seed Germination Attributes, Metabolite Levels, and Seedling Vigor	2023	Gesunde Pflanzen	75	5	2147	2168
304.	Ahmed T., Amjad H., Mehwish, Jamil R., Anwar A.	Conjugation of Quantum Dot (CdS) with Antibodies for Identification of Ornithobacterium Rhinotracheale	2023	International Journal of Agriculture and Biosciences	12	3	128	135
305.	Mehnaz S., Abbas	Natural Control	2023	International Journal of Agriculture and	12	3	136	142

	R.Z., Kanchev K., Rafique M.N., Aslam M.A., Bilal M., Ather A.S., Zahid A., Batool T.	Perspectives of Dermanyssus Gallinae in Poultry		Biosciences				
306.	Rahim M.A., Imran M., Ambreen S., Khan F.A., Regenstein J.M., Al-Asmari F., Oranab S., Nadeem M., Hussain I., Khalid M.Z., Khalid W., Aljobair M.O., Mohamed Ahmed I.A.	Stabilization of the Antioxidant Properties in Spray-Dried Microcapsules of Fish and Chia Oil Blends	2023	ACS Omega	8	38	3518 3	35192
307.	Shabbir M., Imran M., Haider A., Shahzadi I., Ahmad W., Ul-Hamid A., Nabgan W., Shahzadi A., Al-Shanini A., Al-Anazy M.M., Adam M., Ikram M.	Efficient Samarium-Grafted-C3N4-Doped β -MoO ₃ Used as a Dye Degradation and Antibacterial Agent: In Silico Molecular Docking Study	2023	ACS Omega	8	38	3480 5	34815
308.	Riaz M., Ali A., Ashfaq M., Ibrahim M., Akram N., Tahir M.N., Kuznetsov A., Rodríguez L., Sameeh M.Y., Assiri M.A., Torre A.F.D.L.	Polymorphs of Substituted p-Toluenesulfonamide: Synthesis, Single-Crystal Analysis, Hirshfeld Surface Exploration, and	2023	ACS Omega	8	38	3530 7	35320

		Theoretical Investigation						
309.	Hussain M., Akram S., Khadimallah M.A., Tahir M., Ahmad S., Alsaigh M., Tounsi A.	Optimal control formulation in the sense of Caputo derivatives: Solution of hereditary properties of inter and intra cells	2023	Steel and Composite Structures	48	6	611	623
310.	Aziz T., Imran M., Haider A., Shahzadi A., Ul Abidin M.Z., Ul-Hamid A., Nabgan W., Algaradah M.M., Fouda A.M., Ikram M.	Catalytic performance and antibacterial behaviour with molecular docking analysis of silver and polyacrylic acid doped graphene quantum dots	2023	RSC Advances	13	40	28008	28020
311.	Mumtaz N., Akram N., Zia K.M., Saeed M., Usman M.	Fabrication, Thermo-Mechanical, and Morphological Characterization of Hydroxyapatite-Reinforced Polyurethane Biocomposites as Dye Adsorbent for Effluent	2023	ACS Omega	8	37	33310	33320

312.	Ali Khan S., Yasmin S., Waqas H., Az-Zo'bi E.A., Alhushaybari A., AkgÃ¼l A., Hassan A.M., Imran M.	Entropy optimized Ferro-copper/blood based nanofluid flow between double stretchable disks: Application to brain dynamic	2023	Alexandria Engineering Journal	79		296	307
313.	Ali M.Y., Amin N., Mehmood K., Ali A., Abdelmohsen S.A.M.	Enhancement of the structural, morphological, optical and thermoelectric power factor of polycrystalline BiInSe3 thin film	2023	Physica B: Condensed Matter	665			
314.	Ali M., Usman M., Shah A., Rehman A., Saqib Ali H.	Spectroscopic and conductometric investigation of mixed micellar-assisted solubilization of Nile blue sulfate	2023	Journal of Molecular Liquids	386			
315.	Ghouri F., Shahid M.J., Liu J., Sun L., Riaz M., Imran M., Ali S., Liu X., Shahid M.Q.	The protective role of tetraploidy and nanoparticles in arsenic-stressed rice: Evidence from RNA sequencing, ultrastructural	2023	Journal of Hazardous Materials	458			

		and physiological studies						
316.	Irshad M.A., Sattar S., Nawaz R., Al-Hussain S.A., Rizwan M., Bukhari A., Waseem M., Irfan A., Inam A., Zaki M.E.A.	Enhancing chromium removal and recovery from industrial wastewater using sustainable and efficient nanomaterial: A review	2023	Ecotoxicology and Environmental Safety	263			
317.	Alam R., Rasheed R., Ashraf M.A., Hussain I., Ali S.	Allantoin alleviates chromium phytotoxic effects on wheat by regulating osmolyte accumulation, secondary metabolism, ROS homeostasis and nutrient acquisition	2023	Journal of Hazardous Materials	458			
318.	Kousar F., Rasheed U., Imran M., Hussain F., Niaz N.A., Ali S.M., Shar M.A., Khalil R.M.A., Ashiq M.N., Khalid S.	First principle investigation of metallic ion conduction mechanisms in oxide materials for optical responsive storage devices	2023	Physica B: Condensed Matter	665			

319.	Zia-ur-Rehman M., Mfarrej M.F.B., Usman M., Anayatullah S., Rizwan M., Alharby H.F., Abu Zeid I.M., Alabdallah N.M., Ali S.	Effect of iron nanoparticles and conventional sources of Fe on growth, physiology and nutrient accumulation in wheat plants grown on normal and salt-affected soils	2023	Journal of Hazardous Materials	458			
320.	Younas M., Zubair M., Rizwan M., Khan M.A., Hussaini K.M., Mumtaz R., Azeem M., Abbas T., Irshad M.A., Ali S.	Synthesis and characterization of cerium, silver and copper oxide nanoparticles and their anticancer potential of hepatocellular carcinoma HepG2 cancer cells	2023	Journal of Molecular Structure	1288			
321.	Hussain L., Rana S., Abbas G., Alshammari A., Alasmari A.F., Alharbi M., Zahid M.T., Irfan M.	Pharmacological Potential of Hippophae rhamnoides L. Nano-Emulsion for Management of Polycystic Ovarian Syndrome in Animalsâ€™ Model: In Vitro and In Vivo	2023	ACS Omega	8	36	3297 7	32989

		Studies						
322.	Abbas G., Johansson G., Alay- E-Abbas S.M., Shi Y., Larsson J.A.	Quasi Three- Dimensional Tetragonal SiC Polymorphs as Efficient Anodes for Sodium-Ion Batteries	2023	ACS Applied Energy Materials	6	17	8976	8988
323.	Sufian M.A., Raza S.A., Riaz H., Ahmad W., Uddin Khan Z.M., Yousuf H., Affan M., Ghafoor A., Masood Butt A., Farooq M.U., Akram W.	Development and characterization of letrozole- encapsulated polymeric beads for sustained release	2023	Pakistan journal of pharmaceutical sciences	36	5	1627	1635
324.	Mehmood Y., Shahid H., Sohail M., Farooq U., Ahmed S., Adnan S., Tahir M.A., Mahmood R., Khursheed A., Nadeem M.	Biopolymer based film loaded with Cholecalciferol: A novel technique to enhance nutritional supplement absorbance	2023	Pakistan journal of pharmaceutical sciences	36	5	1649	1656
325.	Qamar M.U., Ejaz H., Mohsin M., Hadjadj L., Karadeniz A., Rolain J.-M., Saleem Z., Diene S.M.	Co-existence of NDM-, aminoglycoside- and fluoroquinolone- resistant genes in carbapenem- resistant	2023	Future Microbiology	18	14	959	969

		Escherichia coli clinical isolates from Pakistan						
326.	Akram S., Aziz H., Imran A., Javid A., Nosheen A., Ashraf M., Xue Z., Raza M.	Fabrication of silver/polyaniline /aminated graphene oxide coated textiles for electromagnetic interference shielding application within the different bands of frequency	2023	Synthetic Metals	298			
327.	Ibrahim M., Riaz M., Ali A., Shaheen M., Ur Rahman S., Aziz R., Alamri A.S., Alhomrani M., Dablood A.S., Alghamdi S., Sameeh M.Y., Tashkandi M.A.	Evaluating the Total Phenolic, Protein Contents, Antioxidant and Pharmacological Effects of Cynodon dactylon Extracts Against Escherichia coli and Staphylococcus aureus	2023	Polish Journal of Chemical Technology	25	3	110	119
328.	Mohsin N.A., Irfan M., Qamar S.	Current Advancements for New Drug Discovery Against Dengue Virus: A	2023	Pharmaceutical Chemistry Journal	57	6	932	951

		Review (2015 â€“ 2020)						
329.	Ali H.T., Akhtar M., Arshad M.I., Amin N., Rehman A.U., Latif Z., Mehmood M.A., Naveed M.A.	Tailoring of Structural, electrical, and dielectric properties of Mg-Mn-Bi nanoferrites with addition of Zn	2023	Journal of Ovonic Research	19	5	557	565
330.	Saleem A., Shifa M.S., Buzdar S.A., Asghar H.M.N.U.H.K., Mustaqeem M., Gilani Z.A., Ali S.M., Shar M.A., Khan A.K.	Structural and magnetic effect of bismuth substitution on Li-Co ferrite synthesized through microemulsion method	2023	Journal of Ovonic Research	19	5	547	556
331.	Hussain S., Mustafa G., Ahmed S., Albeshr M.F.	Underlying Mechanisms of <i>Bergenia</i> spp. to Treat Hepatocellular Carcinoma Using an Integrated Network Pharmacology and Molecular Docking Approach	2023	Pharmaceuticals	16	9		
332.	Ashfaq M., Ali A., Abbood N.K., Panchal S., Akram	Enhanced Photocatalytic Activity of the	2023	Water (Switzerland)	15	18		

	N., Saeed M., Doshi O.P., Ali F., Muhammad S., Sameeh M.Y., Nazar A.N.	Bi2O3-NiO Heterojunction for the Degradation of Methyl Orange under Irradiation of Sunlight						
333.	Javed S., Abbas G., Shah S., Rasul A., Irfan M., Saleem A., Hosny K.M., Bukhary S.M., Safhi A.Y., Sabei F.Y., Majrashi M.A., Alkhalidi H.M., Alissa M., Khan S.M., Hanif M.	Tobramycin-loaded nanoparticles of thiolated chitosan for ocular drug delivery: Preparation, mucoadhesion and pharmacokinetic evaluation	2023	Heliyon	9	9		
334.	Nazeer M., Ali W., Hussain F.	Tracking Multiphase Flows through Steep Reservoirs with External Constraint	2023	Water (Switzerland)	15	18		
335.	Virk Z.A., Yasin M.Z., Gill S., Ilyas M.F., Dradrach A., Alamri S., Alfagham A.T., Akhtar M.S., Iqbal M.	Inducing Rhizosphere Acidification in White Willow with Bacillus sp. ZV6 Enhances Ni Phytoextraction from Soil and Soil Quality	2023	Minerals	13	9		

336.	Akhtar K., Wang W., Djalovic I., Prasad P.V.V., Ren G., Ain N.U., Riaz M., Feng Y., Yang G., Wen R.	Combining Straw Mulch with Nitrogen Fertilizer Improves Soil and Plant Physio-Chemical Attributes, Physiology, and Yield of Maize in the Semi-Arid Region of China	2023	Plants	12	18		
337.	Ali M.A., Bhatti A.R., Rasool A., Farhan M., Esenogho E.	Optimal Location and Sizing of Photovoltaic-Based Distributed Generations to Improve the Efficiency and Symmetry of a Distribution Network by Handling Random Constraints of Particle Swarm Optimization Algorithm	2023	Symmetry	15	9		
338.	Bhutta M.R., Gillani F., Zahid T., Bibi S., Ghafoor U.	Investigation of Hardness and Microanalysis of Sintered Aluminum-Based Supplemented Metal Matrix	2023	Crystals	13	9		

		Machined Composites						
339.	Kiani H.S., Ahmad W., Nawaz S., Farah M.A., Ali A.	Optimized Extraction of Polyphenols from Unconventional Edible Plants: LC-MS/MS Profiling of Polyphenols, Biological Functions, Molecular Docking, and Pharmacokinetics Study	2023	Molecules	28	18		
340.	Adeel S., Zuber M., KÄ±nÄ±k M., Zor A., BÄ¼yÄ¼kkol S., Kahraman A.D., Ozomay M., DÄ¶ll A., Lehimler Z., Khattak S.P.	Green Application of Isolated Colorant from Neem Bark for Mordant-Coated Wool: Optimization of Dyeing and Mordanting for Shade Development	2023	Coatings	13	9		
341.	Gulshan S., Shah S., Shah P.A., Irfan M., Saadullah M., Abbas G., Hanif M., Rasul A., Ahmad N., Mahmood A., Basheer E., Habib M.O., Alotaibi H.F.,	Development and Pharmacokinetic Evaluation of Novasomes for the Trans-nasal Delivery of Fluvoxamine Using Arachidonic	2023	Pharmaceutics	15	9		

	Obaidullah A.J., Alsabhan J.F., Alwassil O.L.	Acid- Carboxymethyl Chitosan Conjugate						
342.	Mashaal K., Shabbir A., Khan M.A., Hameed H., Shahzad M., Irfan A., Shazly G.A., Mobashar A., Akhtar T., Shaheryar Z.A., Bin Jardan Y.A.	Anti-Arthritic and Immunomodulat ory Potential of Methanolic, n- Hexane, and Ethyl Acetate Fractions of Bark of Acacia modesta on Complete Freundâ€™s Adjuvant-Induced Arthritis in Rats	2023	Pharmaceutics	15	9		
343.	Shoaib S.M., Afzal S., Feezan A., Akash M.S.H., Nadeem A., Mir T.M.	Metabolomics Analysis and Biochemical Profiling of Arsenic-Induced Metabolic Impairment and Disease Susceptibility	2023	Biomolecules	13	9		
344.	Jabeen K., Rehman K., Akash M.S.H., Nadeem A., Mir T.M.	Neuroprotective and Cardiometabolic Role of Vitamin E: Alleviating Neuroinflammati on and Metabolic Disturbance	2023	Biomedicines	11	9		

		Induced by AlCl3 in Rat Models						
345.	Fatima M., Aslam S., Zafar A.M., Irfan A., Khan M.A., Ashraf M., Faisal S., Noreen S., Shazly G.A., Shah B.R., Bin Jordan Y.A.	Exploring the Synthetic Chemistry of Phenyl-3-(5-aryl-2-furyl)- 2-propen-1-ones as Urease Inhibitors: Mechanistic Approach through Urease Inhibition, Molecular Docking and Structureâ€“Activ ity Relationship	2023	Biomedicines	11	9		
346.	Vivas-Cortez M., Awan M.U., Asif U., Javed M.Z., Budak H.	Advances in Ostrowski-Mercer Like Inequalities within Fractal Space	2023	Fractal and Fractional	7	9		
347.	Mehmood Y., Shahid H., Barkat K., Arshad N., Rasul A., Uddin M.N., Kazi M.	Novel Hydrolytic Degradable Crosslinked Interpenetrating Polymeric Networks (IPNs): An Efficient Hybrid System to Manage the Controlled Release and	2023	Gels	9	9		

		Degradation of Misoprostol						
348.	Latif L., Shuaib U.	Application of t-intuitionistic fuzzy subgroup to Sylow theory	2023	Heliyon	9	9		
349.	Iftikhar A., Nausheen R., Khurshid M., Iqbal R.K., Muzaffar H., Malik A., Ali Khan A., Batool F., Akhtar S., Yasin A., Anwar H.	Pancreatic regenerative potential of manuka honey evidenced through pancreatic histology and levels of transcription factors in diabetic rat model	2023	Heliyon	9	9		
350.	Zubair F., Sherwani R.A.K., Abid M.	Enhanced performance of mixed HWMA-CUSUM charts using auxiliary information	2023	PLoS ONE	18	45544		
351.	Hassan A., Yang J., Usman A., Bilal A., Ullah S.	Green growth as a determinant of ecological footprint: Do ICT diffusion, environmental innovation, and natural resources matter?	2023	PLoS ONE	18	45544		
352.	Nasim U., Bhatti	Finite-time	2023	PLoS ONE	18	45544		

	A.R., Farhan M., Rasool A., Butt A.D.	robust speed control of synchronous reluctance motor using disturbance rejection sliding mode control with advanced reaching law						
353.	Hussain M., Khadimallah M.A., Tounsi A.	Correlation between frequency and Poisson's ratio: Study of durability of armchair SWCNTs	2023	Computers and Concrete	32	3	303	311
354.	Basha B., Murtaza A., Ibn Shamsah S., Alqahtani M.S., Manzoor A., Alrowaili Z.A., Munir S., Imran Din M., Al-Buriahi M.S.	The impact of cu- doping on Ni0.5- Co0.5Fe2O4 @graphitic carbon nitride for the degradation of organic pollutants	2023	FlatChem	41			
355.	Haidri I., Shahid M., Hussain S., Shahzad T., Mahmood F., Hassan M.U., Al- Khayri J.M., Aldaej M.I., Sattar M.N., Rezk A.A.-S., Almaghasla M.I., Shehata W.F.	Efficacy of Biogenic Zinc Oxide Nanoparticles in Treating Wastewater for Sustainable Wheat Cultivation	2023	Plants	12	17		
356.	Feng Y., Ahmad M.,	Analysis of	2023	Heliyon	9	9		

	Waseem L.A.	environmental sustainability and economic development from electricity consumption based on the modified spatial Durbin model						
357.	Mekerbi M., Bachir Bouiadjra R., Benyoucef S., Selim M.M., Tounsi A., Hussain M.	Micromechanical Models for Analyzing Bending of Porous/Perfect FG Plates in a Hygro-Thermomechanical Environment by a Quasi-3D Theory	2023	Mechanics of Composite Materials	59	4	693	712
358.	Azeem A., Ul-Allah S., Azeem F., Naeem M., Sattar A., Ijaz M., Sher A.	Effect of foliar applied zinc sulphate on phenotypic variability, association and heritability of yield and zinc biofortification related traits of wheat genotypes	2023	Heliyon	9	9		
359.	Khan W.H., Asghar S., Khan I.U., Irfan M., Alshammari A.,	Effect of hydrophilic polymers on the	2023	Heliyon	9	9		

	Riaz Rajoka M.S., Munir R., Shah P.A., Khalid I., Razzaq F.A., Khalid S.H.	solubility and dissolution enhancement of rivaroxaban/beta -cyclodextrin inclusion complexes						
360.	Chen T., Arshad I., Iqbal W.	Assessing the supply chain management of waste-to-energy on green circular economy in China: an empirical study	2023	Environmental Science and Pollution Research	30	44	1001 49	100164
361.	KhokharVoytas A., Shahbaz M., Maqsood M.F., Zulfiqar U., Naz N., Iqbal U.Z., Sara M., Aqeel M., Khalid N., Noman A., Zulfiqar F., Al Syaad K.M., AlShaqhaa M.A.	Genetic modification strategies for enhancing plant resilience to abiotic stresses in the context of climate change	2023	Functional and Integrative Genomics	23	3		
362.	Latif A., Ying S., Cuixia P., Ali N.	Rice Curled Its Leaves Either Adaxially or Abaxially to Combat Drought Stress	2023	Rice Science	30	5	405	416
363.	Iram K., Ashraf M.A., Ibrahim S.M., Rasheed R., Ali S.	Coumarin regulated redox homeostasis to	2023	Environmental Science and Pollution Research	30	44	9958 4	99604

		facilitate phytoremediatio n of saline and alkaline soils by bitter gourd (Momordica charantia L.)						
364.	Sarwar S., Yaseen M.R., Makhdum M.S.A., Sardar A., Yasmeen N., Shahid R.	Global digital divide and environmental degradation in Africa	2023	Environmental Science and Pollution Research	30	42	9619 1	96207
365.	Zaman Y., Ishaque M.Z., Yousaf Y., Shahzad M., Siddique A.B., Arshad M.I., Sajid M., Ali N., Nabi G.	Physical properties of multifunctional TM-doped ZnO nanorods and their photocatalytic and anti-bacterial activities	2023	Environmental Science and Pollution Research	30	42	9586 0	95874
366.	Kausar S., Jabeen F., Latif M.A., Asad M.	Characterization, dose dependent assessment of hepatorenal oxidative stress, hematological parameters and histopathological divulging of the hepatic damages induced by Zinc oxide nanoparticles	2023	Saudi Journal of Biological Sciences	30	9		

		(ZnO-NPs) in adult male Sprague Dawley rats						
367.	Shakoor A., Farooq T.H., Arif M.S., Shahzad S.M.	Unprecedented wildfires in Canada and transboundary effects of carbon monoxide pollution	2023	Natural Hazards	118	3	2711	2713
368.	Waqas H., Khan S.A., Ali B., Liu D., Muhammad T., Hou E.	Numerical computation of Brownian motion and thermophoresis effects on rotational micropolar nanomaterials with activation energy	2023	Propulsion and Power Research	12	3	397	409
369.	Li W., Farooq U., Waqas H., Alharthi A.M., Fatima N., Hassan A.M., Muhammad T., AkgÃ¼l A.	Numerical simulations of Darcy-forchheimer flow of radiative hybrid nanofluid with Lobatto-IIIa scheme configured by a stretching surface	2023	Case Studies in Thermal Engineering	49			
370.	Alsalmah H.A., Ikram S., Batool S.,	An economic experimental	2023	Inorganic Chemistry Communications	155			

	Amami M., Mahmood K.	approach to optimize the microstructure and thermoelectric performance of ZnSe thin films						
371.	Adeel M., Afzaal M., Saeed F., Ahmed A., Mahmood K., Abbas shah Y., Ateeq H., Sibat A., Khan M.R., Busquets R.	Encapsulation of probiotic bacteria using polyelectrolytes stabilized nanoliposomes for improved viability under hostile conditions	2023	Journal of Food Science	88	9	3839	3848
372.	Alharbi K., Aqeel M., Khalid N., Nazir A., Irshad M.K., Alzuaibr F.M., AlHaithloul H.A.S., Akhter N., Al-Zoubi O.M., Qasim M., Syaad K.M.A., AlShaqhaa M.A., Noman A.	Microplastics in soil differentially interfere with nutritional aspects of chilli pepper	2023	South African Journal of Botany	160		402	413
373.	Hussain M., Imran M., Waqas H., Muhammad T., Eldin S.M.	An efficient heat transfer analysis of MHD flow of hybrid nanofluid between two vertically rotating plates using Keller box	2023	Case Studies in Thermal Engineering	49			

		scheme						
374.	Zahra D., Shokat Z., Ahmad A., Javaid A., Khurshid M., Ashfaq U.A., Nashwan A.J.	Exploring the recent developments of alginate silk fibroin material for hydrogel wound dressing: A review	2023	International Journal of Biological Macromolecules	248			
375.	Ahmed A., Saleem M.A., Saeed F., Afzaal M., Imran A., Akram S., Hussain M., Khan A., AlÂ Jbawi E.	A comprehensive review on the impact of calcium and vitamin D insufficiency and allied metabolic disorders in females	2023	Food Science and Nutrition	11	9	5004	5027
376.	Khan F.S.	Inside the dark world: Women's trade and prostitution in Patricia McCormick's Sold and Awais Khan's No Honour	2023	Women's Studies International Forum	100			
377.	Raza A., Charagh S., Salehi H., Abbas S., Saeed F., Poinern G.E.J., Siddique K.H.M., Varshney R.K.	Nano-enabled stress-smart agriculture: Can nanotechnology deliver drought and salinity-smart crops?	2023	Journal of Sustainable Agriculture and Environment	2	3	189	214
378.	Ashraf M.A., Rasheed R.,	Taurine protected	2023	Acta Physiologiae Plantarum	45	9		

	Hussain I., Shad M.I., Nazim W.	Trifolium alexandrinum L. plants from damages of individual and interactive effects of chromium and drought stress						
379.	Ashraf A., Ijaz M.U., Muzammil S., Nazir M.M., Zafar S., Zihad S.M.N.K., Uddin S.J., Hasnain M.S., Nayak A.K.	The role of bixin as antioxidant, anti-inflammatory, anticancer, and skin protecting natural product extracted from Bixa orellana L	2023	Fitoterapia	169			
380.	Shah M.A., Abuzar S.M., Ilyas K., Qadees I., Bilal M., Yousaf R., Kassim R.M.T., Rasul A., Saleem U., Alves M.S., Khan H., Blundell R., Jeandet P.	Ginsenosides in cancer: Targeting cell cycle arrest and apoptosis	2023	Chemico-Biological Interactions	382			
381.	Bashir R., Ramzan H.N., Mahmood S., Awais M., Hassan S., Aqeel M., Alhaithloul H.A.S., Albishi T.S., Qari S.H., Noman A.	Lipoic Acid Positively Regulates Tomato Growth and Yield by Improving Organic	2023	Journal of Soil Science and Plant Nutrition	23	3	4691	4703

		Osmolytes and Antioxidant Defense System Under Saline Conditions						
382.	Rady M.M., Alharby H.F., Desoky E.-S.M., Maray A.R.M., Mohamed I.A.A., Howladar S.M., Elmohsen Y.H.A., Faraz A., Ali S., AbdelKhalik A.	Citrate-containing lemon juice, as an organic substitute for chemical citric acid, proactively improves photosynthesis, antioxidant capacity, and enzyme gene expression in cadmium-exposed Phaseolus vulgaris	2023	South African Journal of Botany	160		88	101
383.	Zahid I., Qamar A., Farooq M., Riaz F., Habib M.S., Farhan M., Sultan M., Rehman A.U., Hayat M.A.	Experimental optimization of various heat sinks using passive thermal management system	2023	Case Studies in Thermal Engineering	49			
384.	Rehman U.U., Almoussa N., Sahar K.U., Ashfaq A., Mahmood K., Shokralla E.A., Al-	Optimizing the Efficiency of Lead-Free Cs ₂ TiI ₆ -Based Double Halide	2023	Energy Technology	11	9		

	Buriahi M.S., Alrowaili Z.A., Capangpangan R.Y., Alguno A.C.	Perovskite Solar Cells Using SCAPS-1D						
385.	Usman A., Ozturk I., Naqvi S.M.M.A., Zafar S.M., Javed M.I.	Green versus conventional growth in the EKC framework of top pollutant footprint countries: Evidence based on advanced panel data techniques	2023	Geological Journal	58	9	3368	3384
386.	Ao T.-J., Zhao X.-Q., Mehmood M.A., Wang N., Zhu H., Liu C.-G., Bai F.-W.	A double- chamber microbial electrolysis cell improved the anaerobic digestion efficiency and elucidated the underlying bio- electrochemical mechanism	2023	Chemical Engineering Journal	471			
387.	AL-Huqail A.A., Alshehri D., Nawaz R., Irshad M.A., Iftikhar A., Hussaini K.M., Rizwan M., Alghanem S.M.S., Abeed A.H.A.	The effect of gibberellic acid on wheat growth and nutrient uptake under combined stress of cerium, zinc	2023	Chemosphere	336			

		and titanium dioxide nanoparticles						
388.	Nisar J., e Hina G., Ali G., Ahmad A., Shah A., Farooqi Z.H., Bukhari T.H.	Conversion of thermocol waste into fuel oil over nickel oxide: kinetics and fuel properties of the oil	2023	Journal of Material Cycles and Waste Management	25	5	2996	3004
389.	Muddasar M., Liaquat R., Rahman M.Z.U., Khoja A.H., Aslam A., Basit A.	Coaxial microbial electrolysis cell for cost-effective bioenergy production and wastewater treatment of potato industry effluent	2023	Journal of Chemical Technology and Biotechnology	98	9	2203	2213
390.	Yousaf H., Rehmat S., Jameel M., Ibrahim R., Hashmi S.N., Makhdoom E.U.H., Iwaszkiewicz J., Saadi S.M., Tariq M., Baig S.M., Toft M., Fatima A., Iqbal Z.	A homozygous founder variant in PDE2A causes paroxysmal dyskinesia with intellectual disability	2023	Clinical Genetics	104	3	324	333
391.	Qayyum M.A., Farooq T., Baig A., Bokhari T.H., Anjum M.N., Mahmood M.H.-U.-	Assessment of essential and toxic elemental concentrations in tumor and non-	2023	Journal of Trace Elements in Medicine and Biology	79			

	R., Ashraf A.R., Muddassir K., Ahmad M.	tumor tissues with risk of colorectal carcinoma in Pakistan						
392.	Farhat F., Ashaq N., Noman A., Aqeel M., Raja S., Naheed R., Maqsood M.F., Haider I., Tariq A.	Exogenous Application of Moringa Leaf Extract Confers Salinity Tolerance in Sunflower by Concerted Regulation of Antioxidants and Secondary Metabolites	2023	Journal of Soil Science and Plant Nutrition	23	3	3806	3822
393.	Takeichi T., Yoshikawa T., Iqbal M.N., Farooq M., Taki T., Muro Y., Shimomura Y., Seishima M., Akiyama M.	Mild generalised pustular psoriasis patient with a heterozygous hypomorphic MPO variant successfully treated with granulocyte and monocyte adsorption apheresis	2023	Experimental Dermatology	32	9	1557	1562
394.	Ali N., Erinle K.O., Sher A.A., Zaib-un- Nisa, Hakimi S.S., Afzal B., Ashraf Y.M.	Soil Liming Ameliorates Crude Oil Stress and Promotes Biochemical Indices and	2023	Journal of Soil Science and Plant Nutrition	23	3	4034	4043

		Photosynthetic and Antioxidant Enzyme Activities in Lemongrass (Cymbopogon citratus)						
395.	Mushtaq A., Zahoor A.F., Ahmad S., Parveen B., Ali K.G.	Novel synthetic methods toward the synthesis of Betti bases: an update	2023	Chemical Papers	77	9	4751	4795
396.	Al-Essa L.A., Arshad M., Galal A.M.	Statistical analysis for solution of non-linear integro-differential equation by using ordinary and accerlated technique of Kamal-Adomian Decomposition	2023	Engineering Analysis with Boundary Elements	154		141	149
397.	khan M.A., kalsoom S., Ayub A.R., Ilyas M., Hassan N., Irshad K., Zeshan M., Arshad S., Zahid M.N., El-Fattah A.A., Iqbal J.	Host-guest coupling to potentially increase the bio-accessibility of 1-(2-chloroethyl)-3-cyclohexyl-1-nitrosoarea by nanocarrier graphyne for brain tumor therapy, a	2023	Journal of Molecular Graphics and Modelling	123			

		comprehensive quantum mechanics study						
398.	Zubair A., Abro M.A., Usman M., Shabbir R.	Role of supervisor support, CCM approach and salesforce performance in service selling	2023	International Social Science Journal	73	249	873	886
399.	Sumair M., Pasha R.A., Aized T., Aslam Bhutta M.M., Tehreem L., Shoaib M.	Computing optimum solar tilt angles for photovoltaic applications through python code simulation	2023	Environmental Progress and Sustainable Energy	42	5		
400.	Wahab A., Munir A., Saleem M.H., AbdulRaheem M.I., Aziz H., Mfarrej M.F.B., Abdi G.	Interactions of Metalâ€Based Engineered Nanoparticles with Plants: An Overview of the State of Current Knowledge, Research Progress, and Prospects	2023	Journal of Plant Growth Regulation	42	9	5396	5416
401.	Nazeer M., Alqarni M.Z., Hussain F., Saleem S.	Computational analysis of multiphase flow of non-Newtonian fluid through inclined	2023	Computational Particle Mechanics	10	5	1371	1381

		channel: heat transfer analysis with perturbation method						
402.	Hanif M., Ameer N., Akram H., Mahmood K., Bano S., Qaiser M., Abbas G., Rahman H.M.A.	Raft-forming gastroretentive tablets incorporating solidly dispersed Curcumin-Eudragit E100; in vitro and in vivo approaches for treatment of gastric ulcer	2023	Polymer Bulletin	80	9	9833	9851
403.	Shahzad M.M., Hussain S.M., Hussain M., Ahmad N., Tahir L., Akhtar K.	Effect of eco-friendly probiotics-supplemented rapeseed meal‐based diet on the performance of Catla catla fingerlings	2023	Environmental Science and Pollution Research	30	44	99219	99230
404.	Hussain T., Akhter N., Nadeem R., Rashid U., Noreen S., Anjum S., Ullah S., Hussain H.R., Ashfaq A., Perveen S., A. Alharthi F., Kazerooni E.A.	Biogenic synthesis of date stones biochar-based zirconium oxide nanocomposite for the removal of hexavalent chromium from	2023	Applied Nanoscience (Switzerland)	13	9	6053	6066

		aqueous solution						
405.	Ahmad S., Zafar S., Jabeen F., Akhter N., Akram M., Mohiuddin E., Shah S.M.A., Siddiqui S., Chishti M.A., Sarwar G., Manzoor M.Z., Ibadi A.K., Mousa W., Nwuzo A.C., Uskoković V.	Antipyretic Activity of Medicinal Plants from the Thal Desert	2023	Letters in Applied NanoBioScience	12	3		
406.	Maqbool T., Younas H., Bilal M., Rasool N., Bajaber M.A., Mubarik A., Parveen B., Ahmad G., Ali Shah S.A.	Synthesis of 1-(4-Bromobenzoyl)-1,3-dicyclohexylurea and Its Arylation via Readily Available Palladium Catalyst's Their Electronic, Spectroscopic, and Nonlinear Optical Studies via a Computational Approach	2023	ACS Omega	8	33	30306	30314
407.	Shahzadi I., Aqeel M., Haider A., Naz S., Imran M., Nabgan W., Al-Shanini A., Shahzadi A.,	Hydrothermal Synthesis of Fe-Doped Cadmium Oxide Showed Bactericidal Behavior and	2023	ACS Omega	8	33	30681	30693

	Alshahrani T., Ikram M.	Highly Efficient Visible Light Photocatalysis						
408.	Shah S.A.A., Alanazi M.M., Malik M.F., Abbas Z.	New insight into the dynamics of non-Newtonian Powell-Eyring fluid conveying tiny particles on Riga plate with suction and injection	2023	Nanotechnology	34	34		
409.	Alotaibi A., Abbas A.	Islamic religiosity and green purchase intention: a perspective of food selection in millennials	2023	Journal of Islamic Marketing	14	9	2323	2342
410.	Matloob A., Ayub H., Mohsin M., Ambreen S., Khan F.A., Oranab S., Rahim M.A., Khalid W., Nayik G.A., Ramniwas S., Ercisli S.	A Review on Edible Coatings and Films: Advances, Composition, Production Methods, and Safety Concerns	2023	ACS Omega	8	32	2893 2	28944
411.	Nazeer M., Nazir M.W., Ali N., Javed T., Abdelmohsen S.A.M., Khan M.I.	Momentum and thermal transport analysis in MHD nanofluid through the thermally heated square conduit:	2023	Journal of Magnetism and Magnetic Materials	580			

		Finite element method						
412.	Wu R.H., Zhu C.Y., Yu P.H., Ma Y., Hussain L., Naranmandura H., Wang Q.Q.	The landscape of novel strategies for acute myeloid leukemia treatment: Therapeutic trends, challenges, and future directions	2023	Toxicology and Applied Pharmacology	473			
413.	Areeb F., Ahsan I., Rasheed A., Sumera P., Jamil M.	Magnetosonics with Landau levels in GaAs semiconductor systems	2023	Physica B: Condensed Matter	663			
414.	Chen F., Li Y., Irshad M.A., Hussain A., Nawaz R., Qayyum M.F., Ma J., Zia-ur-Rehman M., Rizwan M., Ali S.	Effect of titanium dioxide nanoparticles and co-composted biochar on growth and Cd uptake by wheat plants: A field study	2023	Environmental Research	231			
415.	Farid A., Zhonghua C., Khan A.S., Javid M., Khan I.A., Khan A.A., Fan Z., Pan L.	Ni3V2O8 Nanosheets Grafted on 3D Helical-shaped Carbon Nanocoils as A Binder-free Hierarchical Composite for Efficient Non-	2023	Advanced Functional Materials	33	33		

		enzymatic Glucose Sensing						
416.	Naz A., Bhutta A.I., Sheikh M.F., Sultan J.	Corporate real estate investment and firm performance: empirical evidence from listed non financial firms of Pakistan	2023	Journal of Corporate Real Estate	25	3	246	262
417.	Gill W.A., Janjua M.R.S.A.	Ab Initio Calculations of the Interaction Potential of the N2O-N2O Dimer: Strength of the Intermolecular Interactions and Physical Insights	2023	Journal of Physical Chemistry A	127	30	6175	6185
418.	Sheteiwy M.S., Basit F., El-Keblawy A., JoÅko I., Abbas S., Yang H., Korany S.M., Alsherif E.A., Dawood M.F.A., AbdElgawad H.	Elevated CO2 differentially attenuates beryllium- induced oxidative stress in oat and alfalfa	2023	Physiologia Plantarum	175	5		
419.	Ashraf M.A., Hafeez A., Rasheed R., Hussain I., Farooq U., Rizwan M., Ali S.	Effect of exogenous taurine on growth, oxidative defense, and nickel (Ni) uptake	2023	Physiology and Molecular Biology of Plants	29	8	1135	1152

		in canola (Brassica napus L.) under Ni stress						
420.	Islam F., Imran A., Khalid M.A., Afzaal M., Fatima M., Chauhan A., Biswas S., Zahra S.M., Shehzadi U., Ateeq H., Shah M.A., Ojukwu M.	Green Energy Process "Ozonation" and Food Safety: A Comprehensive Review	2023	Current Research in Nutrition and Food Science	11	2	488	503
421.	Xu X., Hu Y., Tahir S.H.	Nexus between Ease of Doing Business and Foreign Direct Investment: Evidence from 130 Economies	2023	E3S Web of Conferences	409			
422.	Mehreen A., Kamal S., Musayeva Vagif S., Siddique A.R., Jabbar R., Ural N. S.	Phytochemical and Antimicrobial Study of Glycosmis mauritiana (Lam.) Tanaka [Glycosmis mauritiana (Lam.) Tanaka'nın Fitokimyasal ve Antimikrobiyal Etkileri]	2023	Fabad Journal of Pharmaceutical Sciences	48	2	279	284
423.	Murtaza M., Hussain A.I., Kamal G.M., Nazir S.,	Potential Applications of Microencapsulate	2023	Coatings	13	8		

	Chatha S.A.S., Asmari M., Uddin J., Murtaza S.	d Essential Oil Components in Mosquito Repellent Textile Finishes						
424.	Razzaque A., Razaq A., Khalid A., Masmali I., Shuaib U., Alhamzi G.	Selecting an Optimal Approach to Reduce Drivers of Climate Change in a Complex Intuitionistic Fuzzy Environment	2023	Sustainability (Switzerland)	15	16		
425.	Raza M., Tariq M., Ro J.-S., Tchier F., Malik S.N.	Starlike Functions Associated with Bernoulli's Numbers of Second Kind	2023	Axioms	12	8		
426.	Aslam B., Hussain A., Bari M.U., Faisal M.N., Sindhu Z.U.D., Alonaizan R., Al-Akeel R.K., Naz S., Khan R.U.	Anti-Pyretic, Analgesic, and Anti- Inflammatory Activities of Meloxicam and Curcumin Co- Encapsulated PLGA Nanoparticles in Acute Experimental Models	2023	Metabolites	13	8		
427.	El-Seedi H.R., El- Mallah M.F., Yosri	Review of Marine Cyanobacteria	2023	Marine Drugs	21	8		

	N., Alajlani M., Zhao C., Mehmood M.A., Du M., Ullah H., Daglia M., Guo Z., Khalifa S.A.M., Shou Q.	and the Aspects Related to Their Roles: Chemical, Biological Properties, Nitrogen Fixation and Climate Change						
428.	Wasim M.S., Amjad M., Abbasi M.A., Bhatti A.R., Rasool A.	An improved grasshopper-based MPPT approach to reduce tracking time and startup oscillations in photovoltaic system under partial shading conditions	2023	PLoS ONE	18	45512		
429.	Saeed S., Zahoor A.F., Kamal S., Raza Z., Bhat M.A.	Unfolding the Antibacterial Activity and Acetylcholinesterase Inhibition Potential of Benzofuran-Triazole Hybrids: Synthesis, Antibacterial, Acetylcholinesterase Inhibition, and Molecular Docking Studies	2023	Molecules	28	16		
430.	Afzal B., Nisa Z.U.,	Magnetic Seed	2023	Agronomy	13	8		

	Bashir R., Ali N., Mahmood S., Azeem M., Batool F., Wahid A., Iqbal M., Alsahli A.A., Kaushik P.	Treatment Modulates Phenolic and Fatty Acid Metabolism of Sunflower under Water Scarcity						
431.	Akolade M.T., Olabode J.O., Tijani Y.O., Akhtar T.	Bioconvection in Eyringâ€Powell fluid with composite features of variable viscosity and motile microorganism density	2023	European Physical Journal Plus	138	8		
432.	Khadimallah M.A., Hussain M., Ali E., Asghar S., Tounsi A.	Recommendation for the modelling of Donnell shell: The relationship between non-local parameter and frequency	2023	Computers and Concrete	32	2	165	172
433.	Akash M.S.H., Fatima M., Rehman K., Rehman Q., Chauhdary Z., Nadeem A., Mir T.M.	Resveratrol Mitigates Bisphenol A-Induced Metabolic Disruptions: Insights from Experimental Studies	2023	Molecules	28	15		
434.	Munir R., Zahoor A.F., Javed S.,	Simmonsâ€Smit h	2023	Molecules	28	15		

	Parveen B., Mansha A., Irfan A., Khan S.G., Irfan A., Kotwica- Mojzych K., Mojzych M.	Cyclopropanation : A Multifaceted Synthetic Protocol toward the Synthesis of Natural Products and Drugs: A Review						
435.	Tariq A., Salman M., Mustafa G., Tawab A., Naheed S., Naz H., Shahid M., Ali H.	Agonistic antibacterial potential of Loigolactobacillus coryniformis BCH-4 metabolites against selected human pathogenic bacteria: An in vitro and in silico approach	2023	PLoS ONE	18	45512		
436.	Massud A., Khan A.H., Syed Sulaiman S.A., Ahmad N., Shafqat M., Ming L.C.	Unsuccessful treatment outcome and associated risk factors. A prospective study of DR-TB patients from a high burden country, Pakistan	2023	PLoS ONE	18	45512		
437.	Hao Y., Pan Y., Chen W., Rashid M.A.R., Li M., Che	Contribution of Duplicated Nucleotide-	2023	Plants	12	15		

	N., Duan X., Zhao Y.	Binding Leucine-Rich Repeat (NLR) Genes to Wheat Disease Resistance						
438.	Wang N., Li L., Zhang P., Mehmood M.A., Lan C., Gan T., Li Z., Zhang Z., Xu K., Mo S., Xia G., Wu T., Zhu H.	In-silico annotation of the chemical composition of Tibetan tea and its mechanism on antioxidant and lipid-lowering in mice	2023	Nutrition Research and Practice	17	4	682	697
439.	Shah S., Abbas G., Aslam A., Randhawa F.A., Khan F.U., Khurram H., Chand U.R., Butt M.H., Mallhi T.H., Khan Y.H.	Assessment of health-related quality of life among patients with obesity, hypertension and type 2 diabetes mellitus and its relationship with multimorbidity	2023	PLoS ONE	18	45512		
440.	Shahzadi M., Hafeez S., Abbas Q., Ehsaan S., Khan M.U.	The leading role of evidence-based practices in the treatment of patients with substance use disorders: A systematic review	2023	Journal of the Pakistan Medical Association	73	8	1675	1683
441.	Ahmad A., Zhang J., Bashir B.,	Exploring vegetation trends	2023	Environmental Science and Pollution Research	30	40	91915	91928

	Mahmood K., Mumtaz F.	and restoration possibilities in Pakistan by using Hurst exponent						
442.	Riaz Y., Barkaat S., Adeel S., Fazal-ur-Rehman, Ibrahim M., Zuber M., Ozomay M., Khattak S.P.	Anar Phali (Opuntia ficus) juice extract as a novel pollution-free source of natural betalain dye for wool yarn	2023	Environmental Science and Pollution Research	30	40	92084	92094
443.	Ijaz M.U., Hayat M.F., Almutairi B.O., Almutairi M.H., Riaz M.N., Anwar H.	Evaluation of possible palliative role of tamarixetin against cisplatin-induced renal toxicity by modulation of oxidative stress, inflammation and apoptosis in rats	2023	Journal of King Saud University - Science	35	6		
444.	Sellak L., Khabba A., Chabaa S., Ibnyaich S., Sarosh A., Zeroual A., Baddou A.	ANFIS-Based 4 Å— 4 Dual Band Circular MIMO Antenna Design with Pretty-Small Size and Large Bandwidth for 5Â G Millimeter-Wave Applications at 28/38 GHz	2023	Journal of Infrared, Millimeter, and Terahertz Waves	44	45481	551	601
445.	Zarbab A., Sajjad	Synthesis and	2023	Saudi Journal of Biological Sciences	30	8		

	A., Rasul A., Jabeen F., Javaid Iqbal M.	characterization of Guar gum based biopolymeric hydrogels as carrier materials for controlled delivery of methotrexate to treat colon cancer						
446.	Ashraf M.A., Ibrahim S.M., Rasheed R., Rizwan M., Hussain I., Ali S.	Effect of seed priming by taurine on growth and chromium (Cr) uptake in canola (Brassica napus L.) under Cr stress	2023	Environmental Science and Pollution Research	30	37	8785 1	87865
447.	Zulfiqar M., Tahir S.H., Ullah M.R., Ghafoor S.	Digitalized world and carbon footprints: does digitalization really matter for sustainable environment?	2023	Environmental Science and Pollution Research	30	38	8878 9	88802
448.	Saadullah M., Fakhar-e-Alam M., Muzammil S., Asif M., Siddique M.H., Rashad M., Atif M., Sayyid A.H., Afzal M.	Evaluation of molecular mechanisms responsible for in vivo anti-Alzheimer's property of	2023	Journal of King Saud University - Science	35	6		

		Euphorbia cotinifolia methanol extract						
449.	Shafiq F., Ahmad A., Anwar S., Nisa M.-U., Iqbal M., Raza S.H., Mahmood A., Ashraf M.	Spinel nanocomposite (nMnZnFe2O4) synchronously promotes grain yield and Fe"Zn biofortification in non-aromatic rice	2023	Plant Physiology and Biochemistry	201			
450.	Junaid M., Abbas Z., Siddiqui J.A., Liu S., Tabraiz S., Yue Q., Wang J.	Ecotoxicological impacts associated with the interplay between micro(nano)plasti cs and pesticides in aquatic and terrestrial environments	2023	TrAC - Trends in Analytical Chemistry	165			
451.	Akash M.S.H., Akbar M., Rehman K., Shah M.A., Panichayupakarana nt P., Imran M., Assiri M.A.	Biochemical profiling of berberine- enriched extract in aluminum chloride induced oxidative damage and neuroinflammati on	2023	Environmental Science and Pollution Research	30	36	8526 3	85275
452.	Arfan M., Khaleel N., Ghaffar A., Alsaif F.K., Khan Y.,	Scattering of Laguerre"Gaus sian Beam by a	2023	Iranian Journal of Science	47	4	1421	1430

	Alsulamy S.	Topological Insulator Cylinder Coated with Metamaterials						
453.	Ramzan N., Azeem M., Mahmood K., Shah S., Chughtai F.R.S., Hanif M., Ameer N., Bashir Z., Siddique F., Qaisar M.	Cellular and Non-cellular Antioxidant Properties of Vitamin Eâ€“Loaded Metallic-Quercetin/Polycaprolactone Nanoparticles for the Treatment of Melanogenesis	2023	AAPS PharmSciTech	24	6		
454.	Sadiq A., Arshad M.S., Amjad R.B., Munir H., Rohi M., Khalid W., Nadeem M.T., Suleria H.A.R.	Impact of gamma irradiation and guava leaf extract on the quality and storage stability of chicken patties	2023	Food Science and Nutrition	11	8	4485	4501
455.	Alshegaihi R.M., Mfarrej M.F.B., Saleem M.H., Parveen A., Ahmad K.S., Ali B., Abeed A.H.A., Alshehri D., Alghamdi S.A., Alghanem S.M.S., Lone J.A., Soliman T.M.A., Soudy F.A.	Effective citric acid and EDTA treatments in cadmium stress tolerance in pepper (<i>Capsicum annuum</i> L.) seedlings by regulating specific gene	2023	South African Journal of Botany	159		367	380

		expression						
456.	Al-Qurashi M., Asif Q.U.A., Chu Y.-M., Rashid S., Elagan S.K.	Complexity analysis and discrete fractional difference implementation of the Hindmarsh-Rose neuron system	2023	Results in Physics	51			
457.	Tahir S., Ashfaq A., Mushtaq S., Haneef M., Saleh Alqurashi R., Ali Shokralla E., Sabugaa M.M., Almufarij R.S., Rehman U.U., Bonilla R.S.	Performance Optimization of Inorganic Cs ₂ TiBr ₆ Based Perovskite Solar Cell via Numerical Simulation	2023	Energy Technology	11	8		
458.	Ijaz U., Ahmed T., Rizwan M., Noman M., Shah A.A., Azeem F., Alharby H.F., Bamagoos A.A., Alharbi B.M., Ali S.	Rice straw based silicon nanoparticles improve morphological and nutrient profile of rice plants under salinity stress by triggering physiological and genetic repair mechanisms	2023	Plant Physiology and Biochemistry	201			
459.	Saleem S., Hussain F., Irfan M.,	Theoretical investigation of	2023	Case Studies in Thermal Engineering	48			

	Siddique I., Nazeer M., Eldin S.M.	heat transfer analysis in Ellis nanofluid flow through the divergent channel						
460.	Asif A., Afzaal M., Shahid H., Saeed F., Ahmed A., Shah Y.A., Ejaz A., Ghani S., Ateeq H., Khan M.R.	Probing the functional and therapeutic properties of postbiotics in relation to their industrial application	2023	Food Science and Nutrition	11	8	4472	4484
461.	Sajjad A., Jabeen F., Ali M., Zafar S.	DNA barcoding and phylogenetics of Wallago attu using mitochondrial COI gene from the River Indus	2023	Journal of King Saud University - Science	35	6		
462.	Jamil M., Almufarij R.S., Ali A., Ashfaq A., Mahmood K., Fahmy M.A., Sabugaa M.M., Alqurashi R.S., Shokralla E.A., Algethami O.A.	Improving the Recombination Losses by the Inclusion of Bi-HTM (CuO/Silicon) Layers for Formamidinium Tin-Based Perovskite Solar Cells	2023	Advanced Theory and Simulations	6	8		
463.	Khan M.T.I., Anwar	Natural disasters,	2023	Natural Hazards	118	1	611	640

	S., Sarkodie S.A., Yaseen M.R., Nadeem A.M., Ali Q.	resilience- building, and risk: achieving sustainable cities and human settlements						
464.	Azeem M., Javed S., Zahoor A.F.	Bacillus Species as Potential Plant Growth Promoting Rhizobacteria for Drought Stress Resilience	2023	Russian Journal of Plant Physiology	70	4		
465.	Munir Sajid M., Zhai H., Iqbal M.A., Akhtar Shad N., Javed Y., Raza Ishaq A., Abd Alreda B., Morsy K., Choi J.R.	Experimental insights on the synthesis and characteristics of Fe ¹ ˆˆxBixVO4 photocatalysts for efficient environmental and electrical applications	2023	Arabian Journal of Chemistry	16	8		
466.	Naqvi S.A.A., Hussain M., Hussain B., Shah S.A.R., Nazir J., Usman M.	Environmental sustainability and biomass energy consumption through the lens of pollution Haven hypothesis and renewable energy- environmental kuznets curve	2023	Renewable Energy	212		621	631

467.	Siddique R., Mehmood M.H., Hussain L., Malik A., Sethi A., Farrukh M., Kousar S.	Role of medicinal herbs and phytochemicals in post burn management	2023	Inflammopharmacology	31	4	1695	1714
468.	Rehman U.U., Sahar K.U., Mahmood K., Kanwal M., Ashfaq A., Iqbal M.F., Wang H., Al-Zaqri N., Hussain E., Khan A.A.	Effect of Ni and Mn dopant on thermoelectric power generation performance of ZnO nanostructures synthesized via hydrothermal method	2023	Materials Chemistry and Physics	304			
469.	Javed M., Saleem A., Akhtar M.F.	Diosgenin, a steroidal sapogenin, arrests arthritis through modulation of inflammatory cytokines and oxidative stress biomarkers in Wistar rats	2023	Inflammopharmacology	31	4	1951	1966
470.	Arooj B., Asghar S., Saleem M., Khalid S.H., Asif M., Chohan T., Khan I.U., Zubair H.M., Yaseen H.S.	Anti- inflammatory mechanisms of eucalyptol rich Eucalyptus globulus essential oil alone and in	2023	Inflammopharmacology	31	4	1849	1862

		combination with flurbiprofen						
471.	Babar Q., Saeed A., Tabish T.A., Sarwar M., Thorat N.D.	Targeting the tumor microenvironment: Potential strategy for cancer therapeutics	2023	Biochimica et Biophysica Acta - Molecular Basis of Disease	1869	6		
472.	Shafiq Z., Ali Raza Naqvi S., Ramzan Saeed Ashraf Janjua M., Jamil S.	First theoretical engineering of robust C-C single bond-based acceptor materials for efficient organic photovoltaics	2023	Journal of Photochemistry and Photobiology A: Chemistry	442			
473.	Bano F., Yaqoob J., Hussain R., Bourass M., Alhokbany N., Shafiq Z., Janjua M.R.S.A., Khan M.U.	Doping superalkalis on chlorine substituted coronene: Interactive design computation of new NLO materials for optoelectronics	2023	Journal of Photochemistry and Photobiology A: Chemistry	442			
474.	Waris Z., Noreen Z., Shah A.A., Usman S., Shah A.N., Rizwan M., Casini R., Elansary H.O.	Efficacy of $\hat{I}^3$ -Aminobutyric Acid (GABA) on Physio-biochemical Attributes of Lettuce (Lactuca	2023	Journal of Plant Growth Regulation	42	8	5041	5057

		sativa L.) Under Cadmium Toxicity						
475.	Afnan A., Saleem A., Akhtar M.F.	Chrysin, a 5,7-dihydroxyflavone restrains inflammatory arthritis in rats via subsiding oxidative stress biomarkers and inflammatory cytokines	2023	Inflammopharmacology	31	4	1863	1878
476.	Saleem S., Ayub M., Raziq M.M., Iqbal M.Z.	A multilevel study of authentic leadership, collective efficacy, and team performance and commitment	2023	Current Psychology	42	22	1847 3	18487
477.	Afzal F., Ashraf M., Manzoor S., Aziz H., Nosheen A., Riaz S.	Development of novel antiviral nanofinishes for bioactive textiles	2023	Polymer Bulletin	80	8	8447	8466
478.	Nawaz M., Imran M., Rauf A., Shehzad S.A.	Dynamics of slip phenomenon in micropolar nanofluid flowing over a stretchable disk with Arrhenius activation energy	2023	Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering	237	4	1158	1167
479.	Niu L., Liu J., Xia W., Salamat S.	Formation Mechanism of	2023	International Journal of Mental Health and Addiction	21	4	2389	2417

		Attentional Bias Toward Safety Based on the Stressor-Emotion Model: the Moderating Effect of Positive Followership Trait						
480.	Yasmin T., Asghar A., Ahmad M.S., Mehmood M.A., Nawaz M.	Biorefinery potential of Typha domingensis biomass to produce bioenergy and biochemicals assessed through pyrolysis, thermogravimetry, and TG-FTIR-GCMS-based study	2023	Biomass Conversion and Biorefinery	13	12	10957	10969
481.	Javaid M.A., Jabeen S., Arshad N., Zia K.M., Hussain M.T., Bhatti I.A., Iqbal A., Ahmad S., Ullah I.	Development of amylopectin based polyurethanes for sustained drug release studies	2023	International Journal of Biological Macromolecules	244			
482.	Akash M.S.H., Rasheed S., Rehman K., Imran M., Assiri M.A.	Toxicological evaluation of bisphenol analogues: preventive	2023	RSC Advances	13	31	21613	21628

		measures and therapeutic interventions						
483.	Assiri M.A., Ali A., Ibrahim M., Khan M.U., Ahmed K., Hamid Akash M.S., Abbas M.A., Javed A., Suleman M., Khalid M., Hussain I.	Potential anticancer and antioxidant lauric acid-based hydrazone synthesis and computational study toward the electronic properties	2023	RSC Advances	13	31	2179 3	21807
484.	Majeed S., Qaiser M., Shahwar D., Mahmood K., Ahmed N., Hanif M., Abbas G., Shoaib M.H., Ameer N., Khalid M.	Chitosan-coated halloysite nanotube magnetic microspheres for carcinogenic colorectal hemorrhage and liver laceration in albino rats	2023	RSC Advances	13	31	2152 1	21536
485.	Malik A.N., Tahir M.N., Ali A., Ashfaq M., Ibrahim M., Kuznetsov A.E., Assiri M.A., Sameeh M.Y.	Preparation, Crystal Structure, Supramolecular Assembly, and DFT Studies of Two Organic Salts Bearing Pyridine and Pyrimidine	2023	ACS Omega	8	28	2503 4	25047
486.	Nazeer Z., Bibi I., Majid F., Kamal S., Arshad M.I.,	Optical, Photocatalytic, Electrochemical,	2023	ACS Omega	8	28	2498 0	24998

	Ghafoor A., Alwadai N., Ali A., Nazir A., Iqbal M.	Magnetic, Dielectric, and Ferroelectric Properties of Cd- and Er-Doped BiFeO3 Prepared via a Facile Microemulsion Route						
487.	Rasool S., Imran M., Haider A., Shahzadi A., Nabgan W., Shahzadi I., Medina F., Algaradah M.M., Fouda A.M., Al-Shanini A., Ikram M.	Efficient Dye Degradation and Antibacterial Activity of Carbon Dots/Chitosan- Doped La2O3 Nanorods: In Silico Molecular Docking Analysis	2023	ACS Omega	8	28	2540 1	25409
488.	Rizwan A., Ijaz M.U., Hamza A., Anwar H.	Attenuative effect of astilbin on polystyrene microplastics induced testicular damage: Biochemical, spermatological and histopathological- based evidences	2023	Toxicology and Applied Pharmacology	471			
489.	Khan S.A., Yasmin S., Imran M., Muhammad T., Alhushaybari A., Farooq U., Waqas	Computational analysis of natural convection with water based	2023	Journal of Molecular Liquids	382			

	H.	nanofluid in a square cavity with partially active side walls: Applications to thermal storage						
490.	Zia-ur-Rehman M., Bani Mfarrej M.F., Usman M., Azhar M., Rizwan M., Alharby H.F., Bamagoos A.A., Alshamrani R., Ahmad Z.	Exogenous application of low and high molecular weight organic acids differentially affected the uptake of cadmium in wheat-rice cropping system in alkaline calcareous soil	2023	Environmental Pollution	329			
491.	Junaid M., Siddiqui J.A., Liu S., Lan R., Abbas Z., Chen G., Wang J.	Adverse multigeneration combined impacts of micro(nano)plastics and emerging pollutants in the aquatic environment	2023	Science of the Total Environment	882			
492.	Farooq N., Anwar F., Saleem U., Ashfaq M., Shafi A., Ismail T.	The wound healing potential of Hedychium spicatum Sm. and Zinnia peruviana (L.) ethanolic	2023	Journal of Ethnopharmacology	311			

		extracts against excision wound model in rats						
493.	Saleem S., Anwar F., Khan A., Saleem U., Akhtar M.F., Shahzadi I., Ismail T.	Toxicity profiling of Burgmansia aurea Lagerh. Leaves using acute and sub-acute toxicity studies in rats	2023	Journal of Ethnopharmacology	311			
494.	Rashid S., Kubra K.T., Abualnaja K.M.	Fractional view of heat-like equations via the Elzaki transform in the settings of the Mittag-Leffler function	2023	Mathematical Methods in the Applied Sciences	46	10	11420	11441
495.	Gill W.A., Janjua M.R.S.A.	Exploring the Adsorption Mechanism of N2O on Graphene: A DFT Study on Circum-Coronene for Catalysis, Sensing, and Energy Storage Applications	2023	Journal of Physical Chemistry A	127	26	5591	5601
496.	Mehmood Y., Shahid H., Abbas M., Farooq U., Alshehri S., Alam P., Shakeel F.,	Developing Nanosuspension Loaded with Azelastine for Potential Nasal	2023	ACS Omega	8	26	23812	23824

	Ghoneim M.M.	Drug Delivery: Determination of Proinflammatory Interleukin IL-4 mRNA Expression and Industrial Scale-Up Strategy						
497.	Aziz A., Noreen S., Khalid W., Ejaz A., Faiz ul Rasool I., Maham N., Munir A., Farwa N., Javed M., Ercisli S., Okcu Z., Marc R.A., Nayik G.A., Ramniwas S., Uddin J.	Pumpkin and Pumpkin Byproducts: Phytochemical Constitutes, Food Application and Health Benefits	2023	ACS Omega	8	26	23346	23357
498.	Riaz A., Ali F., Ashfaq K., Bhatti A., Rehman S.U.	Eco-innovation of food processing and manufacturing SMEs	2023	British Food Journal	125	8	2988	3006
499.	Isram M., Demontis V., Magrin Maffei R., Abbas Khan N., di Bona A., Benedetti S., Amin N., Mahmood K., Rossella F.	Unveiling the Thermoelectric Performances of Zn _{1-x} Fe _x Se Nanoparticles Prepared by the Hydrothermal Method	2023	Inorganics	11	7		
500.	Jiang C., Wang Y., Zhou J., Rashid M.A.R., Li Y., Peng Y., Xie L., Zhou G., He Y., Sun W.,	Genome-Wide Scan for Genetic Signatures Based on the Whole-Genome	2023	Agronomy	13	7		

	Zheng C., Xie X.	Resequencing of Salt- and Drought-Tolerant Rice Varieties						
501.	Saleem Z., Haseeb A., Abuhussain S.S.A., Moore C.E., Kamran S.H., Qamar M.U., Azmat A., Pichierri G., Raees F., Asghar S., Saeed A., Amir A., Hashmi F.K., Meyer J.C., Sefah I.A., Rehman I.U., Nadeem M.U., Godman B.	Antibiotic Susceptibility Surveillance in the Punjab Province of Pakistan: Findings and Implications	2023	Medicina (Lithuania)	59	7		
502.	Akram M., Chishti M., Ali S.	Exercise and cognition in elderly	2023	Journal of Datta Meghe Institute of Medical Sciences University	18	3	531	538
503.	Vivas-Cortez M., Ali N.Z., Khan A.G., Awan M.U.	Numerical Analysis of New Hybrid Algorithms for Solving Nonlinear Equations	2023	Axioms	12	7		
504.	Shahid G., Yousaf M., Anwar H., Mukhtar I., Basit A.	Condiment Recipes Lead to Reduced Generation of Carcinogenic Polycyclic Aromatic Hydrocarbons in	2023	Dose-Response	21	3		

		Duck Variety Meat During Charcoal Grilling						
505.	Nawaz R., Nasim I., Irfan A., Islam A., Naeem A., Ghani N., Irshad M.A., Latif M., Nisa B.U., Ullah R.	Water Quality Index and Human Health Risk Assessment of Drinking Water in Selected Urban Areas of a Mega City	2023	Toxics	11	7		
506.	Abbas S., Basit F., Tanwir K., Zhu X., Hu J., Guan Y., Hu W., Sheteiwy M.S., Yang H., El-Keblawy A., El-Tarabily K.A., AbuQamar S.F., Lou J.	Exogenously applied sodium nitroprusside alleviates nickel toxicity in maize by regulating antioxidant activities and defense-related gene expression	2023	Physiologia Plantarum	175	4		
507.	Mehmood Y., Shahid H., Yousaf H., Riaz H., Farooq U., Mahmood Arshad R.K., Ahmad W.	RP-HPLC method to assay ethinylestradiol and drospirenone with 3D chromatograph model in fixed dose in rat plasma for pharmacokinetic study analysis	2023	Pakistan journal of pharmaceutical sciences	36	4	1319	1324
508.	Ahsan H., Qaisar M.N., Fu D., Imran	Hepatoprotective potential of	2023	Pakistan Journal of Pharmaceutical Sciences	36	4	1227	1232

	M., Tahir M.A., Ashfaq K., Naqvi F., Manan M.	Anagallis arvensis (L.) extract against carbon tetrachloride (CCl4)-induced hepatic injury and oxidative stress in rabbits						
509.	Taj Z., Rasool M.H., Khurshid M., Aslam B., Qamar M.U.	Insights into the Intersection of Biocide Resistance, Efflux Pumps, and Sequence Types in Carbapenem- Resistant Acinetobacter baumannii: A Multicenter Study	2023	Pathogens	12	7		
510.	Rashid A., Khalid S.H., Irfan M., Asghar S., Rizg W.Y., Sabei F.Y., Alfayez E., Alkharobi H., Safhi A.Y., Hosny K.M., Arshad M.S., Khan I.U.	In Vitro and In Vivo Evaluation of Composite Oral Fast Disintegrating Film: An Innovative Strategy for the Codelivery of Ranitidine HCl and Flurbiprofen	2023	Pharmaceutics	15	7		
511.	Razzaque A., Alhamzi G., Javaid S., Shuaib U., Razaq	Optimizing Emergency Plane Selection in Civil	2023	Symmetry	15	7		

	A., Masmali I., Noor S.	Aviation Using Extended Dombi Hybrid Operators						
512.	Mudassir J., Raza A., Khan M.A., Hameed H., Shazly G.A., Irfan A., Rana S.J., Abbas K., Arshad M.S., Muhammad S., Bin Jardan Y.A.	Design and Evaluation of Hydrophobic Ion Paired Insulin Loaded Self Micro- Emulsifying Drug Delivery System for Oral Delivery	2023	Pharmaceutics	15	7		
513.	Mehmood Y., Shahid H., Arshad N., Rasul A., Jamshaid T., Jamshaid M., Jamshaid U., Uddin M.N., Kazi M.	Amikacin-Loaded Chitosan Hydrogel Film Cross-Linked with Folic Acid for Wound Healing Application	2023	Gels	9	7		
514.	Khurm M., Guo Y., Wu Q., Zhang X., Ghori M.U., Rasool M.F., Imran I., Saqib F., Wahid M., Guo Z.	Conocarpus lancifolius (Combretaceae): Pharmacological Effects, LC-ESI- MS/MS Profiling and In Silico Attributes	2023	Metabolites	13	7		
515.	Faraz M.I., Alhamzi G., Imtiaz A., Masmali I., Shuaib U., Razaq A., Razzaque A.	A Decision- Making Approach to Optimize COVID-19 Treatment Strategy under a Conjunctive	2023	Symmetry	15	7		

		Complex Fuzzy Environment						
516.	Vivas-Cortez M., Murtaza G., Baig G.M., Awan M.U.	Raina's Function-Based Formulations of Right-Sided Simpson's and Newton's Inequalities for Generalized Coordinated Convex Functions	2023	Symmetry	15	7		
517.	Munawwar A., Sajjad A., Rasul A., Sattar M., Jabeen F.	Dissecting the Role of SMYD2 and Its Inhibitor (LLY-507) in the Treatment of Chemically Induced Non-Small Cell Lung Cancer (NSCLC) by Using Fe3O4 Nanoparticles Drug Delivery System	2023	Pharmaceuticals	16	7		
518.	Razzaque A., Masmali I., Hassan R., Shuaib U., Razaq A., Alhamzi G., Noor S.	A Modern Strategy for the Selection of Efficacious Solar Panels at Industrial Level under an Interval-Valued Picture Fuzzy Set	2023	Energies	16	14		

		Hybrid Environment						
519.	Vivas-Cortez M., Ramzan S., Awan M.U., Javed M.Z., Khan A.G., Noor M.A.	I.V-CR- $\tilde{I}^3$ -Convex Functions and Their Application in Fractional Hermiteâ€™Hadamard Inequalities	2023	Symmetry	15	7		
520.	Iftikhar S., Awan M.U., Budak H.	Exploring Quantum Simpson-Type Inequalities for Convex Functions: A Novel Investigation	2023	Symmetry	15	7		
521.	Mustafa G., Mahrosh H.S., Salman M., Ali M., Arif R., Ahmed S., Ebaid H.	In Silico Analysis of Honey Bee Peptides as Potential Inhibitors of Capripoxvirus DNA-Directed RNA Polymerase	2023	Animals	13	14		
522.	Abduvokhidov D., Yusupov M., Shahzad A., Attri P., Shiratani M., Oliveira M.C., Razzokov J.	Unraveling the Transport Properties of RONS across Nitro-Oxidized Membranes	2023	Biomolecules	13	7		
523.	Umar U., Ahmed S., Iftikhar A., Iftikhar M., Majeed W., Liaqat A., Shahzad	Phenolics Extracted from Jasminum sambac Mitigates	2023	Molecules	28	14		

	S., Abbas M., Mehmood T., Anwar F.	Diabetic Cardiomyopathy by Modulating Oxidative Stress, Apoptotic Mediators and the Nfr-2/HO-1 Pathway in Alloxan-Induced Diabetic Rats						
524.	Habib N., Adeel S., Ali A., Mia R., Khan S.R., Qayyum M.A.	Ultrasonic- assisted sustainable pollution free advanced method for isolation of colouring material from Amba Haldi (Curcuma aromatica) for wool dyeing	2023	Science Progress	106	3		
525.	Younis H., Khan H.U., Maheen S., Saadullah M., Shah S., Ahmad N., Alshehri S., Majrashi M.A.A., Alsalhi A., Siddique R., Andleeb M., Shabbir S., Abbas G.	Fabrication, Characterization and Biomedical Evaluation of a Statistically Optimized Gelatin Scaffold Enriched with Co- Drugs Loaded into Controlled- Release Silica	2023	Molecules	28	13		

		Nanoparticles						
526.	Saeed M., Pecho R.D.C., Panchal S., Alhag S.K., Al-Shuraym L.A., Al Syaad K.M., Bhutta U.H.	Synthesis of Ag-OMS Catalyst for Sunlight-Assisted Photodegradation of Crystal Violet Dye	2023	Water (Switzerland)	15	13		
527.	Jabeen T., Aslam S., Yaseen M., Jawwad Saif M., Ahmad M., Al-Hussain S.A., Zaki M.E.A.	Recent synthetic strategies of medicinally important imidazothiadiazoles	2023	Journal of Saudi Chemical Society	27	4		
528.	Qiao X., Mahmood F., Ahmad B., Bashir M., Bari M.W.	Workplace conflicts and knowledge hiding: Mediating role of relational psychological contract breach	2023	Heliyon	9	7		
529.	Ashfaq A., Ali Shokralla E., Ali A., Sabugaa M.M., Abdelsabour Fahmy M., A. M. Abdelmohsen S., Yasir Ali M., Baig A., Algethami O.A., Abboud M.	Enhanced thermoelectric performance of P-type SnTe thin film through Sr doping and Post-Annealing treatment	2023	Inorganic Chemistry Communications	153			
530.	Ikram A., Khalid W., Wajeeha Zafar K.-U., Ali A., Afzal M.F., Aziz A.,	Nutritional, biochemical, and clinical applications of carob: A review	2023	Food Science and Nutrition	11	7	3641	3654

	FaizÂ ulÂ Rasool I., Al-Farga A., Aqlan F., Koraqi H.							
531.	Ahmad H., Bilal M., Maqbool T., Rasool N., Adnan Ali Shah S., Amiruddin Zakaria Z.	Recent advances on copper- catalyzed asymmetric synthesis and their potential biological applications	2023	Journal of Saudi Chemical Society	27	4		
532.	Mehmood Y., Shahid H., Tahir M.A., Abbas M., Farooq U., Khan Z.M., Yousaf H., Uddin M.N., Kazi M.	Remdesivir nanosuspension for potential nasal drug delivery: determination of pro-inflammatory interleukin IL-4 mRNA expression and industrial scale-up strategy	2023	Journal of Nanoparticle Research	25	7		
533.	Luan Nguyen T., Anam A., Hofdey Megbes F., Mourad Mohammed I., Abed A.S., Imran Mallhi A., Abdullateef Alzubaidi M., Ali Amir A., Ayub A., Arshad M., Rauf A., Ha Pham Thi H.	Structural Diversity, Spectral Data, and Pharmacological Effects of Genus Nigella	2023	Chemistry and Biodiversity	20	7		
534.	Ashfaq A.,	High	2023	International Communications in Heat and	146			

	Almufarij R.S., Ali M.Y., Ali A., Tahir S., Sabugaa M.M., Fahmy M.A., Shokralla E.A., Ragab A.H., El-Refaey D.E., Mahmood K.	thermoelectric power factor of n-type Bi ₂ (Se,S) ₃ via synergetic influence on the charge carrier concentration and energy filtering effect		Mass Transfer				
535.	Basha B., Jacob J., Tanveer Z., Ali A., Amin N., Javaid K., Ikram S., Mahmood K., Ahmad A.U., Al-Buriah M.S., Alrowaili Z.A., Wang H., Sun Y.	Effect of source to the substrate distance on thermoelectric properties of copper nitride thin films grown by thermal evaporation method	2023	Journal of Materials Research and Technology	25		265	272
536.	Ijaz M.U., Mustafa S., Ain Q.U., Hamza A., Ahmed H., Abdel-Daim M.M., Albadrani G.M., Najda A., Ali S.	Eriodictyol attenuates Furan induced testicular toxicity in Rats: Role of oxidative stress, steroidogenic enzymes and apoptosis	2023	Ecotoxicology and Environmental Safety	259			
537.	Mehr-un-Nisa, Shafiq F., Anwar S., Mahmood A., Iqbal M., Ullah K., Zulqarnain M., Haider I., Ashraf	Physiological effects of some engineered nanomaterials on radish (Raphanus sativus L.)	2023	Environmental Science and Pollution Research	30	32	7835 3	78366

	M., Zhang L.	intercropped with pea (<i>Pisum sativum</i> L.)						
538.	Sarfraz M.H., Muzammil S., Hayat S., Khurshid M., Sayyid A.H.	Fabrication of chitosan and <i>Trianthema portulacastrum</i> mediated copper oxide nanoparticles: Antimicrobial potential against MDR bacteria and biological efficacy for antioxidant, antidiabetic and photocatalytic activities	2023	International Journal of Biological Macromolecules	242			
539.	Alatawi A., Mfarrej M.F.B., Alshegaihi R.M., Asghar M.A., Mumtaz S., Yasin G., Marc R.A., Fahad S., Elsharkawy M.M., Javed S., Ali S.	Application of silicon and sodium hydrosulfide alleviates arsenic toxicity by regulating the physio-biochemical and molecular mechanisms of <i>Zea mays</i>	2023	Environmental Science and Pollution Research	30	31	7655 5	76574
540.	Afreen V., Hashmi K., Nasir R., Saleem A., Khan M.I.,	Adverse health effects and mechanisms of	2023	Environmental Science and Pollution Research	30	31	7628 3	76296

	Akhtar M.F.	microplastics on female reproductive system: a descriptive review						
541.	Sadaqat M., Qasim M., Tahir ul Qamar M., Masoud M.S., Ashfaq U.A., Noor F., Fatima K., Allemailem K.S., Alrumaihi F., Almatroudi A.	Advanced network pharmacology study reveals multi-pathway and multi-gene regulatory molecular mechanism of Bacopa monnieri in liver cancer based on data mining, molecular modeling, and microarray data analysis	2023	Computers in Biology and Medicine	161			
542.	Aslam H., Nadeem M., Shahid U., Ranjha M.M.A.N., Khalid W., Qureshi T.M., Nadeem M.A., Asif A., Fatima M., Rahim M.A., Awuchi C.G.	Physicochemical characteristics, antioxidant potential, and shelf stability of developed roselle“fig fruit bar	2023	Food Science and Nutrition	11	7	4219	4232
543.	Nazeer M., Hussain F., TÃ¼rkçüoğlu	Towards an approximate solution of highly	2023	Journal of Magnetism and Magnetic Materials	577			

	u M., Ali Z.	viscous electro-osmotic flows in inclined Channel: Applications in petroleum and gas engineering						
544.	Imran A., Shehzadi U., Islam F., Afzaal M., Ali R., Ali Y.A., Chauhan A., Biswas S., Khurshid S., Usman I., Hussain G., Zahra S.M., Shah M.A., Rasool A.	Bacteriophages and food safety: An updated overview	2023	Food Science and Nutrition	11	7	3621	3630
545.	Asghar A., Afzaal M., Saeed F., Ahmed A., Ateeq H., Shah Y.A., Islam F., Hussain M., Akram N., Shah M.A.	Valorization and food applications of okara (soybean residue): A concurrent review	2023	Food Science and Nutrition	11	7	3631	3640
546.	Afzaal M., Saeed F., Bibi M., Ejaz A., Shah Y.A., Faisal Z., Ateeq H., Akram N., Asghar A., Shah M.A.	Nutritional, pharmaceutical, and functional aspects of rambutan in industrial perspective: An updated review	2023	Food Science and Nutrition	11	7	3675	3685
547.	Alvi T., Khan M.K.I., Maan A.A., Rizwan M., Aamir M., Saeed F., Ateeq H.,	Microwaveâ€‘vacuum extraction cum drying of tomato slices:	2023	Food Science and Nutrition	11	7	4263	4274

	Raza M.Q., Afzaal M., Shah M.A.	Optimization and functional characterization						
548.	Awan S.A., Khan I., Rizwan M., Irshad M.A., Xiaosan W., Zhang X., Huang L.	Reduction in the cadmium (Cd) accumulation and toxicity in pearl millet (<i>Pennisetum glaucum</i> L.) by regulating physio-biochemical and antioxidant defense system via soil and foliar application of melatonin	2023	Environmental Pollution	328			
549.	Alfryyan N., Ikram M., Manzoor A., Jamil A., Alrowaili Z.A., Al-Buriah M.S., Irshad A., Din M.I.	Synthesis of Cd-substituted NiCoPrFe ₂ O ₄ @C NTs via sol-gel method: Investigating the structural and photocatalytic properties	2023	Physica B: Condensed Matter	660			
550.	Zainab N., Mehmood S., Shafiq-ur-Rehman A., Munir A., Tanveer Z.I., Nisa Z.U., Imran M., Javed M.T., Chaudhary H.J.	Health risk assessment and bioaccumulation of potentially toxic metals from water, soil, and forages near coal mines of district	2023	Environmental Geochemistry and Health	45	7	5441	5466

		Chakwal, Punjab, Pakistan						
551.	Alabdallah N.M., Irshad M.A., Rizwan M., Nawaz R., Inam A., Mohsin M., Khurshid I., Alharby H.F., Bamagoos A.A., Ali S.	Synthesis, characterization and antifungal potential of titanium dioxide nanoparticles against fungal disease (<i>Ustilago tritici</i>) of wheat (<i>Triticum aestivum</i> L.)	2023	Environmental Research	228			
552.	Farooq U., Ashfaq K., Rustamovna R.D., Al-Naimi A.A.	Impact of air pollution on corporate investment: New empirical evidence from BRICS	2023	Borsa Istanbul Review	23	4	876	886
553.	Nawaz M., Imran M., Raza M.	Variable thermal conductivity influence on micropolar nanofluid flow triggered by a stretchable disk with Arrhenius activation energy	2023	Heat Transfer	52	5	3640	3659
554.	Hussain B., Asif Ali Naqvi S., Anwar S., Usman M.	Effect of wind and solar energy production, and economic development on	2023	Gondwana Research	119		27	44

		the environmental quality: Is this the solution to climate change?						
555.	Jamil S., Alvi A.R., Bibi S., Jahan N., Naqvi S.A.R., Khan S.R., Zia K.M., Janjua M.R.S.A.	Synthesis, characterization, and applications of cobalt bismuth layered double hydroxide nanoparticles: Physical insights towards a potential material as fuel additive and photocatalyst	2023	Journal of Physical Organic Chemistry	36	7		
556.	Irshad R., Asim S., Mansha A., Arooj Y.	Naphthalene and its Derivatives: Efficient Fluorescence Probes for Detecting and Imaging Purposes	2023	Journal of Fluorescence	33	4	1273	1303
557.	Ashraf M.A., Hafeez A., Rasheed R., Hussain I., Farooq U., Rizwan M., Ali S.	Evaluation of Physio-Morphological and Biochemical Responses for Salt Tolerance in Wheat (Triticum aestivum L.) Cultivars	2023	Journal of Plant Growth Regulation	42	7	4402	4422

558.	Basit F., Shahid M., Abbas S., Naqqash T., Akram M.S., Tahir M., Azeem M., Cai Y., Jia S., Hu J., Liang X., Guan Y.	Protective role of ZnO nanoparticles in soybean seedlings growth and stress management under Cr-enriched conditions	2023	Plant Growth Regulation	100	3	703	716
559.	Anwar A., Jamil K., Idrees M., Atif M., Ali B.	An empirical examination of SMEs sustainable performance through lean manufacturing	2023	Knowledge and Process Management	30	3	289	299
560.	Mamen B., Bouhadra A., Bourada F., Bourada M., Tounsi A., Mahmoud S.R., Hussain M.	Combined Effect of Thickness Stretching and Temperature-Dependent Material Properties on Dynamic Behavior of Imperfect FG Beams Using Three Variable Quasi-3D Model	2023	Journal of Vibration Engineering and Technologies	11	5	2309	2331
561.	Fakhar-e-Alam M., Saddique S., Hossain N., Shahzad A., Ullah I., Sohail A., Khan	Synthesis, Characterization, and Application of BaTiO3 Nanoparticles for	2023	Journal of Cluster Science	34	4	1745	1755

	M.J.I., Saadullah M.	Anti-Cancer Activity						
562.	Ajmal Z., Kashif Irshad M., Qadeer A., Zia Ul Haq M., Ullah R., Aqeel Sarwar M., Saeed T., Abid M., Hayat A., Ali A., Noman A., Dong R.	Novel magnetite nano-rods-modified biochar: a promising strategy to control lead mobility and transfer in soil-rice system	2023	International Journal of Environmental Science and Technology	20	7	7543	7558
563.	Hussain M., Chatha S.A.S., Hussain A.I., Ahmad T.	Application of chitosan-Acacia nilotica bio-composite for wastewater treatment and significance of RSM-model for parametric optimization	2023	International Journal of Environmental Science and Technology	20	7	7487	7500
564.	Jabeen F., Manzoor M., Ibrahim M., Mahmood A., Adrees M., Aslam A., Kanwal U., Vithanage M., Yousaf B.	Assessment of health risks associated with the consumption of wastewater-irrigated vegetables in urban areas	2023	International Journal of Environmental Science and Technology	20	7	7367	7376
565.	Shoukat A., Zubair M., Uddin J., Khan A., Al-Harrasi A.	Innovative synthesis of non-porous polyurethane membranes with	2023	Polymer Bulletin	80	7	7429	7450

		enhanced mechanical, thermal and adsorption properties						
566.	Ahmad S., Akram M., Riaz M., Munir N., Mahmood Tahir I., Anwar H., Zahid R., Daniyal M., Jabeen F., Ashraf E., Sarwar G., Rasool G., Ali Shah S.M.	Zootherapy as traditional therapeutic strategy in the Cholistan desert of Bahawalpur-Pakistan	2023	Veterinary Medicine and Science	9	4	1861	1868
567.	Farah N., Afzal A., Siddiqui S., Farah N.	Investigating Health Impact on Women Due to Domestic Cooking Fuels and Associated Social Issues in Rural Punjab	2023	Review of Applied Socio-Economic Research	25	1	99	111
568.	Abeed A.H.A., Saleem M.H., Asghar M.A., Mumtaz S., Ameer A., Ali B., Alwahibi M.S., Elshikh M.S., Ercisli S., Elsharkawy M.M., Ali S., Soudy F.A.	Ameliorative Effects of Exogenous Potassium Nitrate on Antioxidant Defense System and Mineral Nutrient Uptake in Radish (<i>Raphanus sativus</i> L.) under Salinity Stress	2023	ACS Omega	8	25	22575	22588

569.	Arshad I., Qureshi K., Saleemi A.S., Abdullah A., Bahajaj A.A.A., Ali S., Bokhari A.	Melamine-isatin tris Schiff base as an efficient corrosion inhibitor for mild steel in 0.5 molar hydrochloric acid solution: weight loss, electrochemical and surface studies	2023	RSC Advances	13	28	1930 1	19311
570.	Noor U., Mughal M.F., Ahmed T., Farid M.F., Ammar M., Kulsum U., Saleem A., Naeem M., Khan A., Sharif A., Waqar K.	Synthesis and applications of MXene-based composites: a review	2023	Nanotechnology	34	26		
571.	Awais S., Munir H., Najeeb J., Anjum F., Naseem K., Kausar N., Shahid M., Irfan M., Najeeb N.	Green synthesis of iron oxide nanoparticles using Bombax malabaricum for antioxidant, antimicrobial and photocatalytic applications	2023	Journal of Cleaner Production	406			
572.	Arshad M., Khan M.A., Rasool R.T., Arshad M.I., Albalawi H., Abd-Rabboh H.S.M., Jacob J., Asghar	Investigation of crystal structure, electrical and dielectric response of Ga ³⁺ substituted	2023	Ceramics International	49	12	2103 6	21049

	H.M.N.U.H.K.	Sr ²⁺ /Ni Y-type hexaferrites as a suitable material for high frequency applications						
573.	Ali N., Hussain S., Waqas M., Faheem M., Ahmad N., Ali A., Ali M.Y., Mahmood K., Schmidt-Mende L.	Charge transfer in copper oxide thin films deposited at different electrodeposition potential	2023	Physica B: Condensed Matter	659			
574.	Tahir W., Khan M.A., Rasool R.T., Dabagh S., Gulbadan S., Majeed A., Albalawi H., Bouzgarrou S., Mahmood K.	Quantifying Co ²⁺ /Zn contents for compositional tailoring of strontium W-type hexaferrites for useful applications	2023	Physica B: Condensed Matter	659			
575.	Rizwan A., Zia-ur-Rehman M., Rizwan M., Usman M., Anayatullah S., Areej, Alharby H.F., Bamagoos A.A., Alharbi B.M., Ali S.	Effects of silicon nanoparticles and conventional Si amendments on growth and nutrient accumulation by maize (Zea mays L.) grown in saline-sodic soil	2023	Environmental Research	227			
576.	Naseem S., Alay-e-Abbas S.M., Nazir S.	Thermodynamics and a definite large half-metallic spin gap	2023	Materials Science in Semiconductor Processing	160			

		along with a magnetic anisotropy in La-doped Ba ₂ NiIrO ₆						
577.	Ghafoor A., Bibi I., Majid F., Kamal S., Jilani K., Sultan M., Alwadai N., Ali A., Ali A., Nazir A., Iqbal M.	Electrochemical, ferroelectric and dielectric properties of Gd, Fe and Mn doped nickel perovskite with robust photocatalytic activity under visible light	2023	Materials Science in Semiconductor Processing	160			
578.	Asghar H., Khan I., Saeed M., Wu P., Khan A.	Synthesis of g-C ₃ N ₄ /SmFeO ₃ nanosheets Z-scheme based nanocomposites as efficient visible light photocatalysts for CO ₂ reduction and Congo red degradation	2023	Journal of Materials Research	38	11	2986	2997
579.	Ali A., Saeed S., Hussain R., Afzal G., Siddique A.B., Parveen G., Hasan M., Caprioli G.	Synthesis and Characterization of Silica, Silver-Silica, and Zinc Oxide-Silica Nanoparticles for Evaluation of Blood Biochemistry,	2023	ACS Omega	8	23	20900	20911

		Oxidative Stress, and Hepatotoxicity in Albino Rats						
580.	Ali B., Hafeez A., Afridi M.S., Javed M.A., Sumaira N., Suleman F., Nadeem M., Ali S., Alwahibi M.S., Elshikh M.S., Marc R.A., Ercisli S., Darwish D.B.E.	Bacterial-Mediated Salinity Stress Tolerance in Maize (Zea mays L.): A Fortunate Way toward Sustainable Agriculture	2023	ACS Omega	8	23	2047 1	20487
581.	Batool A., Shabbir R., Abrar M., Bilal A.R.	Do fear and perceived knowledge of Covid-19 drive sustainable consumption behaviour in Muslims? The mediating role of religiosity	2023	Journal of Islamic Marketing	14	7	1645	1668
582.	Baz S., Ikram M., Haider A., Shahzadi A., Ul-Hamid A., Nabgan W., Haider J., Imran M., Alshahrani T., Medina F., Imran M.	Facile Synthesis of Vanadium Oxide/Carbon Spheres-Doped Nickel Oxide Functioned as a Nanocatalyst and Bactericidal Behavior with Molecular Docking Analysis	2023	ACS Omega	8	22	1947 4	19485

583.	Saeed M., Adiguzel Z., Shafique I., Kalyar M.N., Abrudan D.B.	Big data analytics-enabled dynamic capabilities and firm performance: examining the roles of marketing ambidexterity and environmental dynamism	2023	Business Process Management Journal	29	4	1204	1226
584.	Bashir F., Hussain T., Mujahid A., Mushtaq A., Raza M.A., Ahmad M.N., Zahid M., Din M.I., Tareen H.	Zwitterionic Surfactant Modified Carbon Nanotubes Incorporated Percolative Polymer Composites with Improved Features	2023	Nano Biomedicine and Engineering	15	2	136	149
585.	Qamar M.U., Aatika	Impact of climate change on antimicrobial resistance dynamics: an emerging One Health challenge	2023	Future Microbiology	18	9	535	539
586.	Javed M.S., Zubair M., Rizwan K., Jamil M.	In Vitro Anti-Microbial Activity and Anti-Cancer Potential of Novel	2023	Molecules	28	12		

		Synthesized Carbamothioyl-Furan-2-Carboxamide Derivatives						
587.	Rafiq A., Jabeen T., Aslam S., Ahmad M., Ashfaq U.A., Mohsin N.U.A., Zaki M.E.A., Al-Hussain S.A.	A Comprehensive Update of Various Attempts by Medicinal Chemists to Combat COVID-19 through Natural Products	2023	Molecules	28	12		
588.	Irfan A., Faisal S., Zahoor A.F., Noreen R., Al-Hussain S.A., Tuzun B., Javaid R., Elhenawy A.A., Zaki M.E.A., Ahmad S., Abdellattif M.H.	In Silico Development of Novel Benzofuran-1,3,4-Oxadiazoles as Lead Inhibitors of M. tuberculosis Polyketide Synthase 13	2023	Pharmaceuticals	16	6		
589.	Anjum N., He J.-H., He C.-H., Gepreel K.A.	Variational Iteration Method for Prediction of the Pull-In Instability Condition of Micro/Nanoelectromechanical Systems	2023	Physical Mesomechanics	26	3	241	250
590.	Wang N., Zhang P., Zhou X., Zheng J.,	Isolation, Identification,	2023	Fermentation	9	6		

	Ma Y., Liu C., Wu T., Li H., Wang X., Wang H., Zhao X., Mehmood M.A., Zhu H.	and Characterization of an Acid-Tolerant Pichia kudriavzevii and Exploration of Its Acetic Acid Tolerance Mechanism						
591.	Wang Y., Ahmad S., Waseem L.A., Akhter S., Jihane M.	Corporate social responsibility stimulus on environmental problems: Spatial threshold model analysis	2023	PLoS ONE	18	45449		
592.	Asad M., Rasul A., Abbas G., Shah M.A., Nazir I.	Self-emulsifying drug delivery systems: A versatile approach to enhance the oral delivery of BCS class III drug via hydrophobic ion pairing	2023	PLoS ONE	18	45449		
593.	Siddiqua U.H., Ali S., Hassan G.Q., Malik A., Noreen S., Andleeb S.	Significance of Natural Colorant Extracted from Leaves of Murraya Exotica and Assessment of Dyeability on Cellulosic Fiber	2023	Fibers and Polymers	24	6	2055	2063

		via Statistical Modeling						
594.	Haroon M., Zahoor A.F., Ahmad S., Mansha A., Irfan M., Mushtaq A., Akhtar R., Irfan A., Kotwica-Mojzych K., Mojzych M.	The Corey-Seebach Reagent in the 21st Century: A Review	2023	Molecules	28	11		
595.	Ahmad N., Hussain S.M., Ali S., Rizwan M., Zahoor A.F., Ahmed A.M., Zulfiqar A.	Dietary exposure of Cr nanoparticles to Catla catla fingerlings: Effects on mineral digestibility and carcass composition	2023	Aquaculture Reports	30			
596.	Nadeem M.S., Munawar T., Mukhtar F., Rabbani A.W., ur Rehman N., Mahmood K., Iqbal F.	Facile synthesis of PANI and rGO supported Y/Pr co-doped ZnO: boosted solar light-driven photocatalysis	2023	Applied Physics A: Materials Science and Processing	129	6		
597.	Mustafa G.M., Waqar R., Saba S., Noor N.A., Farooq Z., Imran M., Behram R.B., Alanazi Y.M.	Theoretical investigations of optoelectronic and transport properties of halide based K ₂ YA _x X ₆ (X = Cl, Br) double	2023	Physica Scripta	98	6		

		perovskites						
598.	Aziz S., Altaf J., Khalil A., Khalil H., Jehangir K., Awan F.S.	Human cancer risk due to chromium and its bioaccumulation in physids in Central Punjab, Pakistan	2023	Environmental Science and Pollution Research	30	29	74223	74235
599.	Adeel S., Akram H., Usman M., Bokhari T.H., Aftab M., Ozomay M.	Eco-friendly microwave assisted sustainable coloration of silk and wool fabric with Acid Blue 07 dye	2023	Environmental Science and Pollution Research	30	30	74939	74951
600.	Uddin I., Usman M., Saqib N., Makhdum M.S.A.	The impact of geopolitical risk, governance, technological innovations, energy use, and foreign direct investment on CO2 emissions in the BRICS region	2023	Environmental Science and Pollution Research	30	29	73714	73729
601.	Haq A.U., Majeed M.I., Nawaz H., Rashid N., Javed M.R., Iqbal M.A., Raza A., Zahra S.T., Meraj L., Perveen A., Murtaza S., Khaliq S.	Surface-enhanced Raman spectroscopy for monitoring antibacterial activity of imidazole derivative (1-	2023	Photodiagnosis and Photodynamic Therapy	42			

		benzyl-3-(sec-butyl)-1H-imidazole-3-ium bromide) against Bacillus subtilis and Escherichia coli						
602.	Ayesha, Imran M., Haider A., Shahzadi I., Moeen S., Ul-Hamid A., Nabgan W., Shahzadi A., Alshahrani T., Ikram M.	Polyvinylpyrrolidone and chitosan-coated magnetite (Fe ₃ O ₄) nanoparticles for catalytic and antimicrobial activity with molecular docking analysis	2023	Journal of Environmental Chemical Engineering	11	3		
603.	Ahmad A., Mustafa G., Rana A., Zia A.R.	Improvements in Bioremediation Agents and Their Modified Strains in Mediating Environmental Pollution	2023	Current Microbiology	80	6		
604.	Shakir N., Sharif A., Ali S., Akhtar B., Akhtar M.F., Muhammad F., Saleem A., Akhtar K., Tariq I., Khan M.I.	Pirarubicin loaded biodegradable nanoparticles downregulate IL-6, COX-II and TNF- α along with oxidative stress markers in comparison to	2023	Journal of Drug Delivery Science and Technology	84			

		conventional pirarubicin in healthy albino rats						
605.	Sohail A., Abbas Z., Ahmed R., Shahzad A., Akhtar N., Peng J.-X.	Enhanced Entanglement and Controlling Quantum Steering in a Laguerre–Gaus- sian Cavity Optomechanical System with Two Rotating Mirrors	2023	Annalen der Physik	535	6		
606.	Amin S., Aziz T., Zia-ur-Rehman M., Saleem I., Rizwan M., Ashar A., Mussawar H.A., Maqsood M.A.	Zinc oxide nanoparticles coated urea enhances nitrogen efficiency and zinc bioavailability in wheat in alkaline calcareous soils	2023	Environmental Science and Pollution Research	30	27	7012 1	70130
607.	Shaheryar M., Afzaal M., Nosheen F., Imran A., Islam F., Noreen R., Shehzadi U., Shah M.A., Rasool A.	Functional exploration of taro starch (Colocasia esculenta) supplemented yogurt	2023	Food Science and Nutrition	11	6	2697	2707
608.	Chu Y.-M., Rashid S., Akdemir A.O., Khalid A., Baleanu	Predictive dynamical modeling and	2023	Results in Physics	49			

	D., Al-Sinan B.R., Elzibar O.A.I.	stability of the equilibria in a discrete fractional difference COVID-19 epidemic model						
609.	Ahmed T., Lv L., Noman M., Masood H.A., Rizwan M., Ijaz M., Hatamleh A.A., Al- Dosary M.A., Ali H.M., Chen J., Li B.	Transcriptomic and proteomic profiling reveals toxicity and molecular action mechanisms of bioengineered chitosan-iron nanocomposites against Xanthomonas oryzae pv. oryzae	2023	Pesticide Biochemistry and Physiology	193			
610.	Umar E., Ikram M., Haider J., Nabgan W., Imran M., Nazir G.	A State-of-Art Review of the Metal Oxide- Based Nanomaterials Effect on Photocatalytic Degradation of Malachite Green Dyes and a Bibliometric Analysis	2023	Global Challenges	7	6		
611.	Akbar M.U., Aqeel M., Iqbal N., Zafar S., Noman A.	Morpho- physiological characterization	2023	Microbial Pathogenesis	179			

		and metabolic profiling of rice lines for immunity to counter Helminthosporium oryzae						
612.	Ashfaq A., Tahir S., Mushtaq S., Alqurashi R.S., Haneef M., Almousa N., Rehman U.U., Bonilla R.S.	Comparative performance analysis of Cs ₂ TiX ₆ (X = Br-, Cl-, I-) lead-free perovskite solar cells incorporating single, double and triple layer halides by SCAPS v1D	2023	Materials Today Communications	35			
613.	Hassan T., Sajid I., Ramzan Saeed Ashraf Janjua M., Shafiq Z., Yasir Mehboob M., Sultan N.	Non-fullerene based photovoltaic materials for solar cell applications: DFT-based analysis and interpretation	2023	Computational and Theoretical Chemistry	1224			
614.	Bangash Y., Saleem A., Akhtar M.F., Anwar F., Akhtar B., Sharif A., Khan M.I., Khan A.	Pterostilbene reduces the progression of atopic dermatitis via modulating inflammatory and	2023	Inflammopharmacology	31	3	1289	1303

		oxidative stress biomarkers in mice						
615.	Riaz M., Khalid R., Afzal M., Anjum F., Fatima H., Zia S., Rasool G., Egbuna C., Mtewa A.G., Uche C.Z., Aslam M.A.	Phytobioactive compounds as therapeutic agents for human diseases: A review	2023	Food Science and Nutrition	11	6	2500	2529
616.	Nawaz M.Z., Nawaz H., Majeed M.I., Rashid N., Javed M.R., Naz S., Ali M.Z., Sabir A., Sadaf N., Raza A., Shakeel M., Ali Z., Amin I.	Comparison of surface-enhanced Raman spectral data sets of filtrate portions of serum samples of hepatitis B and Hepatitis C infected patients obtained by centrifugal filtration	2023	Photodiagnosis and Photodynamic Therapy	42			
617.	Ogunyemi S.O., Xu X., Xu L., Abdallah Y., Rizwan M., Lv L., Ahmed T., Ali H.M., Khan F., Yan C., Chen J., Li B.	Cobalt oxide nanoparticles: An effective growth promoter of Arabidopsis plants and nano-pesticide against bacterial leaf blight pathogen in rice	2023	Ecotoxicology and Environmental Safety	257			
618.	Asghar A., Liu C.-G., Ali I., Khan A.Z.,	Bioenergy potential of	2023	Chemical Engineering Journal	465			

	Zhu H., Wang N., Nawaz M., Tabish T.A., Mehmood M.A., Rasool R.T.	Saccharum bengalense through pyrolysis, reaction kinetics, TG-FTIR-GCMS analysis of pyrolysis products, and validation of the pyrolysis data through machine learning						
619.	Javaid M.A., Jabeen S., Arshad N., Zia K.M., Hussain M.T., Ullah I., Ahmad S., Shoaib M.	Preparation of amylopectin and chitosan based polyurethanes for sustained drug release studies	2023	Sustainable Chemistry and Pharmacy	33			
620.	Babar Q., Saeed A., Murugappan S., Dhumal D., Tabish T., Thorat N.D.	Promise of dostarlimab in cancer therapy: Advancements and cross-talk considerations	2023	Drug Discovery Today	28	6		
621.	Chaudhary A., Hussain A., Ahmad Q.-U.-A., Shehzadi A., Manzoor M., Shahbaz M., Deepanraj B.	Production of ethanol from xylan by indigenous xylanolytic and ethanologenic bacteria isolated from fruit wastes	2023	Sustainable Energy Technologies and Assessments	57			
622.	Zubair M.W., Imran A., Islam F., Afzaal	Functional profile and	2023	Food Science and Nutrition	11	6	2440	2449

	M., Saeed F., Zahra S.M., Akhtar M.N., Noman M., Ateeq H., Aslam M.A., Mehta S., Shah M.A., Awuchi C.G.	encapsulating properties of Colocasia esculenta (Taro)						
623.	Ijaz M.U., Najam S., Hamza A., Azmat R., Ashraf A., Unuofin J.O., Lebelo S.L., Simal-Gandara J.	Pinostrobin alleviates testicular and spermatological damage induced by polystyrene microplastics in adult albino rats	2023	Biomedicine and Pharmacotherapy	162			
624.	Arif A., Azeem F., Rasul I., Siddique M.H., Zubair M., Muneer F., Zaheer W., Nadeem H.	Bioplastics from waste biomass of marine and poultry industries	2023	Journal of Biosciences	48	2		
625.	Shazmin, Ahmad S.A., Naqvi T.A., Munis M.F.H., Javed M.T., Chaudhary H.J.	Biodegradation of monocrotophos by Brucella intermedia Msd2 isolated from cotton plant	2023	World Journal of Microbiology and Biotechnology	39	6		
626.	Fatima M., Nosheen F., Afzaal M., Islam F., Noreen R., Imran A., Amer Ali Y.	Nutritional and health status of Afghan refugee women living in Punjab: A cross-sectional study	2023	Food Science and Nutrition	11	6	2872	2882
627.	Koraqi H., Petkoska A.T., Khalid W.,	Optimization of the Extraction	2023	Food Analytical Methods	16	6	1030	1042

	Sehrish A., Ambreen S., Lorenzo J.M.	Conditions of Antioxidant Phenolic Compounds from Strawberry Fruits (Fragaria x ananassa Duch.) Using Response Surface Methodology						
628.	Basit M.A., Farooq U., Imran M., Fatima N., Alhushaybari A., Noreen S., Eldin S.M., AkgÃ¼l A.	Comprehensive investigations of (Au-Ag/Blood and Cu-Fe3O4/Blood) hybrid nanofluid over two rotating disks: Numerical and computational approach	2023	Alexandria Engineering Journal	72		19	36
629.	Al-Daraghmeh T.M., Zayed O., Zelai T., Saba S., Mustafa G.M., Hakami O., Albalawi H., Bouzgarrou S., Mahmoud Z., Mahmood Q.	Study of mechanical, optical and transport aspirants of double perovskites Cs2XInI6 (X = Li, Na) for solar cells and clean energy applications	2023	Journal of Solid State Chemistry	322			
630.	Ahmad A., Nosheen F., Arshad M.U., Saeed F.,	Isolation and antioxidant characterization	2023	Food Science and Nutrition	11	6	3485	3496

	Afzaal M., Islam F., Imran A., Noreen R., Amer Ali Y., Shah M.A.	of theaflavin for neuroprotective effect in mice model						
631.	Raza A., Charagh S., Najafi-Kakavand S., Abbas S., Shoaib Y., Anwar S., Sharifi S., Lu G., Siddique K.H.M.	Role of phytohormones in regulating cold stress tolerance: Physiological and molecular approaches for developing cold-smart crop plants	2023	Plant Stress	8			
632.	Sattar M.T., Raza A., Ali S., Bashir S., Kanwal F., Khan I., Raza M.A., Hussain S., Shen F.	Integrating by-products from bioenergy technology to improve the morpho-physiological growth and yield of soybean under acidic soil	2023	Chemosphere	327			
633.	Munir T., Mahmood A., Rasul A., Imran M., Fakhar-e-Alam M.	Biocompatible polymer functionalized magnetic nanoparticles for antimicrobial and anticancer activities	2023	Materials Chemistry and Physics	301			
634.	Rasheed N., Ahmed A., Nosheen F., Imran	Effectiveness of combined seeds (pumpkin,	2023	Food Science and Nutrition	11	6	3385	3393

	A., Islam F., Noreen R., Chauhan A., Shah M.A., Amer Ali Y.	sunflower, sesame, flaxseed): As adjacent therapy to treat polycystic ovary syndrome in females						
635.	Usman I., Saif H., Imran A., Afzaal M., Saeed F., Azam I., Afzal A., Ateeq H., Islam F., Shah Y.A., Shah M.A.	Innovative applications and therapeutic potential of oilseeds and their by-products: An eco-friendly and sustainable approach	2023	Food Science and Nutrition	11	6	2599	2609
636.	Ahmed R., Zia-ur-Rehman M., Sabir M., Usman M., Rizwan M., Ahmad Z., Alharby H.F., Al-Zahrani H.S., Alsamadany H., Aldhebiani A.Y., Alzahrani Y.M., Bamagoos A.A.	Differential response of nano zinc sulphate with other conventional sources of Zn in mitigating salinity stress in rice grown on saline-sodic soil	2023	Chemosphere	327			
637.	Ain H.B.U., Tufail T., Bashir S., Ijaz N., Hussain M., Ikram A., Farooq M.A., Saewan S.A.	Nutritional importance and industrial uses of pomegranate peel: A critical review	2023	Food Science and Nutrition	11	6	2589	2598
638.	Usman M., Amin M., Kamal I.,	Algae-Mediated Resource	2023	Current Pollution Reports	9	2	243	258

	Shahid A., Xu J., Alam M.A., Mehmood M.A., Ashraf G.A., Boopathy R.	Recovery from Urban Wastewater						
639.	Saeed H., Ikram M., Haider A., Naz S., Ul-Hamid A., Nabgan W., Haider J., Ibrahim S.M., Ullah H., Khan S.	Efficient dye degradation in the presence of reducing agent and bactericidal behavior with in silico molecular docking of z- scheme P3HT/g- C3N4 doped CuO heterojunction	2023	Surfaces and Interfaces	38			
640.	Gulbadan S., Khan M.A., Rasool R.T., Zelai T., Mahmood K., Shahid M., Hussain A.	Investigation of crystal structure, photoluminescen ce, and Raman studies of Sm ²⁺ Co substituted Ba ²⁺ Sr M-type hexaferrites	2023	Ceramics International	49	11	1807 6	18083
641.	Khan M.U., Janjua M.R.S.A., Yaqoob J., Hussain R., Khalid M., Syed A., Elgorban A.M., Zaghloul N.S.S.	First theoretical framework of superalkali metals [M3X(M = Li, Na, K; X = O, S, F, N)] doped all- boron B38 nanocluster: A promising class of	2023	Journal of Photochemistry and Photobiology A: Chemistry	440			

		nonlinear optical materials for optoelectronic applications						
642.	Islam F., Imran A., Nosheen F., Fatima M., Arshad M.U., Afzaal M., Ijaz N., Noreen R., Mehta S., Biswas S., Rasool I.F.U., Aslam M.A., Usman I., Zahra S.M., Segueni N., Amer Ali Y.	Functional roles and novel tools for improving-oxidative stability of polyunsaturated fatty acids: A comprehensive review	2023	Food Science and Nutrition	11	6	2471	2482
643.	Munir T., Mahmood A., Peter N., Raftat N., Imran M., Ali H.E.	Structural, morphological and optical properties at various concentration of Ag doped SiO ₂ -NPs via sol gel method for antibacterial and anticancer activities	2023	Surfaces and Interfaces	38			
644.	Abbas N., Rasul A., Abbas G., Shah S., Hanif M.	Targeted delivery of aspirin and metformin to colorectal cancer using disulfide bridged nanoparticles of	2023	Materials Today Communications	35			

		thiolated pectin and thiolated Eudragit RL100						
645.	Alhumade H., Alayed O.S., Iqbal M.W., Shahid A., Iqbal T., Ahmad M.S., Elkamel A., Al-Turki Y., Mehmood M.A., Ashraf G.A.	Exploration of the bioenergy potential of <i>Dactyloctenium aegyptium</i> through pyrolysis, kinetics, and thermodynamic parameters to produce clean fuels and biochemicals	2023	Fuel	341			
646.	Maqbool J., Anwar H., Rasul A., Imran A., Saadullah M., Malik S.A., Shabbir A., Akram R., Sajid F., Zafar S., Saeed S., Akram M.N., Islam F., Hussain G., Islam S.	Comparative evaluation of ethyl acetate and n-Hexane extracts of <i>Cannabis sativa</i> L. leaves for muscle function restoration after peripheral nerve lesion	2023	Food Science and Nutrition	11	6	2767	2775
647.	Saeed M.J., Tahir M., Asjad M.I., ul aabedin Z., Maqsood M., Ahmadian A., Salimi M.	Chemically radiative and mixed convection solute transfer in boundary-layer flow of Jeffrey nanofluid along an inclined	2023	ZAMM Zeitschrift für Angewandte Mathematik und Mechanik	103	6		

		stretching cylinder with joule heating and double stratification impacts						
648.	Mahboob A., Shahzad A., Manzoor A., Sohail A., ikram M.	Polarization Effects on Thermal Conductivity of Dusty Plasmas	2023	Arabian Journal for Science and Engineering	48	6	8047	8057
649.	Ashraf M.A., Rasheed R., Hussain I., Qureshi F.F., Rizwan M., Ali S.	Allicin Decreases Phytotoxic Effects of Petroleum Hydrocarbons by Regulating Oxidative Defense and Detoxification of Cytotoxic Compounds in Wheat	2023	Journal of Plant Growth Regulation	42	6	3632	3649
650.	Khan I., Awan S.A., Rizwan M., brestic M., Xie W.	Silicon: an essential element for plant nutrition and phytohormones signaling mechanism under stressful conditions	2023	Plant Growth Regulation	100	2	301	319
651.	Usman M., Ammar M., Ali M., Zafar M., Zeeshan M.	Emissions and efficiency of an improved	2023	Environment, Development and Sustainability	25	6	5427	5442

		conventional liquefied petroleum gas cookstoves in Pakistan						
652.	Bahmani-Oskooee M., Usman A., Ullah S.	Asymmetric Impact of Exchange Rate Volatility on Commodity Trade Between Pakistan and China	2023	Global Business Review	24	3	510	534
653.	Nasreen S., Anwar S.	FINANCIAL STABILITY AND MONETARY POLICY REACTION FUNCTION FOR SOUTH ASIAN COUNTRIES: AN ECONOMETRIC APPROACH	2023	Singapore Economic Review	68	3	1001	1030
654.	Adeel S., Mumtaz A., Mia R., Aftab M., Hussaan M., Amin N., Khan S.R., Khattak S.P.	Microwave-assisted sustainable coloration of wool fabric using Rheum emodi - based natural dye	2023	Surface Innovations	12	45355	147	158
655.	Usman M., Rasheed K., Mahmood F., Riaz A., Bashir M.	Impact of Financial Development and Economic Growth on Energy Consumption in	2023	International Journal of Energy Economics and Policy	13	3	512	523

		Developing Countries of Asia						
656.	Hussain S., Javed W., Tajammal A., Khalid M., Rasool N., Riaz M., Shahid M., Ahmad I., Muhammad R., Shah S.A.A.	Synergistic Antibacterial Screening of Cymbopogon citratus and Azadirachta indica: Phytochemical Profiling and Antioxidant and Hemolytic Activities	2023	ACS Omega	8	19	1660 0	16611
657.	Sharif A., Kumar R., Althobaiti T., Alotaibi A.A., Safi L., Ramzan N., Imran M.A., Abbasi Q.H.	Bio-Inspired Circular-Polarized UHF RFID Tag Design Using Characteristic Mode Analysis	2023	IEEE Sensors Journal	23	10	1084 7	10855
658.	Nazeer Z., Bibi I., Majid F., Kamal S., Ghafoor A., Ali A., Kausar A., Elqahtani Z.M., Alwadai N., Iqbal M.	Microemulsion synthesis of Ga and Sr doped BiFeO ₃ nanoparticles and evaluation of their ferroelectric, optical, dielectric and photocatalytic properties	2023	Physica B: Condensed Matter	657			
659.	Danane J., Hammouch Z.,	A fractional-order model of	2023	Mathematical Methods in the Applied Sciences	46	7	8275	8288

	Allali K., Rashid S., Singh J.	coronavirus disease 2019 (COVID-19) with governmental action and individual reaction						
660.	Chu Y.-M., Rashid S., Singh J.	A novel comprehensive analysis on generalized harmonically $\tilde{\eta}$ -convex with respect to Raina's function on fractal set with applications	2023	Mathematical Methods in the Applied Sciences	46	7	8018	8042
661.	Jamal F., Rafique A., Moeen S., Haider J., Nabgan W., Haider A., Imran M., Nazir G., Alhassan M., Ikram M., Khan Q., Ali G., Khan M., Ahmad W., Maqbool M.	Review of Metal Sulfide Nanostructures and their Applications	2023	ACS Applied Nano Materials	6	9	7077	7106
662.	Dingcheng H., Metwally A.S.M., Ali S., Sillanpaa M., Yassen W., Sobhani B.	Sustainable and environmentally-friendly multi-generation system of power, cooling, and hydrogen; Multi-objective	2023	Applied Thermal Engineering	225			

		optimization using particle swarm algorithm						
663.	Chen F., Aqeel M., Khalid N., Nazir A., Irshad M.K., Akbar M.U., Alzuaibr F.M., Ma J., Noman A.	Interactive effects of polystyrene microplastics and Pb on growth and phytochemicals in mung bean (<i>Vigna radiata</i> L.)	2023	Journal of Hazardous Materials	449			
664.	Bari M.W., Khan Q., Waqas A.	Person related workplace bullying and knowledge hiding behaviors: relational psychological contract breach as an underlying mechanism	2023	Journal of Knowledge Management	27	5	1299	1318
665.	Chughtai I.T., Naseer A., Tamoor M., Asif S., Jabbar M., Shahid R.	Content-based image retrieval via transfer learning	2023	Journal of Intelligent and Fuzzy Systems	44	5	8193	8218
666.	Bano N., Azam S.M., Ahmad N., Asad M., Mustafa G., Khalid M., Khan M.N., Amir I., Kausar S., Summer M., Rehman S.U., Khakwani A.Z., Irshad S.	Some Morphometric and Meristic Characters of <i>Catla catla</i> from research farms of MNS University of Agriculture Multan, Punjab	2023	Egyptian Journal of Aquatic Biology and Fisheries	27	3	663	670

		Pakistan						
667.	Sajid M.M., Zhai H., Shad N.A., Alomayri T., Hassan M.A., Javed Y., Amin N., Zhang Z., Sillanpaa M., Iqbal M.A.	Synthesis of novel Fe doped MoS2/BiVO4 magnetic composite for enhanced photocatalytic and antimicrobial activity	2023	Inorganic Chemistry Communications	151			
668.	Mehmood Y., Hira S., Yousaf H., Farooq U., Riaz H., Arshad R.K.M., Ahmad W., Affan M., Sufian M.A., Khan Z.M.-U.-D.	Control synthesis of mesoporous silica microparticles: Optimization and in vitro cytotoxicity studies	2023	Pakistan Journal of Pharmaceutical Sciences	36	6	915	921
669.	Masmali I., Khalid A., Shuaib U., Razaq A., Garg H., Razzaque A.	On Selection of the Efficient Water Purification Strategy at Commercial Scale Using Complex Intuitionistic Fuzzy Dombi Environment	2023	Water (Switzerland)	15	10		
670.	Ali U., Anwar Z., Hasan S., Zafar M., Ain N.U., Afzal F., Khalid W., Rahim M.A., Mrabti H.N., AL-Farga A., Eljeam	Bioprocessing and Screening of Indigenous Wastes for Hyper Production of Fungal Lipase	2023	Catalysts	13	5		

	H.A.R.A.							
671.	Khan R.U., Khan A., Naz S., Ullah Q., Puvařa N., Laudadio V., Mazzei D., Seidavi A., Ayasan T., Tufarelli V.	Pros and Cons of Dietary Vitamin A and Its Precursors in Poultry Health and Production: A Comprehensive Review	2023	Antioxidants	12	5		
672.	Bin-Mohsin B., Awan M.U., Javed M.Z., Khan A.G., Budak H., Mihai M.V., Noor M.A.	Generalized AB-Fractional Operator Inclusions of Hermite’s Type via Fractional Integration	2023	Symmetry	15	5		
673.	Raza M., Srivastava H.M., Xin Q., Tchier F., Malik S.N., Arif M.	Starlikeness Associated with the Van Der Pol Numbers	2023	Mathematics	11	10		
674.	Bin-Mohsin B., Javed M.Z., Awan M.U., Khan A.G., Cesarano C., Noor M.A.	Exploration of Quantum Milne’s Mercer-Type Inequalities with Applications	2023	Symmetry	15	5		
675.	Shariff A.R.M., Javed S., Razak N.A., Khalid N.H.M.	Development of Educational-Based Psychosocial Resilience Model Guidelines for Student Survival in New Normative	2023	International Journal of Human Movement and Sports Sciences	11	3	533	539

		Routines						
676.	Usman M., Rasool M.H., Khurshid M., Aslam B., Baloch Z.	Co-Occurrence of mcr-1 and Carbapenem Resistance in Avian Pathogenic E. coli Serogroup O78 ST95 from Colibacillosis-Infected Broiler Chickens	2023	Antibiotics	12	5		
677.	Almashhadani M., Mishra A., Yazici A., Younas M.	Challenges in Agile Software Maintenance for Local and Global Development: An Empirical Assessment	2023	Information (Switzerland)	14	5		
678.	Sohail A., Ahmed R., Peng J.-X., Shahzad A., Singh S.K.	Enhanced entanglement via magnon squeezing in a two-cavity magnomechanical system	2023	Journal of the Optical Society of America B: Optical Physics	40	5	1359	1366
679.	Sanami S., Nazarian S., Ahmad S., Raeisi E., ul Qamar M.T., Tahmasebian S., Pazoki-Toroudi H., Fazeli M., Ghatreh Samani M.	In silico design and immunoinformatics analysis of a universal multi-epitope vaccine against monkeypox virus	2023	PLoS ONE	18	45417		
680.	Noor F., Asif M.,	Machine learning	2023	Briefings in Bioinformatics	24	3		

	Ashfaq U.A., Qasim M., Tahir Ul Qamar M.	for synergistic network pharmacology: a comprehensive overview						
681.	Sohail A., Arif R., Akhtar N., Ziauddin, Peng J.-X., Xianlong G., Gu Z.D.	A rotational-cavity optomechanical system with two revolving cavity mirrors: optical response and fast-slow light mechanism	2023	European Physical Journal Plus	138	5		
682.	Alqawasmi K., Alharbi K.A.M., Farooq U., Noreen S., Imran M., AkgÃ¼l A., Kanan M., Asad J.	Numerical approach toward ternary hybrid nanofluid flow with nonlinear heat source-sink and fourier heat flux model passing through a disk	2023	International Journal of Thermofluids	18			
683.	Asif M., Hussain M.A., Humayun S., Awais M., Li M.	Investigating the Role of Ethical Leadership on Employee Innovativeness through Bottom-Up Job Redesigning: Self-Leadership as a Catalyst	2023	Sustainability (Switzerland)	15	9		

684.	Kanjal M.I., Muneer M., Jamal M.A., Bokhari T.H., Wahid A., Ullah S., Amrane A., Hadadi A., Tahraoui H., Mouni L.	A Study of Treatment of Reactive Red 45 Dye by Advanced Oxidation Processes and Toxicity Evaluation Using Bioassays	2023	Sustainability (Switzerland)	15	9		
685.	Umar Farooq M., Amin A., Peng S., IÅŸÅ±k C., Aqdas R., Akbar M., Sabahat G., Ongan S.	Role of Innovations to Mitigate CO2e: Theory and Evidence for European Economies	2023	Sustainability (Switzerland)	15	9		
686.	Naseer F., Khan M.N., Rasool A., Ayub N.	A novel approach to compensate delay in communication by predicting teleoperator behaviour using deep learning and reinforcement learning to control telepresence robot	2023	Electronics Letters	59	9		
687.	Iqbal N., Tanzeem- ul-Haq H.S., Gull-e- Faran, Turan V., Iqbal M.	Soil Amendments and Foliar Melatonin Reduced Pb	2023	Plants	12	9		

		Uptake, and Oxidative Stress, and Improved Spinach Quality in Pb-Contaminated Soil						
688.	Habib S., Liu H., Tamoor M., Zaka M.A., Jia Y., Hussien A.G., Zawbaa H.M., Kamel S.	Technical modelling of solar photovoltaic water pumping system and evaluation of system performance and their socio-economic impact	2023	Heliyon	9	5		
689.	Ashique R.H., Arif M.S.B., Bhatti A.R., Al Mansur A., Maruf M.H., Shihavuddin A.S.M.	The ZVS Class E/F3 Inverter Using Piezoelectric Transformers for Energy Extraction	2023	Electronics (Switzerland)	12	9		
690.	Hossain A., Luo J., Ali M.A., Chai R., Shahid M., Ahmed T., M. Hassan M., H. Kadi R., An Q., Li B., Wang Y.	Synergistic Action of Biosynthesized Silver Nanoparticles and Culture Supernatant of Bacillus amyloliquefaciens against the Soft Rot Pathogen Dickeya dadantii	2023	Plants	12	9		

691.	Marzouk M., Rhazi Y., Nejdi I.H., Zerrad F.-E., Saih M., Ahmad S., Ghaffar A., Hussein M.	Ultra-Wideband Compact Fractal Antenna for WiMAX, WLAN, C and X Band Applications	2023	Sensors	23	9		
692.	Ali H., Mahmood-ul-Hassan, AkgÃ¼l A., Alshomrani A.S.	Wave Scattering through Step Down Cascading Junctions	2023	Mathematics	11	9		
693.	Singh S.K., Mazaheri M., Peng J.-X., Sohail A., Gu Z., Asjad M.	Normal mode splitting and optical squeezing in a linear and quadratic optomechanical system with optical parametric amplifier	2023	Quantum Information Processing	22	5		
694.	Farhan B.A., Zhihe L., Ali S., Shah T.A., Zhiyu L., Zhang A., Javed S., Asad M.	Multiple strategies for the development of multienzyme complex for one-pot reactions	2023	Environmental Science and Pollution Research	30	24	64904	64931
695.	Farooq U., Waqas H., Noreen S., Imran M., AkgÃ¼l A., Baleanu D., Din S.M.E., Muhammad T., Galal A.M.	Numerical framework of hybrid nanofluid over two horizontal parallel plates with non-linear thermal radiation	2023	International Journal of Thermofluids	18			

696.	Al-Qurashi M., Rashid S., Jarad F., Ali E., Egami R.H.	Dynamic prediction modelling and equilibrium stability of a fractional discrete biophysical neuron model	2023	Results in Physics	48			
697.	Alharbi K.A.M., Farooq U., Waqas H., Imran M., Noreen S., AkgÃ¼l A., Baleanu D., Din S.M.E., Abbas K.	Numerical solution of Maxwell-Sutterby nanofluid flow inside a stretching sheet with thermal radiation, exponential heat source/sink, and bioconvection	2023	International Journal of Thermofluids	18			
698.	Arfan M., Khaleel N., Ghaffar A., Khan Y., Shakir I.	Study of scattering for a PEMC sphere with Bessel beam illumination	2023	Optical and Quantum Electronics	55	5		
699.	Akhter N., Noreen A., Saifullah S., Noman A., Shahnaz M.M., Letuma P.M., Kausar A., Siddique M., Hashem M., Alamri S., Al-zoubi O.M., Saleem M., Khalid	Salt ions mediated changes in biochemical and anatomical characteristics of Brassica napus can be countered with Moringa	2023	South African Journal of Botany	156		352	364

	N., Aqeel M.	Leaf extract						
700.	Ehsan B., Haque A., Qasim M., Ali A., Sarwar Y.	High prevalence of extensively drug resistant and extended spectrum beta lactamases (ESBLs) producing uropathogenic Escherichia coli isolated from Faisalabad, Pakistan	2023	World Journal of Microbiology and Biotechnology	39	5		
701.	Ahmad N., Anwar F., Abbas A., Shahid M., Iqbal M., Al-Mijalli S.H., Iqbal S., Tian M., Zhao C., Nazir A.	Appraisal of wild fig fruits for nutra-pharmaceutical and biological attributes	2023	Arabian Journal of Chemistry	16	5		
702.	Saeed A., Akhtar M.F., Saleem A., Akhtar B., Sharif A.	Reproductive and metabolic toxic effects of polystyrene microplastics in adult female Wistar rats: a mechanistic study	2023	Environmental Science and Pollution Research	30	22	63185	63199
703.	Farooq U., Imran M., Fatima N., Noreen S., Tahir M., AkgÃ¼l A., De la Sen M., Galal A.M.	Cattaneo-Christov heat flux model in radiative flow of (Fe3O4â€”TiO2/Transforme	2023	Case Studies in Thermal Engineering	45			

		r oil) and (Cu ²⁺ /TiO ₂ /Transformer oil) magnetized hybrid nanofluids past through double rotating disks						
704.	Mustafa S., Anwar H., Ain Q., Ahmed H., Iqbal S., Ijaz M.U.	Therapeutic effect of gossypetin against paraquat-induced testicular damage in male rats: a histological and biochemical study	2023	Environmental Science and Pollution Research	30	22	62237	62248
705.	Tariq M., Hussain N., Rehman K., Akash M.S.H., Al Haddad A.H.I., Said A.S.A., Fatease A.A., Alamri A., Safhi A.Y., Sabei F.Y., Awadh A.A.A., Hussain M.	Macrophages M2 polarization is involved in lapatinib-mediated chemopreventive effects in the lung cancer	2023	Biomedicine and Pharmacotherapy	161			
706.	Shehzadi K., Tariq A., Zubair M., Mahmood T., Kosar N., Karakaya I., Rasool N., Rizwan K.	Synthesis of pyridine and furan based arylated ketones through palladium catalyst with DFT study of their	2023	Inorganic Chemistry Communications	151			

		static and frequency dependent NLO response						
707.	Chen F., Ali S., Ma J., Arshad S., Ahmad S.	Material productivity and environmental degradation: Moderating role of environment-related technologies in achieving carbon neutrality	2023	Gondwana Research	117		155	168
708.	Islam F., Imran A., Afzaal M., Saeed F., Asghar A., Shahid S., Shams A., Zahra S.M., Biswas S., Aslam M.A.	Nutritional, functional, and ethno-medical properties of sweet corn cob: a concurrent review	2023	International Journal of Food Science and Technology	58	5	2181	2188
709.	Nazeer M., Hussain F., TÃ¼rkylmazoÇşlu M., Javed M.A., Shahzad Q.	Development of Highly Viscous Multiphase Fluid Flows: Towards an Approximate Analysis	2023	Journal of Computational Biophysics and Chemistry	22	3	371	381
710.	Ur Rehman A., Abbas G., Ayoub B., Amin N., Ajaz un Nabi M., Morley N.A., Akhtar M., Imran Arshad M., Uzair Khalid M.,	Impact of Ni ²⁺ on the structural, optical, electrical, and dielectric properties of Cu _{0.25} Co _{0.25} Mg _{0.5} -	2023	Materials Science and Engineering: B	291			

	Afzaal M., Ghuffar A., Arshad M.	$x\text{Ni}x\text{Ce}_{0.03}\text{Fe}_{1.97}\text{O}_4$ spinel ferrites synthesized via sol-gel auto combustion (SGAC) route						
711.	Chen F., Aqeel M., Khalid N., Irshad M.K., Farhat F., Nazir A., Ma J., Akhtar M.S., Eldesoky G.E., Aljuwayid A.M., Noman A.	Glutathione treatment suppresses the adverse effects of microplastics in rice	2023	Chemosphere	322			
712.	Irshad S., Sultana H., Usman M., Ahmad M., Al-Hussain S.A., Zaki M.E.A.	Enhanced solubilization and encapsulation of direct dyes through self-assembled single and mixed micellar nanocarriers	2023	Environmental Technology and Innovation	30			
713.	Sultana N., Sarfraz M., Akram S., Rashid U., Naqvi S.A.R., Tariq M.I., Zia K.M., Janjua M.R.S.A.	Reactivity of 2,2-disubstituted quinazolinone towards electrophilic substitution: First in silico design to verify experimental evidence of quinazolinone-	2023	Journal of Physical Organic Chemistry	36	5		

		based new organic compounds						
714.	Manzoor U., Waqas H., Farooq U., Muhammad T., Imran M.	Entropy optimization of Marangoni flow of hybrid nanofluid under the influence of viscous dissipation and activation energy: With melting phenomenon	2023	ZAMM Zeitschrift fur Angewandte Mathematik und Mechanik	103	5		
715.	Shah S., Abbas G., Hanif M., Ali M., Ur Rehman A., Chand U.R., Khurram H.	Disposal Practices of Expired and Unused Medications Among Households in Punjab, Pakistan	2023	Current Drug Safety	18	2	196	201
716.	Onitsuka M., Farooq M., Iqbal M.N., Yasuno S., Shimomura Y.	A homozygous loss-of-function variant in the MPO gene is associated with generalized pustular psoriasis	2023	Journal of Dermatology	50	5	664	671
717.	Siddique A., Bhatti A.R., Butt A.D., Awan A.B., Ashique R.H., Younus M.U.	A hardware-friendly motion estimation algorithm for the HEVC standard in	2023	Multimedia Tools and Applications	82	11	16519	16532

		the context of low-delay video coding						
718.	Saleem S., Farhan M., Raza S., Awan F.G., Butt A.D., Safdar N.	Power Factor Improvement and MPPT of the Grid-Connected Solar Photovoltaic System Using Nonlinear Integral Backstepping Controller	2023	Arabian Journal for Science and Engineering	48	5	6453	6470
719.	Sherazi S., Abbasi A., Jamil A., Uzair M., Ikram A., Qamar S., Olamide A., Arshad M., Fried P., Ljubisavljevic M., Wang R., Bashir S.	Molecular hallmarks of long non-coding RNAs in aging and its significant effect on aging-associated diseases	2023	Neural Regeneration Research	18	5	959	968
720.	Nazeer M., Irfan M., Hussain F., Siddique I.	Entropy Generation Analysis in Blood-Gold Casson Nanofluid Through Horizontal Wavy Channel with Velocity and Thermal Slips: Applications in Skin Diseases	2023	Journal of Computational Biophysics and Chemistry	22	3	259	272

721.	Benkhadda O., Saih M., Chaji K., Ahmad S., Reha A.	A Compact Dual-Band CPW-Fed Slot Monopole Antenna for WiFi, WLAN and WiMAX Applications	2023	Arabian Journal for Science and Engineering	48	5	6089	6098
722.	Awais M., Kamal S., Ijaz F., Rafique M., Rehman S.	Improved Catalytic Performance of Aspergillus flavus Laccase Immobilized on the Zinc Ferrite Nanoparticles	2023	Catalysis Letters	153	5	1240	1249
723.	Islam F., Saeed F., Afzaal M., Hussain M., Ikram A., Khalid M.A.	Food grade nanoemulsions: promising delivery systems for functional ingredients	2023	Journal of Food Science and Technology	60	5	1461	1471
724.	Saleemi M., Anjum M., Rehman M.	Ubiquitous healthcare: a systematic mapping study	2023	Journal of Ambient Intelligence and Humanized Computing	14	5	5021	5046
725.	Shahzadi I., Islam M., Saeed H., Shahzadi A., Haider J., Haider A., Imran M., Rathore H.A., Ul-Hamid A., Nabgan W., Ikram M.	Facile synthesis of copolymerized cellulose grafted hydrogel doped calcium oxide nanocomposites with improved antioxidant activity for anti-	2023	International Journal of Biological Macromolecules	235			

		arthritic and controlled release of doxorubicin for anti-cancer evaluation						
726.	Yasir M., Attique M., Latif K., Chaudhary G.M., Afzal S., Ahmed K., Shahzad F.	Deep-learning-assisted business intelligence model for cryptocurrency forecasting using social media sentiment	2023	Journal of Enterprise Information Management	36	3	718	733
727.	Sohail A., Ahmed R., Peng J.-X., Munir T., Shahzad A., Singh S.K., De Oliveira M.C.	Controllable Fano-type optical response and four-wave mixing via magnetoelastic coupling in an opto-magnomechanical system	2023	Journal of Applied Physics	133	15		
728.	Rasool A., Kiran S., Gulzar T., Abrar S., Ghaffar A., Shahid M., Nosheen S., Naz S.	Biogenic synthesis and characterization of ZnO nanoparticles for degradation of synthetic dyes: A sustainable environmental cleaner approach	2023	Journal of Cleaner Production	398			

729.	Zulhussnain M., Zahoor M.K., Ranian K., Ahmad A., Jabeen F.	CRISPR Cas9 mediated knockout of sex determination pathway genes in <i>Aedes aegypti</i>	2023	Bulletin of Entomological Research	113	2	243	252
730.	Shahzadi E., Nawaz M., Iqbal N., Ali B., Adnan M., Saleem M.H., Okla M.K., Abbas Z.K., Al-Qahtani S.M., Al-Harbi N.A., Marc R.A.	Silicic and Ascorbic Acid Induced Modulations in Photosynthetic, Mineral Uptake, and Yield Attributes of Mung Bean (<i>Vigna radiata</i> L. Wilczek) under Ozone Stress	2023	ACS Omega	8	15	1397 1	13981
731.	Wang L., Deng Y., Kong F., Duan B., Saeed M., Xin M., Wang X., Gao L., Shen G., Wang J., Han Z., Wang Z., Song X.	Evaluating the effects of defoliant spraying time on fibre yield and quality of different cotton cultivars	2023	Journal of Agricultural Science	161	2	205	216
732.	Chu Y.-M., Rashid S., Sultana S., Inc M.	NEW NUMERICAL SIMULATION FOR THE FRACTAL-FRACTIONAL MODEL OF DEATHLY LASSA HEMORRHAGIC FEVER DISEASE IN	2023	Fractals	31	4		

		PREGNANT WOMEN WITH OPTIMAL ANALYSIS						
733.	Shi L.E.I., Rashid S., Sultana S., Khalid A., Agarwal P., Osman M.S.	SEMI-ANALYTICAL VIEW OF TIME-FRACTIONAL PDES WITH PROPORTIONAL DELAYS PERTAINING TO INDEX AND MITTAG-LEFFLER MEMORY INTERACTING WITH HYBRID TRANSFORMS	2023	Fractals	31	4		
734.	Ashraf M.A., Rasheed R., Rizwan M., Hussain I., Aslam R., Qureshi F.F., Hafiza B.S., Bashir R., Ali S.	Effect of exogenous taurine on pea (Pisum sativum L.) plants under salinity and iron deficiency stress	2023	Environmental Research	223			
735.	Ghouri F., Shahid M.J., Liu J., Lai M., Sun L., Wu J., Liu X., Ali S., Shahid M.Q.	Polyploidy and zinc oxide nanoparticles alleviated Cd toxicity in rice by modulating oxidative stress and expression levels of sucrose	2023	Journal of Hazardous Materials	448			

		and metal-transporter genes						
736.	Rashid S., El-Deeb A.A., Inc M., AkgÃ¼l A., Zakarya M., Weera W.	Stochastic dynamical analysis of the co-infection of the fractional pneumonia and typhoid fever disease model with cost-effective techniques and crossover effects	2023	Alexandria Engineering Journal	69		35	55
737.	Khan M.A., Afzal S., Gulbadan S., Mahmood K., Ashraf G.A., Akhtar M.N.	Investigation of structural, physical, spectral, photoluminescence, Raman, and dielectric properties of Ba ₂ Co ₂ GdxFe _{28-x} O ₄₆ hexaferrites	2023	Ceramics International	49	8	1214 4	12155
738.	Ikram M., Raza A., Ahmad S.O.A., Ashfaq A., Akbar M.U., Imran M., Dilpazir S., Khan M., Khan Q., Maqbool M.	Solar-Triggered Engineered 2D-Materials for Environmental Remediation: Status and Future Insights	2023	Advanced Materials Interfaces	10	11		
739.	Kiran S., Mumtaz U., Mustafa A., Imran M., Hussain F., Rasheed U.,	An ab initio investigation of the structural, mechanical,	2023	RSC Advances	13	16	1119 2	11200

	Khalil R.M.A., Khera E.A., Nazir A.	electronic, optical, and thermoelectric characteristics of novel double perovskite halides Cs ₂ CaSnX ₆ (X = Cl, Br, I) for optically influenced RRAM devices						
740.	Adeel S., Rehman F.-U., Amin A., Amin N., Batool F., Hassan A., Ozomay M.	Sustainable exploration of coffee extracts (coffea arabica l.) for dyeing of microwave- treated bio- mordanted cotton fabric	2023	Pigment and Resin Technology	52	3	331	340
741.	Shafique I., Kalyar M.N., Ahmad B., Piersceniak A.	Moral exclusion in hospitality: testing a moderated mediation model of the relationship between perceived overqualification and knowledge- hiding behavior	2023	International Journal of Contemporary Hospitality Management	35	5	1759	1778
742.	Islam A., Usman K.,	Biomass-Derived	2023	Advanced Materials Technologies	8	7		

	Haider Z., Alam M.F., Nawaz A., Sonar P.	Materials for Interface Engineering in Organic/Perovskite Photovoltaic and Light-Emitting Devices						
743.	Udhaya P.A., Ahmad A., Meena M., Queen M.A.J., Aravind M., Velusamy P., Almutairi T.M., Mohammed A.A.A., Ali S.	Copper Ferrite nanoparticles synthesised using a novel green synthesis route: Structural development and photocatalytic activity	2023	Journal of Molecular Structure	1277			
744.	Iftikhar R., Mazhar A., Iqbal M.S., Khan F.Z., Askary S.H., Sibtain H.	Ring forming transformations of ynamides via cycloaddition	2023	RSC Advances	13	16	10715	10756
745.	Al-Khafaji N.S.K., Al-Dahmoshi H.O.M., Chabuck Z.A.G., Mahdi Z.A.-A., Akram M., Sohail A., Laila U., Zainab R., Khalil M.T., Iftikhar M., Ozdemir F.A.	Microbiome and metabolomics	2023	Medical Journal of Babylon	20	2	236	239
746.	Bibi A., Sarfraz A., Sajjad A., Sarfraz I., Munawwar A., Zarbab A., Sattar M., Rasul A.	Emerging Role of SMYD Family of Proteins in Human Tumorigenesis	2023	Sains Malaysiana	52	4	1273	1289

		[Kemunculan Peranan Famili SMYD Protein dalam Tumorigenesis Manusia]						
747.	Zeilinger J., Niedermayr A., Quddoos A., Kantelhardt J.	Identifying under-adaptation of farms to climate change	2023	European Review of Agricultural Economics	50	2	497	528
748.	Demontis V., Isram M., Abbas Khan N., Amin N., Mahmood K., Rossella F.	ZnSe Nanoparticles for Thermoelectrics: Impact of Cu-Doping	2023	Crystals	13	4		
749.	Ramay S.M., Aldosary M.H., Mustafa G.M., Saba S., Atiq S., Aftab S., Ebdah M.A.	Exploring Relaxation Phenomenon in Cu-Substituted Ba ₂ NiWO ₆ Double Perovskites	2023	Crystals	13	4		
750.	Khan I., Mahmood S., Chattha M.U., Bilal Chattha M., Ahmad S., Awan M.I., Alqahtani F.M., Hashem M., Alhaithloul H.A.S., Qari S.H., Mahmood F., Hassan M.U.	Organic Amendments Improved the Productivity and Bio-Fortification of Fine Rice by Improving Physiological Responses and Nutrient Homeostasis under Salinity	2023	Plants	12	8		

		Stress						
751.	Bokhari T.H., Bano S., Adeel S., Fazal-ur-Rehman, Ahmed B., Al Mahmud M.A., Qayyum M.A., Khattak S.P.	Eco-Friendly Sustainable Dyeing of Cotton Fabric Using Reactive Violet 05 and Direct Violet 09 Dyes	2023	Coatings	13	4		
752.	Fatima S., Farzeen I., Ashraf A., Aslam B., Ijaz M.U., Hayat S., Sarfraz M.H., Zafar S., Zafar N., Unuofin J.O., Lebelo S.L., Muzammil S.	A Comprehensive Review on Pharmacological Activities of Pachypodol: A Bioactive Compound of an Aromatic Medicinal Plant Pogostemon Cablin Benth	2023	Molecules	28	8		
753.	Tufail B., Ashraf K., Abbasi A., Ali H.M., Sultan K., Munir T., Khan M.T., uz Zaman Q.	Effect of Selenium on Growth, Physio-Biochemical and Yield Traits of Lettuce under Limited Water Regimes	2023	Sustainability (Switzerland)	15	8		
754.	Anjum M.N., Qasim S., Ahmad M.N., Iqbal S., Abrar S., Nabi Z.	Photocatalytic degradation of reactive violet 1 by polyorthotoluidine/titanium dioxide	2023	Global Nest Journal	25	2	44	49

		nanocomposite						
755.	Li J., Zafar S., Javaid A., Perveen S., Hasnain Z., Ihtisham M., Abbas A., Usman M., El-Sappah A.H., Abbas M.	Zinc Nanoparticles (ZnNPs): High-Fidelity Amelioration in Turnip (Brassica rapa L.) Production under Drought Stress	2023	Sustainability (Switzerland)	15	8		
756.	Masmali I., Hassan R., Shuaib U., Razaq A., Razzaque A., Alhamzi G.	Stock Reordering Decision Making under Interval Valued Picture Fuzzy Knowledge	2023	Symmetry	15	4		
757.	Mustafa G., Younas S., Mahrosh H.S., Albeshr M.F., Bhat E.A.	Molecular Docking and Simulation-Binding Analysis of Plant Phytochemicals with the Hepatocellular Carcinoma Targets Epidermal Growth Factor Receptor and Caspase-9	2023	Molecules	28	8		
758.	Areej A., Nawaz H., Aslam I., Danial M., Qayyum Z., Rasool U.A., Asif J., Khalid A., Serfraz S.,	Investigation of NLR Genes Reveals Divergent Evolution on NLRome in	2023	Genes	14	4		

	Saleem F., Mubin M., Shoaib M., Shahnawaz-ul-Rehman M., Nahid N., Alkahtani S.	Diploid and Polyploid Species in Genus Trifolium						
759.	Afzal M.A., Azeem F., Afzal S., Afzal N., Rizwan M., Seo H., Shah A.A., Nawaz M.A.	Comparative Omics-Based Identification and Expression Analysis of a Two-Component System in Vigna radiata in Drought Stress	2023	Agronomy	13	4		
760.	Rehman I., Gondal H.Y., Zamir R., Al-Hussain S.A., Batool F., Irfan A., Noreen S., Roheen T., Nisar M., Zaki M.E.A.	Green Synthesis: The Antibacterial and Photocatalytic Potential of Silver Nanoparticles Using Extract of Teucrium stocksianum	2023	Nanomaterials	13	8		
761.	Arsalan M.Z., Hussain S.M., Javid A., Hussain M., Manzoor R., Jalees M.M., Rehan M.M., Sharif A.	SYNERGISTIC EFFECTS OF CITRIC ACID AND PHYTASE SUPPLEMENTED CANOLA MEAL BASED DIET ON GROWTH PERFORMANCE AND NUTRIENT DIGESTIBILITY OF	2023	Journal of Animal and Plant Sciences	33	2	416	424

		CYPRINUS CARPIO FINGERLINGS						
762.	Saleem Z., Ahsan U., Haseeb A., Altaf U., Batool N., Rani H., Jaffer J., Shahid F., Hussain M., Amir A., Rehman I.U., Saleh U., Shabbir S., Qamar M.U., Altowayan W.M., Raees F., Azmat A., Imam M.T., Skosana P.P., Godman B.	Antibiotic Utilization Patterns for Different Wound Types among Surgical Patients: Findings and Implications	2023	Antibiotics	12	4		
763.	Nasrullah A., Zahid M., Ali A., Ahmad M.N., Mujahid A., Hussain T., Latif U., Din M.I., Afzal A.	Ag-ZnS Embedded Polymeric Receptors for the Recognition of Human Serum Albumin	2023	Chemosensors	11	4		
764.	Ali F., Saleem A., Batool N., Khan H.A., Rehman R., Mehboob R., Akhter P., Hussain M.	Adsorption and kinetic studies of chromium (VI) removal using Ag ₂ Cu ₂ O ₃ nanop articles	2023	Zeitschrift fur Physikalische Chemie	237	45387	565	585
765.	Nejdi I.H., Bri S., Marzouk M., Ahmad S., Rhazi Y., Ait Lafkih M., Sheikh Y.A.,	UWB Circular Fractal Antenna with High Gain for Telecommunicati	2023	Sensors	23	8		

	Ghaffar A., Hussein M.	on Applications						
766.	Muzaffar H., Qamar I., Bashir M., Jabeen F., Irfan S., Anwar H.	Gymnema Sylvestre Supplementation Restores Normoglycemia, Corrects Dyslipidemia, and Transcriptionally Modulates Pancreatic and Hepatic Gene Expression in Alloxan-Induced Hyperglycemic Rats	2023	Metabolites	13	4		
767.	Shah Y.A., Bhatia S., Al-Harrasi A., Afzaal M., Saeed F., Anwer M.K., Khan M.R., Jawad M., Akram N., Faisal Z.	Mechanical Properties of Protein-Based Food Packaging Materials	2023	Polymers	15	7		
768.	Javeed T., Nawaz R., Al-Hussain S.A., Irfan A., Irshad M.A., Ahmad S., Zaki M.E.A.	Application of Advanced Oxidation Processes for the Treatment of Color and Chemical Oxygen Demand of Pulp and Paper Wastewater	2023	Water (Switzerland)	15	7		
769.	Afzal S., Barkat K.,	Formulation and	2023	Polymers	15	7		

	Ashraf M.U., Khalid I., Mehmood Y., Shah N.H., Badshah S.F., Naeem S., Khan S.A., Kazi M.	Characterization of Polymeric Cross-Linked Hydrogel Patches for Topical Delivery of Antibiotic for Healing Wound Infections						
770.	Munawar A., Shaheen M., Ramzan S., Masih S.A., Jabeen F., Younis T., Aslam M.	DIVERISTY and enzymatic potential of indigenous bacteria from unexplored contaminated soils in Faisalabad	2023	Heliyon	9	4		
771.	Rana S., Hussain L., Saleem U., Asif M., Lodhi A.H., Barkat M.Q., Riaz M., Jamil A.	Dose Dependent Effects of Aqueous Extract of Garcinia cambogia Desr. Against Letrozole Induced Polycystic Ovarian Syndrome in Female Adult Rats With Possible Mechanisms Exploration	2023	Dose-Response	21	2		
772.	Butt A.D., Khan J., Ahmad S., Ghaffar	Single-fed broadband CPW-	2023	PLoS ONE	18	45386		

	A., Abdullah Al-Gburi A.J., Hussein M.	fed circularly polarized implantable antenna for sensing medical applications						
773.	Sohail J., Zubair M., Hussain K., Faisal M., Ismail M., Haider I., Mumtaz R., Khan A.A., Khan M.A.	Pharmacological activities of Artemisia absinthium and control of hepatic cancer by expression regulation of TGF β 1 and MYC genes	2023	PLOS ONE	18	45386		
774.	Zaka S., Aqeel M., Mahmood A., Noman A., Rizvi Z.F., Sarfraz W., Nazir A., Arshad K., Khalid N.	Integrative Evaluation of the Ecological Hazards by Microplastics and Heavy Metals in Wetland Ecosystem	2023	Bulletin of Environmental Contamination and Toxicology	110	4		
775.	Ahmad G., Khalid A., Qamar M.U., Rasool N., Saadullah M., Bilal M., Bajaber M.A., Obaidullah A.J., Alotaibi H.F., Alotaibi J.M.	Antibacterial Efficacy of N-(4-methylpyridin-2-yl) Thiophene-2-Carboxamide Analogues against Extended-Spectrum- β -Lactamase Producing Clinical	2023	Molecules	28	7		

		Strain of Escherichia coli ST 131						
776.	Tahir M.N., Ali A., Khalid M., Ashfaq M., Naveed M., Murtaza S., Shafiq I., Asghar M.A., Orfali R., Perveen S.	Efficient Synthesis of Imine-Carboxylic Acid Functionalized Compounds: Single Crystal, Hirshfeld Surface and Quantum Chemical Exploration	2023	Molecules	28	7		
777.	Rasool G., Khan A.M., Malik I.R., Riaz M., Tahir I.M., Rehman A.U., Abbas M.	Reported Seroprevalence of Transfusion-Transmitted Infections in Voluntary and Replacement Donors	2023	Transfusion Medicine Reviews	37	2		
778.	Arshad M.I., Mehmood K., Amin N., Morley N.A., Thanh N.T.K.	Superior magnetodielectric properties of CoZnNd ferrites/GNPs composite materials for potential applications	2023	Composites Communications	39			
779.	Rahmat M., Kiran S., Gulzar T., Yusuf M., Nawaz R.,	Plant-assisted synthesis and characterization	2023	Environmental Science and Pollution Research	30	20	57587	57598

	Khalid J., Fatima N., Ullah A., Azam M.	of MnO ₂ nanoparticles for removal of crystal violet dye: an environmental remedial approach						
780.	Shahid M.N., Azmi W., Ali M., Islam M.U., Rizvi S.A.R.	Uncovering risk transmission between socially responsible investments, alternative energy investments and the implied volatility of major commodities	2023	Energy Economics	120			
781.	Ashfaq A., Sabugaa M.M., Moussa M.B., Almousa N., Shokralla E.A., Capangpangan R.Y., Alguno A.C., Hossain M.A., Alanazi A.M., Abboud M.	High thermoelectric power factor of Sr doped Bi ₂ Te ₃ thin film through energy filtering effect	2023	International Communications in Heat and Mass Transfer	143			
782.	Abbas Q., Latif I., Muneer M., Khan M.U., Baig K.B.	Distress tolerance, anxiety-related symptoms, stress, and depression among dropout and non-dropout	2023	Journal of the Pakistan Medical Association	73	4	882	885

		university students: a mediation analysis						
783.	Khalid M., Naeem M., Azam S.M., Ahmad N., Kausar S., Faiz M., Mustafa G., Ishtiaq A., Asad M., Khakwani A.Z., Rehman S.U., Irshad S., Riaz P., Rehman N.U., Hassan S., Tahir A.A., Khursheed Z.	Morphometric Analysis of Different Parameters for Labeo boga from Head Panjnad, Alipur, Punjab, Pakistan	2023	Egyptian Journal of Aquatic Biology and Fisheries	27	2	35	42
784.	Younas M., Rasool M.H., Khurshid M., Khan A., Nawaz M.Z., Ahmad I., Lakhan M.N.	Moringa oleifera leaf extract mediated green synthesis of silver nanoparticles and their antibacterial effect against selected gram-negative strains	2023	Biochemical Systematics and Ecology	107			
785.	Lubna, Zahid A., Mufti N., Ullah S., Nawaz M.W., Sharif A., Imran M.A., Abbasi Q.H.	IoT-Enabled Vacant Parking Slot Detection System Using Inkjet-Printed RFID Tags	2023	IEEE Sensors Journal	23	7	7828	7835
786.	Raza A., Charagh S., Abbas S., Hassan M.U., Saeed F., Haider S.,	Assessment of proline function in higher plants under extreme	2023	Plant Biology	25	3	379	395

	Sharif R., Anand A., Corpas F.J., Jin W., Varshney R.K.	temperatures						
787.	Jaleel H., Mansha A., Usman M., Shah Y., Asim S., Yusaf A., Rehman U.	DFT analysis on the reaction mechanism of Diels-Alder reaction between 2,4-hexane-1-ol and maleic anhydride	2023	Computational and Theoretical Chemistry	1222			
788.	Gao D., Asghar S., Hu R., Chen S., Niu R., Liu J., Chen Z., Xiao Y.	Recent advances in diverse nanosystems for nitric oxide delivery in cancer therapy	2023	Acta Pharmaceutica Sinica B	13	4	1498	1521
789.	Chu Y.-M., Farooq U., Mishra N.K., Ahmad Z., Zulfiqar F., Yasmin S., Khan S.A.	CFD analysis of hybrid nanofluid-based microchannel heat sink for electronic chips cooling: Applications in nano-energy thermal devices	2023	Case Studies in Thermal Engineering	44			
790.	Aravind M., Amalanathan M., Aslam S., Noor A.E., Jini D., Majeed S., Velusamy P., Alothman A.A.,	Hydrothermally synthesized Ag-TiO2 nanofibers (NFs) for photocatalytic dye degradation and antibacterial	2023	Chemosphere	321			

	Alshgari R.A., Saleh Mushab M.S., Sillanpaa M.	activity						
791.	Ikram M., Haider A., Imran M., Haider J., Naz S., Ul-Hamid A., Shahzadi A., Moeen S., Nazir G., Nabgan W., Bashir A., Ali S.	Cellulose grafted poly acrylic acid doped manganese oxide nanorods as novel platform for catalytic, antibacterial activity and molecular docking analysis	2023	Surfaces and Interfaces	37			
792.	Paker N.P., Mehmood S., Javed M.T., Damalas C.A., Rehman F., Chaudhary H.J., Munir M.Z., Malik M.	Elucidating molecular characterization of chlorpyrifos and profenofos degrading distinct bacterial strains for enhancing seed germination potential of Gossypium arboreum L	2023	Environmental Science and Pollution Research	30	16	48120	48137
793.	Farooq U., Waqas H., Aldhabani M.S., Fatima N., Alhushaybari A., Ali M.R., Sadat R., Muhammad T.	Modeling and computational framework of radiative hybrid nanofluid configured by a stretching surface subject to	2023	Arabian Journal of Chemistry	16	4		

		entropy generation: Using Keller box scheme						
794.	M. A. Asif H., Kamal S., Aziz-ur-Rehman, Bibi I., AlMasoud N., Alomar T.S., Iqbal M.	Synthesis characterization and evaluation of novel triazole based analogs as a acetylcholinester ase and α -glucosidase inhibitors	2023	Arabian Journal of Chemistry	16	4		
795.	Islam F., Amer Ali Y., Imran A., Afzaal M., Zahra S.M., Fatima M., Saeed F., Usman I., Shehzadi U., Mehta S., Shah M.A.	Vegetable proteins as encapsulating agents: Recent updates and future perspectives	2023	Food Science and Nutrition	11	4	1705	1717
796.	Sajid M.M., Zhai H., Anwar N., Shad N.A., Sohail M., Javed Y., Amin N., Al-Bahrani M., Morsy K., Zhang Z., Iqbal M.A., Lai W.-C.	Synthesis, structural characteristics, and photocatalytic performance of Zn ₃ -xBix(VO ₄) ₂ heterostructures	2023	Surfaces and Interfaces	37			
797.	Rasool N., Razzaq Z., Gul Khan S., Javaid S., Akhtar N., Mahmood S., Christensen J.B., Ali	A facile synthesis of 1,3,4-oxadiazole-based carbamothioate molecules:	2023	Arabian Journal of Chemistry	16	4		

	Altaf A., Muhammad Muneeb Anjum S., Alqahtani F., AlAsmari A.F., Imran I.	Antiseizure potential, EEG evaluation and in-silico docking studies						
798.	Farooq U., Waqas H., E.Alhazmi S., Alhushaybari A., Imran M., Sadat R., Muhammad T., Ali M.R.	Numerical treatment of Casson nanofluid Bioconvectonal flow with heat transfer due to stretching cylinder/plate: Variable physical properties	2023	Arabian Journal of Chemistry	16	4		
799.	Iqbal M.S., Yao Z.- B., Ruan Y.-K., Iftikhar R., Hao L.- D., Robertson A.W., Imran S.M., Sun Z.-Y.	Single-atom catalysts for electrochemical N2 reduction to NH3	2023	Rare Metals	42	4	1075	1097
800.	Usman I., Imran A., Arshad M.U., Saeed F., Afzaal M., Sana S., Islam F., Siddiqua A., Naeem U., Islam S.	Valorization of mustard and sesame oilseed cakes for food application through eco- innovative technologies	2023	Food Science and Nutrition	11	4	1818	1825
801.	Mukhtar S., Xiaoxiong Z., Khalid W., Moreno A., Lorenzo J.M.	In Vitro Antioxidant Capacity of Purified Bioactive	2023	Food Analytical Methods	16	4	651	663

		Compounds in Milk Thistle Seed (Silybum marianum) Along with Phenolic Profile						
802.	Yang Y., Li G., Luo T., Al-Bahrani M., Al-Ammar E.A., Sillanpaa M., Ali S., Leng X.	The innovative optimization techniques for forecasting the energy consumption of buildings using the shuffled frog leaping algorithm and different neural networks	2023	Energy	268			
803.	Abbas H., Javed N., Kamran M., Khan S.A., Jabbar A., Hameed A., Abbas H., Iqbal A., Ehetisham-Ul-Haq	Impact of Integrative Management Strategies on the Reproduction of Root Knot Nematode, Meloidogyne incognita	2023	Pakistan Journal of Zoology	55	2	755	763
804.	Rahim M.A., Naeem M., Khalid K., Imran M., Khan M.K., Khan M.I., Nisa M.U., Sarwar M., Awuchi C.G.	Effects of different levels of egg protein replacement in weaned diets on hematology, kidney functions, and immunity	2023	Food Science and Nutrition	11	4	1747	1754

		biomarkers						
805.	Abid F., Saleem M., Maqbool T., Shakoori T.A., Hadi F., Muhammad T., Aftab S., Hassan Y., Akhtar S.	In vivo Anti- Inflammatory and Anti-Arthritic Potential of Ethanollic Acacia modesta Extract on CFA-Induced Adjuvant Arthritic Rats	2023	Pakistan Journal of Zoology	55	2	649	657
806.	Umar E., Ikram M., Haider J., Nabgan W., Haider A., Imran M., Nazir G.	A state-of-the-art review on carbon quantum dots: Prospective, advances, zebrafish biocompatibility and bioimaging in vivo and bibliometric analysis	2023	Sustainable Materials and Technologies	35			
807.	Zahoor N., Khan M.A., Ashraf G.A., Junaaid M., Gulbadan S., Mahmood K.	Insight of terbium substitution on the structural, spectroscopic, and dielectric characteristics of the Ba ²⁺ /Mg ²⁺ /Fe ³⁺ O system	2023	Ceramics International	49	7	1156 3	11570
808.	Hashmat U., Rasool N., Kausar S., Altaf A.A.	Azo-guanidine- based novel molecules for dye-sensitized	2023	Chemical Papers	77	4	2031	2038

		solar cell applications: a density functional theory study						
809.	Ashfaq A., Smirani L.K., Abboud M., Rehman U.U., Fadhali M.M., Hegazy H.H., Hossain M.A., Ali A., Mehmood K., Amin N.	Enhancing the thermoelectric power factor of nanostructured SnO ₂ via Bi substitution	2023	Ceramics International	49	7	10360	10364
810.	Ahmad M.M., Chatha S.A.S., Hussain A.I., Khan I.	Chemical modification and antioxidant activities of Carissa carandas fruit polysaccharides	2023	Journal of Food Measurement and Characterization	17	2	1175	1185
811.	Wang Q.-Q., Hussain L., Yu P.-H., Yang C., Zhu C.-Y., Ma Y.-F., Wang S.-C., Yang T., Kang Y.-Y., Yu W.-J., Maimaitiyiming Y., Naranmandura H.	Hyperthermia promotes degradation of the acute promyelocytic leukemia driver oncoprotein ZBTB16/RAR α	2023	Acta Pharmacologica Sinica	44	4	822	831
812.	Khan I., Wang C., Khan S., Chen J., Khan A., Shah S.A., Yuan A., Khan S., Butt M.K., Asghar H.	Bio-capped and green synthesis of ZnO/g-C ₃ N ₄ nanocomposites and its improved antibiotic and photocatalytic	2023	Chinese Journal of Chemical Engineering	56		215	224

		activities: An exceptional approach towards environmental remediation						
813.	Hussain I., Afzal S., Ashraf M.A., Rasheed R., Saleem M.H., Alatawi A., Ameen F., Fahad S.	Effect of Metals or Trace Elements on Wheat Growth and Its Remediation in Contaminated Soil	2023	Journal of Plant Growth Regulation	42	4	2258	2282
814.	Ahmad W., Khalid I., Barkat K., Minhas M.U., Khan I.U., Syed H.K., Mali N.S., Jamshed A., Ikram A., Badshah M.	Development and evaluation of polymeric nanogels to enhance solubility of letrozole	2023	Polymer Bulletin	80	4	4085	4116
815.	Mubeen H., Farooq M., Rehman A., Zubair M., Haque A.	Gene expression and transcriptional regulation driven by transcription factors involved in congenital heart defects	2023	Irish Journal of Medical Science	192	2	595	604
816.	Khan F., Malik S., Shahid A., Siddiqui A.J., Musharraf S.G., Zhu H., Alkhatabi N.A.,	Characterization of a newly isolated cyanobacterium Trichocoleus	2023	Biomass Conversion and Biorefinery	13	6	5283	5294

	Gull M., Mehmood M.A.	desertorum BERC08 as a potential feedstock for the algal biorefinery						
817.	Rashid K., Tariq M., Kotta-Loizou I., Ashraf M., Shaheen S., Hussain K.	Identification and Molecular Characterization of Cotton Leaf Curl Begomovirus Complex Infecting Cotton in Baluchistan, Pakistan	2023	International Journal of Agriculture and Biology	29	4	281	287
818.	Tamseel M., Mahmood K., Ali A., Javaid K., Mufti H.	Controlled growth of Ag-ZnO thin films by thermal evaporation technique for optimized thermoelectric power generation	2023	Journal of Alloys and Compounds	938			
819.	Kumari R., Shabbir M.S., Saleem S., Yahya Khan G., Abbasi B.A., Lopez L.B.	An empirical analysis among foreign direct investment, trade openness and economic growth: evidence from the Indian economy	2023	South Asian Journal of Business Studies	12	1	127	149
820.	Ahmad M.S., Siddique A.B.,	Synthesis, antioxidant	2023	RSC Advances	13	14	9222	9230

	Khalid M., Ali A., Shaheen M.A., Tahir M.N., Imran M., Irfan A., Khan M.U., Paixão M.W.	activity, antimicrobial efficacy and molecular docking studies of 4-chloro-2-(1- (4- methoxyphenyl)- 4,5-diphenyl-1H- imidazol-2- yl)phenol and its transition metal complexes						
821.	Rehman S.U., Ashfaq K., Bresciani S., Giacosa E., Mueller J.	Nexus among intellectual capital, interorganization al learning, industrial Internet of things technology and innovation performance: a resource-based perspective	2023	Journal of Intellectual Capital	24	2	509	534
822.	Waqas Nazir M., Nazeer M., Javed T., Ali N., Al- Basyouni K., Ijaz Khan M.	Hydrothermal features of the magnetite nanoparticles on natural convection flow through a square conduit by using the finite	2023	International Journal of Modern Physics B	37	7		

		element method						
823.	Ahmad A., Zahra M., Fakhar e Alam, Ali S., Pervaiz M., Saeed Z., Younas U., Mushtaq M., Rajendran S., Luque R.	A sustainable approach for the multi-dimensional exploitation of mixed biochar based nano-composites	2023	Fuel	336			
824.	Zeng F., Nazir M.M., Ahmed T., Noman M., Ali S., Rizwan M., Alam M.S., Lwalaba J.L.W., Zhang G.	Calcium and L-glutamate present the opposite role in managing arsenic in barley	2023	Environmental Pollution	321			
825.	Chen F., Li Y., Zia-ur-Rehman M., Hussain S.M., Qayyum M.F., Rizwan M., Alharby H.F., Alabdallah N.M., Alharbi B.M., Ali S.	Combined effects of zinc oxide nanoparticles and melatonin on wheat growth, chlorophyll contents, cadmium (Cd) and zinc uptake under Cd stress	2023	Science of the Total Environment	864			
826.	Zhang Y., Shen B., Sajjad Ahmad M., Zhou W., Khalid R.R., Ibrahim M., Bokhari A.	A three-dimensional active biochar for sintering in steel industry and remove methylene blue by synergistic activation of	2023	Fuel	336			

		H3PO4 and ZnCl2						
827.	Khalid H.M.B., Rasul A., Shah S., Abbas G., Mahmood A.	Disulfide Bridged Nanoparticles of Thiolated Sodium Alginate and Eudragit RS100 for Oral Delivery of Paclitaxel: In Vitro and In Vivo Evaluation	2023	ACS Omega	8	10	9662	9672
828.	Gull N., Asghar M., Bashir M., Liu X., Xiong Z.	Does a family- supportive supervisor reduce the effect of work-family conflict on emotional exhaustion and turnover intentions? A moderated mediation model	2023	International Journal of Conflict Management	34	2	253	272
829.	Khalid N., Aqeel M., Noman A., Fatima Rizvi Z.	Impact of plastic mulching as a major source of microplastics in agroecosystems	2023	Journal of Hazardous Materials	445			
830.	Zahra S., Shaheen T., Qasim M., Mahmood-Ur- Rahman, Hussain M., Zulfiqar S., Shaukat K., Mehboob-Ur-	Genome-wide survey of HMA gene family and its characterization in wheat (Triticum	2023	PeerJ	11			

	Rahman	aestivum)						
831.	Safeer A.A., He Y., Lin Y., Abrar M., Nawaz Z.	Impact of perceived brand authenticity on consumer behavior: an evidence from generation Y in Asian perspective	2023	International Journal of Emerging Markets	18	3	685	704
832.	Aun A., Hanif S., Ali I., Razzaq S., Basheer E., Bedar R., Aftab T., Irshad M., Muhammad T., Anwar O., Abdul Rehman H., Mazhar A., Ali Syed M.	Optimization of ranitidine hydrochloride based on stability performance in directly compressible immediate and sustained release formulations	2023	Pakistan journal of pharmaceutical sciences	36	2	525	533
833.	Mahmood M.R., Mohabbat M.D., Hammad H.M.	Historical Evolution and Prevention of Westophobia in Muslim Societies	2023	Journal of Islamic Thought and Civilization	13	1	309	319
834.	Ur Rahman J., Ahmad T., Khan M., Ur Rahman A., Ghani S., Ullah Khan F.	Assessment of prescribing patterns and medication errors related to prescriptions in hospitalized diabetes mellitus type-2 patients in Khyber	2023	Journal of Pharmaceutical Health Services Research	14	1	49	54

		Pakhtunkhwa, Pakistan						
835.	Riaz A., Santoro G., Ashfaq K., Ali F.H., Ur Rehman S.	Green Competitive Advantage and SMEs: Is Big Data the Missing Link?	2023	Journal of Competitiveness	15	1		
836.	Alhamzi G., Javaid S., Shuaib U., Razaq A., Garg H., Razzaque A.	Enhancing Interval-Valued Pythagorean Fuzzy Decision- Making through Dombi-Based Aggregation Operators	2023	Symmetry	15	3		
837.	Irfan A., Faisal S., Ahmad S., Al- Hussain S.A., Javed S., Zahoor A.F., Parveen B., Zaki M.E.A.	Structure-Based Virtual Screening of Furan-1,3,4- Oxadiazole Tethered N- phenylacetamide Derivatives as Novel Class of hTYR and hTYRP1 Inhibitors	2023	Pharmaceuticals	16	3		
838.	Salman M., Fazal- ur-Rehman, Adeel S., Habib N., Batool F., Usama M., Iqbal F., Fatima A.	Extraction of Anthocyanin from Rose Petals for Coloration of Biomordanted Wool Fabric	2023	Coatings	13	3		
839.	Bano K., Raza M., Xin Q., Tchier F., Malik S.N.	Starlike Functions Associated with Secant	2023	Symmetry	15	3		

		Hyperbolic Function						
840.	Bajaber M.A., Hussain G., Farooq T., Noreen R., Ibrahim M., Umbreen H., Batool S., Rehman K., Hameed A., Farid M.F., Khalid T.	Nanosuspension of Foeniculum Vulgare Promotes Accelerated Sensory and Motor Function Recovery after Sciatic Nerve Injury	2023	Metabolites	13	3		
841.	Naz A., Rebi A., Naz R., Akbar M.U., Aslam A., Kalsom A., Niaz A., Ahmad M.I., Nawaz S., Kausar R., Ali B., Saleem M.H., Zhou J.	Impact of Green Manuring on Health of Low Fertility Calcareous Soils	2023	Land	12	3		
842.	Mehmood K., Ullah S., Tul Kubra K.	Mathematical modeling of fluid flow and pollutant transport in a homogeneous porous medium in the presence of plate stacks	2023	Heliyon	9	3		
843.	Muhammad W., Wu L., El Kasmi A., Muhammad A., Tian Z.	Fe-Promoted Copper Oxide Thin-Film Catalysts for the Catalytic Reduction of N2O	2023	Journal of Thermal Science	32	2	531	541

		in the Presence of Methane						
844.	Kong H., Meng X., Akram N.A., Zhu F., Hu J., Zhang Z.	Seed Priming with Fullerol Improves Seed Germination, Seedling Growth and Antioxidant Enzyme System of Two Winter Wheat Cultivars under Drought Stress	2023	Plants	12	6		
845.	Akhtar R., Zahoor A.F., Mansha A., Kamal S., Khan S.G., Raza Z., Ali K.G.	Protease inhibition, in vitro antibacterial and IFD/MM-GBSA studies of ciprofloxacin-based acetanilides	2023	PLoS ONE	18	45354		
846.	Vuković S., Popović-Djordjević J.B., Kostić A.½., Pantelić N.D., Srećković N., Akram M., Laila U., Katanić Stanković J.S.	Allium Species in the Balkan Region—Major Metabolites, Antioxidant and Antimicrobial Properties	2023	Horticulturae	9	3		
847.	Tassaddiq A., Kanwal S., Lakhani F., Srivastava R.	Strong and $\hat{\Gamma}$ -Convergence Fixed-Point Theorems Using	2023	Axioms	12	3		

		Noor Iterations						
848.	Mustafa G., Mahrosh H.S., Attique S.A., Arif R., Farah M.A., Al- Anazi K.M., Ali S.	Identification of Plant Peptides as Novel Inhibitors of Orthohepevirus A (HEV) Capsid Protein by Virtual Screening	2023	Molecules	28	6		
849.	Fatima K., Imran M., Ahmad M.H., Khan M.K., Khalid W., AL-Farga A., Alansari W.S., Shamlan G., Eskandrani A.A.	Ultrasound- Assisted Extraction of Protein from Moringa oleifera Seeds and Its Impact on Techno- Functional Properties	2023	Molecules	28	6		
850.	Mushtaq A., Zahoor A.F., Bilal M., Hussain S.M., Irfan M., Akhtar R., Irfan A., Kotwica- Mojzych K., Mojzych M.	Sharpless Asymmetric Dihydroxylation: An Impressive Gadget for the Synthesis of Natural Products: A Review	2023	Molecules	28	6		
851.	Ali A., Hameed I., Hussain I., Mujahid R., Ahmad R.T.M., Yahya Z., Waqas M., Ammar M.	High performance asymmetric supercapacitor based on hydrothermally synthesized ZnO	2023	Journal of Materials Science: Materials in Electronics	34	8		

		nanosheets embedded on Ni foam						
852.	Khalid M., Naeem M., Azam S.M., Ahmad N., Kausar S., Mustafa G., Asad M., Qureshi H., Atiq I., Raza S., Faiz M., Khakwani A.Z., Irshad S., Riaz P., Lal V., Rehman N.U., Khursheed Z.	Morphometric and Length-Weight Relationship of the Nile tilapia (<i>Oreochromis niloticus</i> (Linnaeus, 1758) from Head Panjnad, Punjab, Pakistan	2023	Egyptian Journal of Aquatic Biology and Fisheries	27	2	25	33
853.	Yasmin S., Khan S.A., Fatima N., Imran M., Tahir M., Waqas H., Farooq U., Xu Y.-J.	Computational analysis of MHD MgOâ'' water nanofluid flow inside hexagonal enclosure fitted with fins	2023	Case Studies in Thermal Engineering	43			
854.	Saeed S., Makhdum M.S.A., Anwar S., Yaseen M.R.	Climate Change Vulnerability, Adaptation, and Feedback Hypothesis: A Comparison of Lower-Middle, Upper-Middle, and High-Income Countries	2023	Sustainability (Switzerland)	15	5		
855.	Wakil W., Kavallieratos N.G., Nika E.P., Riasat T.,	Entomopathogenic Fungus and Enhanced	2023	Sustainability (Switzerland)	15	5		

	Ghazanfar M.U., Rasool K.G., Husain M., Aldawood A.S.	Diatomaceous Earth: The Sustainable Lethal Combination against Tribolium castaneum						
856.	Yousaf R., Khan M.I., Akhtar M.F., Madni A., Sohail M.F., Saleem A., Irshad K., Sharif A., Rana M.	Development and in-vitro evaluation of chitosan and glyceryl monostearate based matrix lipid polymer hybrid nanoparticles (LPHNPs) for oral delivery of itraconazole	2023	Heliyon	9	3		
857.	Dehbi M., Dehbi F., Kanjai M.I., Tahraoui H., Zamouche M., Amrane A., Assadi A.A., Hadadi A., Mouni L.	Analysis of Heavy Metal Contamination in Macroalgae from Surface Waters in Djelfa, Algeria	2023	Water (Switzerland)	15	5		
858.	Kleebayoon A., Mungmunpuntipan tip R., Wiwanitkit V.	Correspondence on Monkeypox	2023	Workplace Health and Safety	71	3	100	
859.	Jia Z., Tiwari S., Zhou J., Farooq M.U., Fareed Z.	Asymmetric nexus between Bitcoin, gold resources and	2023	Resources Policy	81			

		stock market returns: Novel findings from quantile estimates						
860.	Mazhar M.W., Ishtiaq M., Maqbool M., Ajaib M., Hussain I., Hussain T., Parveen A., Thind S., Sardar T., Akram R., Azeem M., Gul A.	Synergistic application of calcium oxide nanoparticles and farmyard manure induces cadmium tolerance in mung bean (<i>Vigna radiata</i> L.) by influencing physiological and biochemical parameters	2023	PLoS ONE	18	45354		
861.	Younis T., Jabeen F., Hussain A., Rasool B., Raza Ishaq A., Nawaz A., El-Nashar H.A.S., El-Shazly M.	Antioxidant and Pulmonary Protective Potential of Fraxinus xanthoxyloides Bark Extract against CCl4-Induced Toxicity in Rats	2023	Chemistry and Biodiversity	20	3		
862.	Naseeb W., Liu Q., Nichols F., Pan D., Khosa M.K., Chen S.	Ru-CoO heterostructured nanoparticles supported on nitrogen and sulfur codoped	2023	Journal of Electroanalytical Chemistry	932			

		graphene nanosheets as effective electrocatalysts for hydrogen evolution reaction in alkaline media						
863.	Hameed A., Ishtiaq F., Zeeshan M., Akhtar S., Ismail T., Ahmad R.S., Amir M., Anwar M.J.	Combined antidiabetic potential of camel milk yogurt with Cinnamomum verum and Stevia rebaudiana by using rodent modelling	2023	Journal of Food Science and Technology	60	3	1175	1184
864.	Waqas H., Farooq U., Yang S., Muhammad T., Imran M.	Heat transfer aspects in Carreau nanofluid having hybrid nanoparticles through a porous medium	2023	ZAMM Zeitschrift für Angewandte Mathematik und Mechanik	103	3		
865.	Saleem M., Nawaz H., Majeed M.I., Rashid N., Anjum F., Tahir M., Shahzad R., Sehar A., Sabir A., Rafiq N., Ishtiaq S., Shahid M.	Surface-enhanced Raman spectroscopy (SERS) for the characterization of supernatants of bacterial cultures of	2023	Photodiagnosis and Photodynamic Therapy	41			

		bacterial strains causing sinusitis						
866.	Haq I., Shakoor A., Al-Harbi F.F., Mufti H., Sharafat Hussain M., Ikram S., Yasir Ali M., Mahmood K., Ali A., Amin N., Javaid K., Ilyas S.Z.	Linkage of thermoelectric properties with the structural parameters in zinc indium oxide (ZnInO) thin films grown by physical vapor deposition (PVD)	2023	Inorganic Chemistry Communications	149			
867.	Aqeel M., Ran J., Hu W., Irshad M.K., Dong L., Akram M.A., Eldesoky G.E., Aljuwayid A.M., Chuah L.F., Deng J.	Plant-soil-microbe interactions in maintaining ecosystem stability and coordinated turnover under changing environmental conditions	2023	Chemosphere	318			
868.	Tariq M., Hasnain N., Rasul I., Asad M.A., Javed A., Rashid K., Shafique J., Iram W., Hameed A., Zafar M.	Reconnoitering the capabilities of nodule endophytic <i>Pantoea dispersa</i> for improved nodulation and grain yield of chickpea (<i>Cicer arietinum</i> L.)	2023	World Journal of Microbiology and Biotechnology	39	3		
869.	Naeem M., Hazafa	Explorations of	2023	Life Sciences	316			

	A., Bano N., Ali R., Farooq M., Razak S.I.A., Lee T.Y., Devaraj S.	CRISPR/Cas9 for improving the long-term efficacy of universal CAR-T cells in tumor immunotherapy						
870.	Lu S., Huang D., Shahzad A., Feng Y.	Bulk moduli of two-dimensional Yukawa solids and liquids obtained from periodic compressions	2023	Plasma Science and Technology	25	3		
871.	Khan I.A., Rasheed A., Farid A., Raza A., Yousaf M., Abbas A.	Structural, optical and dielectric properties of chemical vapor transport based synthesis of rice-like nanostructured cadmium zinc oxide films	2023	Thin Solid Films	768			
872.	Rehman A.U., Sharif S., Hegazy H.H., Morley N., Amin N., Akhtar M., Arshad M.I., Farooq Z., Munir Z., Munir T.	Low dielectric loss, and enhanced magneto-dielectric properties of Cu _{0.5} Cd _{0.5} -xCo _x Fe ₂ O ₄ ferrites via Co ²⁺ substitution	2023	Materials Today Communications	34			

873.	Fatima A., Farid M., Asam Z.U.Z., Zubair M., Farid S., Abbas M., Rizwan M., Ali S.	Efficacy of marigold (<i>Tagetes erecta</i> L.) for the treatment of tannery and surgical industry wastewater under citric acid amendment: a lab scale study	2023	Environmental Science and Pollution Research	30	15	43403	43418
874.	Abu Ali O.A., Khan M.U., Asghar M.A., Mahmoud S.F., El-Bahy S.M., Baby R., Janjua M.R.S.A.	A new cyano (π -C[π]N) free molecular design perspective for constructing carbazole-thiophene based environmental friendly organic solar cells	2023	Physica B: Condensed Matter	652			
875.	Ikram M., Haider A., Imran M., Haider J., Naz S., Ul-Hamid A., Shahzadi A., Ghazanfar K., Nabgan W., Moeen S., Ali S.	Assessment of catalytic, antimicrobial and molecular docking analysis of starch-grafted polyacrylic acid doped BaO nanostructures	2023	International Journal of Biological Macromolecules	230			
876.	Arshad K., Aqeel M., Noman A., Nazir A., Mahmood A., Rizvi Z.F.,	Ecological health risk assessment of microplastics and heavy metals	2023	Environmental Science and Pollution Research	30	14	41272	41285

	Sarfraz W., Hyder S., Zaka S., Khalid N.	in sediments, water, hydrophytes (Alternanthera philoxeroides, Typha latifolia, and Ipomoea carnea), and fish (Labeo rohita) in Marala wetlands in Sialkot, Pakistan						
877.	Husnaan M., Raza A., Habib N., Adeel S., Iqbal N., Javed M.T.	Microwave-assisted sustainable exploration of cocklebur leaves (Xanthium strumarium L.) as a novel source of distinct yellow natural colorant for dyeing cotton fabric	2023	Environmental Science and Pollution Research	30	14	42246	42254
878.	Anwar H., Navaid S., Muzaffar H., Hussain G., Faisal M.N., Ijaz M.U., RiĀʻanoviĀ S.	Analyzing cross-talk of EPO and EGF genes along with evaluating therapeutic potential of Cinnamomum verum in cigarette-smoke-induced lung	2023	Food Science and Nutrition	11	3	1486	1498

		pathophysiology in rat model						
879.	Akram N., Saeed F., Afzaal M., Shah Y.A., Qamar A., Faisal Z., Ghani S., Ateeq H., Akhtar M.N., Tufail T., Hussain M., Asghar A., Rasheed A., Jbawi E.A.	Gut microbiota and synbiotic foods: Unveiling the relationship in COVID-19 perspective	2023	Food Science and Nutrition	11	3	1166	1177
880.	Wakil W., Kavallieratos N.G., Nika E.P., Ali A., Yaseen T., Asrar M.	Two are better than one: the combinations of <i>Beauveria</i> <i>bassiana</i> , diatomaceous earth, and indoxacarb as effective wheat protectants	2023	Environmental Science and Pollution Research	30	14	4186 4	41877
881.	Hussain A., Bourguet- Kondracki M.-L., Majeed M., Ibrahim M., Imran M., Yang X.-W., Ahmed I., Altaf A.A., Khalil A.A., Rauf A., Wilairatana P., Hemeg H.A., Ullah R., Green I.R., Ali I., Shah S.T.A.,	Marine life as a source for breast cancer treatment: A comprehensive review	2023	Biomedicine and Pharmacotherapy	159			

	Hussain H.							
882.	Shahzad A., Kashif M., Hussain A., Noreen M., He M.-G., Hussain T., Razzokov J., Belabbas M., Bashir S.	Enhanced photocatalysis activity of doped magnetic semiconductor (Rh/Ir):CdS by improving charge-carrier transfer mechanism	2023	Physica B: Condensed Matter	652			
883.	Khalid N., Noman A., Nazir A., Tufail A., Hadayat N., Alzuaibr F.M., Ikram S., Akhter N., Hussain M., Aqeel M.	Nerium oleander could be used for sustainable management of traffic-borne elemental-enriched roadside soils	2023	Environmental Science and Pollution Research	30	14	4055 1	40562
884.	Rashid T., Sher F., Jusoh M., Joya T.A., Zhang S., Rasheed T., Lima E.C.	Parametric optimization and structural feature analysis of humic acid extraction from lignite	2023	Environmental Research	220			
885.	Sabir A., Majeed M.I., Nawaz H., Rashid N., Javed M.R., Iqbal M.A., Shahid Z., Ashfaq R., Sadaf N., Fatima R., Sehar A., Zulfiqar A.	Surface-enhanced Raman spectroscopy for studying the interaction of N-propyl substituted imidazole compound with	2023	Photodiagnosis and Photodynamic Therapy	41			

		salmon sperm DNA						
886.	Arooj S., Naz S., Jabeen F., Sultana T.	Biomonitoring of heavy metals and their association with DNA damage in Indian peafowl (<i>Pavo cristatus</i>) under captivity	2023	Environmental Science and Pollution Research	30	13	38306	38318
887.	Alothman A.A., Ayub A., Hachim S.K., Mohammed B.M., Hussain F., Altaf M., Kadhim Z.J., Lafta H.A., Alnassar Y.S., Shams M.A., Almuhaus N.A., Ouladsmame M., Sillanpaa M.	Facile synthesis and comparative study of the enhanced photocatalytic degradation of two selected dyes by TiO ₂ -g-C ₃ N ₄ composite	2023	Environmental Science and Pollution Research	30	13	37332	37343
888.	Kousar S., Bhutta A.I., Ullah M.R., Shabbir A.	Impact of economic and green growth on poverty, income inequalities, and environmental degradation: a case of South Asian economies	2023	Environmental Science and Pollution Research	30	12	35200	35213
889.	Kaloom U., Bhatti H.N., Aftab K., Amin F., Jesionowski T., Bilal	Biocatalytic potential of <i>Brassica oleracea</i> L. var. <i>botrytis</i>	2023	Bioprocess and Biosystems Engineering	46	3	453	465

	M.	leaves peroxidase for efficient degradation of textile dyes in aqueous medium						
890.	Saleem U., Khalid S., Chauhdary Z., Anwar F., Shah M.A., Alsharif I., Babalghith A.O., Khayat R.O., Albalawi A.E., Baokbah T.A.S., Farrukh M., Vargas-De-La-Cruz C., Panichayupakarant P.	The curative and mechanistic acumen of curcuminoids formulations against haloperidol induced Parkinson's disease animal model	2023	Metabolic Brain Disease	38	3	1051	1066
891.	Nasreen G., Haneef K., Tamoor M., Irshad A.	Review: a comparative study of state-of-the-art skin image segmentation techniques with CNN	2023	Multimedia Tools and Applications	82	7	10921	10942
892.	Rafique M.A., Kiran S., Jamal A., Abrar S., Jalal F., Rahman N.	Nickel nanoparticles synthesized from Psidium guajava peels mediated degradation of Orange E3 dye reactive dye: a	2023	International Journal of Environmental Science and Technology	20	3	2733	2744

		sustainable approach						
893.	Abbasi R.P., Akram M.S., Rafiq K., Basheer S., Iqbal N.	Staphylococcus Sciuri SAT-17 Facilitated in Vitro Regenerated Sugarcane Plantlets Cultivation in Saline Soil by Harmonizing Oxidative Signaling, Photosynthetic Efficiency and Nutrients Uptake Patterns	2023	Journal of Soil Science and Plant Nutrition	23	1	163	176
894.	Shad M.I., Ashraf M.A., Rasheed R., Hussain I., Ali S.	Exogenous Coumarin Decreases Phytotoxic Effects of Manganese by Regulating Ascorbateâ€“Glutathione Cycle and Glyoxalase System to Improve Photosynthesis and Nutrient Acquisition in Sesame (Sesamum	2023	Journal of Soil Science and Plant Nutrition	23	1	251	274

		indicum L.)						
895.	Javed K., Mahmood S., Ammar M., Abbas N., Shah M.Y., Ahmed T., Mustafa G.	Rice husk ash adsorbent modified by iron oxide with excellent adsorption capacity for arsenic removal from water	2023	International Journal of Environmental Science and Technology	20	3	2819	2828
896.	Saleem M.H., Mfarrej M.F.B., Alatawi A., Mumtaz S., Imran M., Ashraf M.A., Rizwan M., Usman K., Ahmad P., Ali S.	Silicon Enhances Morpho“Physi o“Biochemical Responses in Arsenic Stressed Spinach (Spinacia oleracea L.) by Minimizing Its Uptake	2023	Journal of Plant Growth Regulation	42	3	2053	2072
897.	Mfarrej M.F.B., Wang X., Fahid M., Saleem M.H., Alatawi A., Ali S., Shabir G., Zafar R., Afzal M., Fahad S.	Floating Treatment Wetlands (FTWs) is an Innovative Approach for the Remediation of Petroleum Hydrocarbons- Contaminated Water	2023	Journal of Plant Growth Regulation	42	3	1402	1420
898.	Khan M., Chand N., Naz S., Khan R.U.	Dietary tea tree (Melaleuca alternifolia) essential oil as alternative to	2023	Journal of Animal Physiology and Animal Nutrition	107	2	643	649

		antibiotics alleviates experimentally induced Eimeria tenella challenge in Japanese quails						
899.	Shafiq F., Iqbal M., Raza S.H., Akram N.A., Ashraf M.	Fullerenol [60] Nano-cages for Protection of Crops Against Oxidative Stress: A Critical Review	2023	Journal of Plant Growth Regulation	42	3	1267	1290
900.	Rashid S., Kaabar M.K.A., Althobaiti A., Alqurashi M.S.	Constructing analytical estimates of the fuzzy fractional-order Boussinesq model and their application in oceanography	2023	Journal of Ocean Engineering and Science	8	2	196	215
901.	Rashid N., Khalid S.H., Ullah Khan I., Chauhdary Z., Mahmood H., Saleem A., Umair M., Asghar S.	Curcumin-Loaded Bioactive Polymer Composite Film of PVA/Gelatin/Tannic Acid Downregulates the Pro-inflammatory Cytokines to Expedite Healing of Full-Thickness	2023	ACS Omega	8	8	7575	7586

		Wounds						
902.	Ikram M., Shahzadi A., Haider A., Imran M., Hayat S., Haider J., Ul-Hamid A., Rasool F., Nabgan W., Mustajab M., Ali S., Al-Shanini A.	Toward Efficient Bactericidal and Dye Degradation Performance of Strontium- and Starch-Doped Fe ₂ O ₃ Nanostructures: In Silico Molecular Docking Studies	2023	ACS Omega	8	8	8066	8077
903.	Raza Q., Bibi I., Majid F., Kamal S., Ata S., Ghafoor A., Arshad M.I., Al-Mijalli S.H., Nazir A., Iqbal M.	Solar light-based photocatalytic removal of CV and RhB dyes using Bi and Al doped SrFe ₁₂ O ₁₉ NPs and antibacterial properties	2023	Journal of Industrial and Engineering Chemistry	118		469	482
904.	Al-Huqail A.A., Saleem M.H., Ali B., Azeem M., Mumtaz S., Yasin G., Marc R.A., Ali S.	Efficacy of priming wheat (Triticum aestivum) seeds with a benzothiazine derivative to improve drought stress tolerance	2023	Functional Plant Biology	50	11	915	931
905.	Nauman Mahamood M., Zhu S., Noman A., Mahmood A.,	An assessment of the efficacy of biochar and zero-valent iron	2023	Environmental Pollution	319			

	Ashraf S., Aqeel M., Ibrahim M., Ashraf S., Liew R.K., Lam S.S., Irshad M.K.	nanoparticles in reducing lead toxicity in wheat (<i>Triticum aestivum</i> L.).						
906.	Pirasteh-Anosheh H., Ranjbar G., Akram N.A., Ghafar M.A., Panico A.	Forage potential of several halophytic species grown on saline soil in arid environments	2023	Environmental Research	219			
907.	Loo D.L., Teoh Y.H., How H.G., Le T.D., Nguyen H.T., Rashid T., Pottmaier D., Sher F.	Effect of nanoparticles additives on tribological behaviour of advanced biofuels	2023	Fuel	334			
908.	Gulbadan S., Khan M.A., Ashraf G.A., Mahmood K., Shahid M., Irfan M., Ahmad A.	Insight of structural, dielectric and spectroscopic characteristics of Ba _{0.6} Sr _{0.4} -xYbxFe ₁₂ -yCo _y O ₁₉ M-type hexaferrite	2023	Ceramics International	49	4	6487	6499
909.	Saeed M., Albalawi K., Khan I., Akram N., Abd El-Rahim I.H.A., Alhag S.K., Ezzat Ahmed A., Faiza	Synthesis of p-n NiO-ZnO heterojunction for photodegradation of crystal violet dye	2023	Alexandria Engineering Journal	65		561	574

910.	Batool U., Raziq M.M., Sarwar N., Saleem S., Obaid A.	Paradoxical leader behavior and leader effectiveness: moderating role of structural and job-related uncertainty	2023	European Business Review	35	2	239	260
911.	Asif R., Siddique M.H., Hayat S., Rasul I., Nadeem H., Faisal M., Waseem M., Zakki S.A., Zitouni A., Muzammil S.	Efficacy of Saccharothrix algeriensis NRRL B-24137 to suppress Fusarium oxysporum f.sp. vasinfectum induced wilt disease in cotton	2023	PeerJ	11			
912.	Ramzan N., Abbas G., Mahmood K., Aziz M., Rasul S., Ahmed N., Shah S., Uzair M., Usman M., Khan W.S., Hanif M., Sami Ullah M.	Concomitant Effect of Quercetin and Its Copper Complex in the Development of Sustained-Release Nanoparticles of Polycaprolactone, Used for the Treatment of Skin Infection	2023	Molecular Pharmaceutics	20	2	1382	1393
913.	Zahid G., Iftikhar S., Shimira F., Ahmad H.M., Aka KaÅšar	An overview and recent progress of plant growth	2023	Scientia Horticulturae	309			

	Y.	regulators (PGRs) in the mitigation of abiotic stresses in fruits: A review						
914.	Nazir U., Sohail M., Naz S., Mukdasai K., Singh M., Singh A., Mohan C.R., Eldin S.M., Galal A.M.	Effective role of mineral oil and biological nanomaterial on thermal energy influenced by magnetic dipole and nanoparticle shape	2023	Frontiers in Materials	10			
915.	Ain Q.U., Saleem U., Ahmad B., Khalid I.	Pharmacological screening of silibinin for antischizophrenic activity along with its acute toxicity evaluation in experimental animals	2023	Frontiers in Pharmacology	14			
916.	Ali A., Din Z.U., Ibrahim M., Ashfaq M., Muhammad S., Gull D., Tahir M.N., Rodrigues-Filho E., Al-Sehemi A.G., Suleman M.	Acid catalyzed one-pot approach towards the synthesis of curcuminoid systems: unsymmetrical diarylidene cycloalkanones, exploration of	2023	RSC Advances	13	7	4476	4494

		their single crystals, optical and nonlinear optical properties						
917.	Mahboob A., Shahzad A., Sohail A., Kashif M., He M.-G.	Dynamical Density of Two-Dimensional Dusty Plasmas	2023	Iranian Journal of Science	47	1	285	297
918.	Oranab S., Ghaffar A., Ahmad A., Pasha M.F.K., Munir B., Arif S., Ishaq S., Mahfooz S.H., Kousar R., Zakia S., Ahmad H.M.	GENOME-WIDE ANALYSIS OF CYCLIC NUCLEOTIDE-GATED ION CHANNELS (CNGCS) OF ARABIDOPSIS THALIANA UNDER ABIOTIC STRESSES	2023	Sabrao Journal of Breeding and Genetics	55	1	38	49
919.	Iqbal N., Al-Hussain S.A., Batool F., Mumtaz A., Irfan A., Noreen S., Mustaqeem M., Zaki M.E.A.	Alginate-Based Sustainable Green Composites of Polymer and Reusable Birm for Mitigation of Malachite Green Dye: Characterization and Application for Water Decontamination	2023	Sustainability (Switzerland)	15	4		
920.	Irshad M.A., Ali B., Irfan A., Al-Hussain	Sustainable and Safe Treatment	2023	Sustainability (Switzerland)	15	4		

	S.A., Nawaz R., Nasim I., Latif M., Zaki M.E.A.	of Wastewater of Paint Industry Using Azadarachta indica Leaf Extract Combined with Silver Nitrate Solution						
921.	Ain Q.U., Mahmood M.A., Raza S.M.M., Zakir A.	An Acoustic Investigation of Primary and Secondary Lexical Stress of Urdu	2023	GEMA Online Journal of Language Studies	23	1	74	92
922.	Shahzad M.M., Khalid F., Hussain S.M., Hussain M., Hussain Z., Rehman R.A., Zahoor M.Y.	MOBILIZATION OF TAURINE FOR RESTORATIVE GROWTH, CARCASS COMPOSITION AND HEMATOLOGY IN CYPRINUS CARPIO FINGERLINGS FED ON LINSEED MEAL BASED DIET	2023	Journal of Animal and Plant Sciences	33	1	211	219
923.	Wang Y., Aslam A., Idrees N., Kanwal S., Iram N., Razzaque A.	On Trees with Given Independence Numbers with Maximum Gourava Indices	2023	Symmetry	15	2		
924.	Kandeel M.,	The Interaction of	2023	Processes	11	2		

	Althumairy D., El-Sabagh I.M., Shousha S., Hussin Y., Meligy A.M.A., Zabady M.K., Zahran K.M., Elkhair N., Hereba A., Elsebaei M.G., Elamin A., Irshad F., Sufyan M., El-Hassan E.-A.M., Albokhadaim I.	Programmed Cell Death Protein and Its Ligands with Non-Coding RNAs in Neoplasms: Emerging Anticancer Immunotherapeutics						
925.	Khalid A., Hussain S.M., Khalid F., Shahzad M.M., Sharif A., Bashir F., Asrar M.	EFFECTS OF DIETARY SELENIUM NANOPARTICLES SUPPLEMENTATION ON GROWTH PERFORMANCE, HEMATOLOGY AND BODY COMPOSITION OF OREOCHROMIS NILOTICUS FINGERLINGS	2023	Journal of Animal and Plant Sciences	33	1	33	39
926.	Raza M.A., Iqbal K., Aslam M., Nawaz T., Bhatti S.H., Engmann G.M.	Mixed Exponentially Weighted Moving Average”Moving Average Control Chart with Application to Combined	2023	Sustainability (Switzerland)	15	4		

		Cycle Power Plant						
927.	Idris M., Muhammad F., Anwar H., Farooq U., Anjum M.A., Rashid H.	PHYSIO- BIOLOGICAL MARKERS IN ZINC-INDUCED MOULTED AND NONMOULTED WHITE LEGHORN LAYERS (GALLUS DOMESTICUS)	2023	Journal of Animal and Plant Sciences	33	1	61	66
928.	Zamouche M., Tahraoui H., Laggoun Z., Mechati S., Chemchmi R., Kanjai M.I., Amrane A., Hadadi A., Mouni L.	Optimization and Prediction of Stability of Emulsified Liquid Membrane (ELM): Artificial Neural Network	2023	Processes	11	2		
929.	Gul S., Javed S., Azeem M., Aftab A., Anwaar N., Mehmood T., Zeshan B.	Application of Bacillus subtilis for the Alleviation of Salinity Stress in Different Cultivars of Wheat (Tritium aestivum L.)	2023	Agronomy	13	2		
930.	Asim M., Nazir M., Chauhdary Z., Irfan M., Khalid S.H., Asghar S., Usra, Felimban R.I., Majrashi M.A., Hazzazi M.S., Alissa	Enhanced Solubility and Biological Activity of Dexibuprofen- Loaded Silica- Based Ternary Solid Dispersions	2023	Pharmaceutics	15	2		

	M., Qahl S.H., Hussain G., Rasul A., Chatha S.A.S., Khan I.U.							
931.	Maqbool Z., Khalid W., Atiq H.T., Koraqi H., Javaid Z., Alhag S.K., Al-Shuraym L.A., Bader D.M.D., Almarzuq M., Afifi M., AL-Farga A.	Citrus Waste as Source of Bioactive Compounds: Extraction and Utilization in Health and Food Industry	2023	Molecules	28	4		
932.	Ahmad N., Ullah S., Zhao N., Mumtaz F., Ali A., Ali A., Tariq A., Kareem M., Imran A.B., Khan I.A., Shakir M.	Comparative Analysis of Remote Sensing and Geo-Statistical Techniques to Quantify Forest Biomass	2023	Forests	14	2		
933.	Hayyat M.U., Nawaz R., Irfan A., Al-Hussain S.A., Aziz M., Siddiq Z., Ahmad S., Zaki M.E.A.	Evaluating the Phytoremediation Potential of Eichhornia crassipes for the Removal of Cr and Li from Synthetic Polluted Water	2023	International Journal of Environmental Research and Public Health	20	4		
934.	Jalalah M., Nabi Z., Anjum M.N., Ahmad M.N., Haq A.U., Qadir M.B., Faisal M., Alsaiari	Facile Synthesis of Poly(o-anisidine)/Graphitic Carbon Nitride/Zinc	2023	Catalysts	13	2		

	M., Irfan M., Harraz F.A.	Oxide Composite for Photo-Catalytic Degradation of Congo Red Dye						
935.	Akhter N., Batool S., Khan S.G., Rasool N., Anjum F., Rasul A., Adem Åž., Mahmood S., Rehman A.U., Nisa M.U., Razzaq Z., Christensen J.B., Abourehab M.A.S., Shah S.A.A., Imran S.	Bio-Oriented Synthesis and Molecular Docking Studies of 1,2,4-Triazole Based Derivatives as Potential Anti-Cancer Agents against HepG2 Cell Line	2023	Pharmaceuticals	16	2		
936.	Ghumman S.A., Hameed H., Noreen S., Al-Hussain S.A., Kausar R., Irfan A., Shabbir R., Rana M., Amanat A., Zaki M.E.A.	In Vitro/In Vivo Evaluation of Clomipramine Orodispersible Tablets for the Treatment of Depression and Obsessive-Compulsive Disorder	2023	Pharmaceuticals	16	2		
937.	Li H., Tahir ul Qamar M., Yang L., Liang J., You J., Wang L.	Current Progress, Applications and Challenges of Multi-Omics Approaches in Sesame Genetic Improvement	2023	International Journal of Molecular Sciences	24	4		
938.	Akash M.S.H.,	Biochemical	2023	Metabolites	13	2		

	Rasheed S., Rehman K., Ibrahim M., Imran M., Assiri M.A.	Activation and Regulatory Functions of Trans-Regulatory KLF14 and Its Association with Genetic Polymorphisms						
939.	Benkhadda O., Saih M., Ahmad S., Al- Ghuri A.J.A., Zakaria Z., Chaji K., Reha A.	A Miniaturized Tri-Wideband Sierpinski Hexagonal- Shaped Fractal Antenna for Wireless Communication Applications	2023	Fractal and Fractional	7	2		
940.	Barkaath S., Mehboob M., Adeel S., Fazal-ur- Rehman, Amin N., Habib N., Hosseinnezhad M.	Sustainable Microwave- Assisted Extraction of Santalol from Red Santal Wood Powder (Pterocarpus santalinus) for Bio-Coloration of Mordanted Silk Fabric	2023	Separations	10	2		
941.	Mallhi T.H., Shahid M., Rehman K., Khan Y.H., Alanazi A.S., Alotaibi N.H., Akash M.S.H., Butt	Biochemical Association of MTHFR C677T Polymorphism with Myocardial	2023	Metabolites	13	2		

	M.H.	Infarction in the Presence of Diabetes Mellitus as a Risk Factor						
942.	Raza A., Naqvi S.A.A., Mehdi M.A., Usman M., Ali S., Shah A.A., Hussain B.	An Analysis of the Circular Economy Practices of Pesticide Container Waste in Pakistan	2023	Recycling	8	1		
943.	Hasan S., Anwar Z., Khalid W., Afzal F., Zafar M., Ali U., Refai M.Y., Afifi M., AL-Farga A., Aljobair M.O.	Laccase Production from Local Biomass Using Solid State Fermentation	2023	Fermentation	9	2		
944.	Liu Y., Hadier S.G., Liu L., Hamdani S.M.Z.H., Hamdani S.D., Danish S.S., Fatima S.U., Guo Y.	Assessment of the Relationship between Body Weight Status and Physical Literacy in 8 to 12 Year Old Pakistani School Children: The PAK-IPPL Cross-Sectional Study	2023	Children	10	2		
945.	Mungmunpuntipan tip R., Wiwanitkit V.	Re: "Acupuncture in Multidisciplinary Treatment for Post-COVID-19 Syndrome" by Trager et al.	2023	Medical Acupuncture	35	1	57	

946.	Irfan A., Zahoor A.F., Rasul A., Al-Hussain S.A., Faisal S., Ahmad S., Noor R., Muhammed M.T., Zaki M.E.A.	BTEAC Catalyzed Ultrasonic-Assisted Synthesis of Bromobenzofuran-Oxadiazoles: Unravelling Anti-HepG-2 Cancer Therapeutic Potential through In Vitro and In Silico Studies	2023	International Journal of Molecular Sciences	24	3		
947.	Rasool I.F.U., Aziz A., Khalid W., Koraqi H., Siddiqui S.A., AL-Farga A., Lai W.-F., Ali A.	Industrial Application and Health Prospective of Fig (Ficus carica) By-Products	2023	Molecules	28	3		
948.	Aftab K., Iqbal S., Khan M.R., Busquets R., Noreen R., Ahmad N., Kazimi S.G.T., Karami A.M., Al Suliman N.M.S., Ouladsmane M.	Wastewater-Irrigated Vegetables Are a Significant Source of Heavy Metal Contaminants: Toxicity and Health Risks	2023	Molecules	28	3		
949.	Siddiqui S.A., Gerini F., Ikram A., Saeed F., Feng X., Chen Y.	Rabbit Meatâ€™ Production, Consumption and Consumersâ€™ Attitudes and Behavior	2023	Sustainability (Switzerland)	15	3		
950.	Anjam Q., Nasir N.,	Molecular	2023	PLoS ONE	18	45324		

	Cheema S., Tanveer Z., Imran M., Amin N.	dynamic studies into the comparative optimization of thermo- mechanical characters of nano-composites of Ag and Cu reinforced by Graphene						
951.	Mungmunpuntipan tip R., Wiwanitkit V.	Anti-SARS-CoV-2 spike IgG antibodies prevalence: Correspondence	2023	Transfusion Clinique et Biologique	30	1	19	
952.	Farooq U., Waqas H., Makki R., Ali M.R., Alhushaybari A., Muhammad T., Imran M.	Computation of Cattaneo- Christov heat and mass flux model in Williamson nanofluid flow with bioconvection and thermal radiation through a vertical slender cylinder	2023	Case Studies in Thermal Engineering	42			
953.	Hussain A., Asif Q.U.A., Nabi A.G., Asim H., Rafique H.M.	Tuning the electronic properties of molybdenum di- sulphide monolayers via	2023	Physica Scripta	98	2		

		doping using first-principles calculations						
954.	Ikram A., Khalid W., Saeed F., Arshad M.S., Afzaal M., Arshad M.U.	Senna: As immunity boosting herb against Covid-19 and several other diseases	2023	Journal of Herbal Medicine	37			
955.	Ratnasari A., Syafiuddin A., Mehmood M.A., Boopathy R.	A review of the vermicomposting process of organic and inorganic waste in soils: Additives effects, bioconversion process, and recommendations	2023	Bioresource Technology Reports	21			
956.	Naqvi S.A.A., Hussain B., Ali S.	Evaluating the influence of biofuel and waste energy production on environmental degradation in APEC: Role of natural resources and financial development	2023	Journal of Cleaner Production	386			
957.	Zia-ur-Rehman M., Anayatullah S., Irfan E., Hussain	Nanoparticles assisted regulation of	2023	Chemosphere	314			

	S.M., Rizwan M., Sohail M.I., Jafir M., Ahmad T., Usman M., Alharby H.F.	oxidative stress and antioxidant enzyme system in plants under salt stress: A review						
958.	Sanaullah I., Khan H.N., Sajjad A., Khan S., Sabri A.N., Naseem S., Riaz S.	Improved osteointegration response using high strength perovskite BaTiO3 coatings prepared by chemical bath deposition	2023	Journal of the Mechanical Behavior of Biomedical Materials	138			
959.	Nisar J., Ali Shah S.M., Ayaz S., Akram M., Rashid A., Mustafa I., Nisar Z.	In vitro comparative evaluation of Tamarix gallica extracts for antioxidant and antidiabetic activity	2023	Experimental Biology and Medicine	248	3	253	262
960.	Khan I.A., Rasheed A., Farid A., Yousaf M., Raza A.	Structural and optical properties of broccoli-based nanostructured ZnS films synthesized by powder vapor transport technique	2023	Optical and Quantum Electronics	55	2		
961.	Hannan A., Akhtar B., Sharif A., Anjum F., Pasha I., Khan	Quercetin-loaded chitosan nanoparticles	2023	Inflammopharmacology	31	1	287	300

	A., Akhtar M.F., Saleem A.	ameliorate adjuvant-induced arthritis in rats by regulating anti-oxidant enzymes and downregulating pro- and inflammatory cytokines						
962.	Hameed S., Wei W., Farrukh M.U., Li S., Ilyas M., ul-Haq I.	Revisiting the asymmetric outcome of renewable and nonrenewable energy on environmental quality in South and East Asia: An application of a broad-spectrum approach	2023	Renewable Energy	203		81	88
963.	Khan I., Awan S.A., Rizwan M., Akram M.A., Zia-ur-Rehman M., Wang X., Zhang X., Huang L.	Physiological and transcriptome analyses demonstrate the silver nanoparticles mediated alleviation of salt stress in pearl millet (Pennisetum glaucum L)	2023	Environmental Pollution	318			

964.	Ashfaq A., Mufti H., Javaid K., Mahmood K., Ikram S., Ali A., Amin N., Ali M.Y., Ilyas S.Z., Aslam B., Ali Khan E.A., Hussain S.	A new approach to enhance the thermoelectric performance of quaternary chalcogenides copper zinc tin sulfide thin films by varying copper molar concentration	2023	Solid State Communications	360			
965.	Qasim M., Abdullah M., Ali Ashfaq U., Noor F., Nahid N., Alzamami A., Alturki N.A., Khurshid M.	Molecular mechanism of Ferula asafoetida for the treatment of asthma: Network pharmacology and molecular docking approach	2023	Saudi Journal of Biological Sciences	30	2		
966.	Ikram M., Haider A., Imran M., Haider J., Ul-Hamid A., Shahzadi A., Malik R., Kashaf-Ul-Ain, Nabgan W., Nazir G., Ali S.	Graphitic-C3N4/chitosan-doped NiO nanostructure to treat the polluted water and their bactericidal with in silico molecular docking analysis	2023	International Journal of Biological Macromolecules	227		962	973
967.	Iftikhar R., Parveen I., Ayesha, Mazhar A., Iqbal M.S., Kamal G.M., Hafeez F., Pang	Small organic molecules as fluorescent sensors for the detection of	2023	Journal of Environmental Chemical Engineering	11	1		

	A.L., Ahmadipour M.	highly toxic heavy metal cations in portable water						
968.	Raza T., Rasool B., Asrar M., Manzoor M., Javed Z., Jabeen F., Younis T.	Exploration of polyacrylamide microplastics and evaluation of their toxicity on multiple parameters of <i>Oreochromis niloticus</i>	2023	Saudi Journal of Biological Sciences	30	2		
969.	Kamal I., Ashfaq U.A., Hayat S., Aslam B., Sarfraz M.H., Yaseen H., Rajoka M.S.R., Shah A.A., Khurshid M.	Prospects of antimicrobial peptides as an alternative to chemical preservatives for food safety	2023	Biotechnology Letters	45	2	137	162
970.	Safdar M.A., Aslam R.M.N., Shakeel A., Shiza, Waqar M., Jmail A., Mehmood M.H., Gul H.	Cyanidin as potential anticancer agent targeting various proliferative pathways	2023	Chemical Biology and Drug Design	101	2	438	452
971.	Hassan S.U., Shafique S., Palvasha B.A., Saeed M.H., Raza Naqvi S.A., Nadeem S., Irfan S., Akhter T., Khan A.L., Nazir M.S., Hussain M., Park	Photocatalytic degradation of industrial dye using hybrid filler impregnated poly-sulfone membrane and optimizing the catalytic	2023	Chemosphere	313			

	Y.-K.	performance using Box- Behnken design						
972.	Yusaf A., Usman M., Ibrahim M., Mansha A., Haq A.U., Rehman H.F., Ali M.	Mixed micellar solubilization for procion blue MxR entrapment and optimization of necessary parameters for micellar enhanced ultrafiltration	2023	Chemosphere	313			
973.	Zulqarnain, Yusoff M.H.M., Nazir M.H., Rahman M.F.A., Yaqoob H., Rashid T., Hai I.U., Sher F.	Hybrid valorization of biodiesel production using sustainable mixed alcohol solvent	2023	Environmental Technology and Innovation	29			
974.	Zia-ur-Rehman M., Mubsher A., Rizwan M., Usman M., Jafir M., Umair M., Alharby H.F., Bamagoos A.A., Alshamrani R., Ali S.	Effect of farmyard manure, elemental sulphur and EDTA on growth and phytoextraction of cadmium by spider plants (Chlorophytum comosum L.) under Cd stress	2023	Chemosphere	313			
975.	Shahzad M.M., Rashid H., Hussain	Improvement in Body	2023	Pakistan Journal of Zoology	55	1	361	369

	S.M., Bashir S., Khalid F., Ahmad N.	Composition and Blood Parameters of Catla catla Fingerlings by Supplementing Rapeseed Meal Based Diet with Probiotics						
976.	Adeel S., Kiran S., Alam M., Farooq T., Amin N., Gulzar T.	Alkanna tinctoria- based sustainable alkanin natural colorant for eco- dyeing of wool	2023	Environmental Science and Pollution Research	30	10	2707 3	27080
977.	Hashmat S., Tanwir K., Abbas S., Shahid M., Javed M.T.	Acinetobacter schindleri SR- 5â€™1 decipher morpho-physio- biochemical and nutritional improvements to Pisum sativum L. and Linum usitatissimum L. maintained under wastewater/cad mium stress	2023	Environmental Science and Pollution Research	30	9	2467 2	24686
978.	Teoh Y.H., How H.G., Le T.D., Nguyen H.T., Loo D.L., Rashid T., Sher F.	A review on production and implementation of hydrogen as a green fuel in internal combustion engines	2023	Fuel	333			

979.	Afzaal M., Saeed F., Ateeq H., Akhtar M., Imran A., Ahmed A., Aamir M., Islam F., Yasmin I., Shah Y.A., Hussain M., Hameed A., Kumar R., Awuchi C.G.	Probiotics encapsulated gastroprotective cross-linked microgels: Enhanced viability under stressed conditions with dried apple carrier	2023	Food Science and Nutrition	11	2	817	827
980.	Bo L., Yunbao X., Chengbo D., Chao T., Guangde Z., Usman A.	Financial deepening, financial innovation, and education as new determinants of green growth in China	2023	Environmental Science and Pollution Research	30	9	23568	23577
981.	Rasool W., Adeel S., Batool F., Ahmad S.A., Mumtaz S., Hussaan M.	Environmental friendly silk and cotton dyeing using natural colorant of Bougainvillea (Bougainvillea glabra) flowers: the sustainable approach towards textile industry	2023	Environmental Science and Pollution Research	30	8	21863	21871
982.	Arshad M., Khan M.A., Ashraf G.A., Mahmood K.,	Investigation of crystal structure, electrical and	2023	Ceramics International	49	3	4141	4152

	Arshad M.I.	dielectric response of Zr ⁴⁺ -Co ²⁺ substituted Ba ²⁺ /Sr ²⁺ /Ni Y-type hexagonal ferrites synthesized by sol-gel route						
983.	Saleem M.A., Pei L., Saleem M.F., Shahid S., Wang J.	Use of quaternary ammonium salt as a dye fixing agent and antimicrobial agent in sustainable, single-step single-bath dyeing and finishing	2023	Textile Research Journal	93	45355	554	564
984.	Saleem U., Chauhdary Z., Islam S., Zafar A., Khayat R.O., Althobaiti N.A., Shah G.M., Alqarni M., Shah M.A.	Sarcococca saligna ameliorated D-galactose induced neurodegeneration through repression of neurodegenerative and oxidative stress biomarkers	2023	Metabolic Brain Disease	38	2	717	734
985.	Iftikhar R., Kamran M., Iftikhar A., Parveen S., Naeem N., Jamil N.	Recent advances in the green synthesis of Betti bases and their	2023	Molecular Diversity	27	1	543	569

		applications: a review						
986.	Quddoos A., Salhofer K., Morawetz U.B.	Utilising farm-level panel data to estimate climate change impacts and adaptation potentials	2023	Journal of Agricultural Economics	74	1	75	99
987.	Shah A.A., Khan N.A., Gong Z., Ahmad I., Naqvi S.A.A., Ullah W., Karmaoui A.	Farmersâ€™ perspective towards climate change vulnerability, risk perceptions, and adaptation measures in Khyber Pakhtunkhwa, Pakistan	2023	International Journal of Environmental Science and Technology	20	2	1421	1438
988.	Saleem U., Iman S., Ahmad B., Shah M.A., Bibi S., Alqarni M., Khan M.S., Shah G.M., Khan H., Alhasani R.H., Althobaiti N.A., Albalawi A.E.	Antidepressant activity of phytochemicals of Mangifera indica seeds assisted by integrated computational analysis	2023	Metabolic Brain Disease	38	2	483	505
989.	Alatawi A., Wang X., Saleem M.H., Mohsin M., Rehman M., Usman K., Fahad S.,	Individual and Synergic Effects of Phosphorus and Gibberellic Acid on Organic	2023	Journal of Plant Growth Regulation	42	2	1186	1211

	Mfarrej M.F.B., Hefft D.I., Ali S.	Acids Exudation Pattern, Ultra- Structure of Chloroplast and Stress Response Gene Expression in Cu-Stressed Jute (Corchorus Capsularis L.)						
990.	Ishfaq B., Khan I.U., Khalid S.H., Asghar S.	Design and evaluation of sodium alginate- based hydrogel dressings containing Betula utilis extract for cutaneous wound healing	2023	Frontiers in Bioengineering and Biotechnology	11			
991.	Bresciani S., Rehman S.U., Alam G.M., Ashfaq K., Usman M.	Environmental MCS package, perceived environmental uncertainty and green performance: in green dynamic capabilities and investment in environmental management perspectives	2023	Review of International Business and Strategy	33	1	105	126
992.	Tan L., Waqas M., Rehman A., Rashid M.A.R., Fiaz S.,	Computational analysis and expression	2023	Frontiers in Plant Science	13			

	Manzoor H., Azeem F.	profiling of potassium transport-related gene families in mango (<i>Mangifera indica</i>) indicate their role in stress response and fruit development						
993.	Qureshi A.W., Akhtar T., Khan L., Numan M.	ANTI-FASCIOLIC EFFECT OF RAW SEEDS OF <i>Nigella sativa</i> , <i>Fumaria parviflora</i> (AERIAL PARTS), IN NATURALLY INFECTED BUFFALOES	2023	Bioscience Journal	39			
994.	Ahmed H.G.M.-D., Zeng Y., Khan M.A., Rashid M.A.R., Ameen M., Akrem A., Saeed A.	Genome-wide association mapping of bread wheat genotypes using yield and grain morphology-related traits under different environments	2023	Frontiers in Genetics	13			
995.	Nazir S., Akbar W., Naseem S., Zulfiqar M., Alay-e-Abbas S.M., Ni J.	Emergence of robust half-metallic spin gap and a sizeable	2023	Materials Chemistry and Physics	294			

		magnetic anisotropy in electron-doped Ca ₂ FeOsO ₆						
996.	Sultana H., Usman M.	Surfactant-assisted flocculation for the efficient removal of aqueous dyestuff: A sustainable approach	2023	Journal of Molecular Liquids	370			
997.	Haider M.N., Khan A.Z., Usman M., Balakrishnan D., Javed M.R., Malik S., Liu C.-G., Mehmood M.A., Ashraf G.A.	Impact of seasons and wastewater cultivation on the biomass and biodiesel production by the Plectonema terebrans BERC10 as a candidate for a multiproduct algal biorefinery	2023	Fuel	332			
998.	Amin M.A., Haider G., Rizwan M., Schofield H.K., Qayyum M.F., Zia-ur-Rehman M., Ali S.	Different feedstocks of biochar affected the bioavailability and uptake of heavy metals by wheat (Triticum aestivum L.) plants grown in	2023	Environmental Research	217			

		metal contaminated soil						
999.	Aslam A., Rehman A.U., Amin N., Amman M., Akhtar M., Morley N.A., Al-Sharif M.S., Hessien M.M., El-Nagdy K.A., Arshad M.I.	To study the structural, electrical, and magnetic properties of M (M = Mg ²⁺ , Mn ²⁺ , and Cd ²⁺) doped Cu-Ni-Co-La spinel ferrites	2023	Materials Chemistry and Physics	294			
1000.	Mehmood M., Rasul M.N., Hussain A., Rafiq M.A., Iqbal F., Manzoor A., Khan M.A.	Investigation of structural, electronic, elastic, magnetic and thermodynamic properties of antiperovskites XCRh ₃ (X = Cd, Ta, W, Re, Os, Ir, Pt, Au, Hg, Ce, Pr, Nd, Pm, Sm, Eu, Tb)	2023	Physica B: Condensed Matter	649			
1001.	Raza A., Parveen S., Majeed M.I., Nawaz H., Javed M.R., Iqbal M.A., Rashid N., Haider M.Z., Ali M.Z., Sabir A., Mahmood ul Hasan H., Majeed B.	Surface-enhanced Raman spectral characterization of antifungal activity of selenium and zinc based organometallic compounds	2023	Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy	285			

1002.	Ahmad W., Tahir S., Ali A., Mahmood K.	A novel approach to reduce both front and rear side power losses in PERC solar cells using different combinations of transparent metal oxides	2023	Ceramics International	49	2	2821	2828
1003.	Umair Hassan M., Batool M., Hassan Farooq T., Saleem Arif M., Aamer M., Ahmed Waqas M., Albasher G., Sajjad M., Shakoor A.	How does dolomite application affect the greenhouse gases emissions from the terrestrial environment? â€” A global synthesis	2023	Fuel	332			
1004.	Jacob J., Javaid K., Amin N., Ali A., Mahmood K., Ikram S., Arshad M.I., Munir A., Amami M.	The influence of lanthanum concentration on microstructural and electrical properties of Mg-Cd-Bi ferrite nanoparticles	2023	Ceramics International	49	2	1896	1901
1005.	Ahmad S., Ahmad M., Khalid M., Shafiq M., Arshad M.N., Sultan S., Asiri A.M., Braga A.A.C., Alamry K.A.	Casting light on synthetic, SC-XRD and quantum mechanical studies for 2,1-benzothiazine based bis-	2023	Journal of Molecular Structure	1272			

		adducts						
1006.	Ahmed S., Vajeeha A., Idrees M., Hussain A., Munir R., Zaidi G., Zahid K., Ahmed R., Fatima Z., Rafique S., Achakzai N.M.	Genotypic distribution of human papillomavirus and phylogenetic analysis of E6 and E7 gene of HR-HPV variants isolated from Pakistani population	2023	Medicine (United States)	102	2	E326 51	
1007.	Qureshi H., Anwar T., Mohibullah M., Fatima S., Younas R., Habiba U., Malik L., Hanif A., Iqbal M.	Paired plot experiments to assess impact of invasive species on native floral diversity in Pakistan	2023	Frontiers in Environmental Science	10			
1008.	Khalid W., Maggiolino A., Kour J., Arshad M.S., Aslam N., Afzal M.F., Meghwar P., Zafar K.-U.-W., De Palo P., Korma S.A.	Dynamic alterations in protein, sensory, chemical, and oxidative properties occurring in meat during thermal and non-thermal processing techniques: A comprehensive review	2023	Frontiers in Nutrition	9			
1009.	Noman M., Ahmed T., Ijaz U., Shahid	Bio-Functionalized	2023	Small	19	2		

	M., Nazir M.M., Azizullah, White J.C., Li D., Song F.	Manganese Nanoparticles Suppress Fusarium Wilt in Watermelon (<i>Citrullus lanatus</i> L.) by Infection Disruption, Host Defense Response Potentiation, and Soil Microbial Community Modulation						
1010.	Hussain A., Attique F., Naqvi S.A.R., Ali A., Ibrahim M., Hussain H., Zafar F., Iqbal R.S., Ayub M.A., Assiri M.A., Imran M., Ullah S.	Nanoformulation of Curcuma longa Root Extract and Evaluation of Its Dissolution Potential	2023	ACS Omega	8	1	1088	1096
1011.	Akbar M.U., Haque A., Liaquat S., Schierack P., Ali A.	Biofilm Formation by Staphylococcus epidermidis and Its Inhibition Using Carvacrol, 2-aminobenzimidazole, and 3-indole Acetonitrile	2023	ACS Omega	8	1	682	687
1012.	Al-Huda Z., Yao Y., Yao J., Peng B., Raza A.	Weakly supervised skin lesion	2023	IET Image Processing	17	1	239	255

		segmentation based on spot-seeds guided optimal regions						
1013.	Fatima M., Habib A., Khan S., Butt M.H., Mallhi T.H., Khan Y.H., Zaheer A., Habib M.U., Khan A.Q., Khan M.I., Iqbal A., Mehmood M.H., Masood I.	Knowledge, Attitude, Practice, Behavior and Risk Perception of COVID-19 Pandemic among Medical and non-Medical University Students	2023	Disaster Medicine and Public Health Preparedness	17	6		
1014.	Zahra S.T., Tariq M., Abdullah M., Azeem F., Ashraf M.A.	Dominance of Bacillus species in the wheat (Triticum aestivum L.) rhizosphere and their plant growth promoting potential under salt stress conditions	2023	PeerJ	11			
1015.	Iqbal S., Abrar S., Mukhtar A., Ahmad I., Khan M.Z.	An Efficient synthesis of N'', N'''-Bis[(E)-phenylmethyldene]carbonic dihydrazide derivatives and	2023	Kuwait Journal of Science	50	3		

		their evaluation as $\hat{\pm}$ -chymotrypsin nhibitors						
1016.	Mehmood Y., Shahid H., Barkat K., Ibraheem M., Riaz H., Badshah S.F., Chopra H., Sharma R., Nepovimova E., Kuca K., Valis M., Emran T.B.	Designing of SiO ₂ mesoporous nanoparticles loaded with mometasone furoate for potential nasal drug delivery: Ex vivo evaluation and determination of pro-inflammatory interferon and interleukin mRNA expression	2023	Frontiers in Cell and Developmental Biology	10			
1017.	Mehmood K., Rehman A.U., Amin N., Morley N.A., Arshad M.I.	Graphene nanoplatelets/Ni-Co-Nd spinel ferrite composites with improving dielectric properties	2023	Journal of Alloys and Compounds	930			
1018.	Ur Rehman Z., Shafique I., Khawaja K.F., Saeed M., Kalyar M.N.	Linking responsible leadership with financial and environmental performance: determining	2023	International Journal of Productivity and Performance Management	72	1	24	46

		mediation and moderation						
1019.	Milkova E., Pekarkova S., Azim M., Jabin B.	Assessment and development of school readiness level of preschool children through using computerized platform	2023	Interactive Learning Environments	31	1	422	433
1020.	Mughal I.A., Hussain G., Mukhtar I., Irfan S., Anwar H.	Oxidative stress modulates endocrine profiling in polycystic ovarian syndrome patients	2023	Asian Journal of Agriculture and Biology	2024	2		
1021.	Munawar S., Qasim M., Khan M.S., Ali M.A., Joyia F.A.	In silico identification of Cry1Ac Hot Spot amino acid residues to improve toxicity against mutated cadherin receptor of Bt resistant Helicoverpa armigera	2023	Asian Journal of Agriculture and Biology	2024	2		
1022.	Baig K.B., Sadia H., Rauf U., Abbas Q., Ramzan Z., Tabassum U., Aljhani S.	Reliability and validity estimation of Urdu version of Children Emotion Management	2023	Frontiers in Psychiatry	14			

		Scales (CEMS) in Pakistan						
1023.	Ayaz H., Nawaz R., Nasim I., Irshad M.A., Irfan A., Khurshid I., Okla M.K., Wondmie G.F., Ahmed Z., Bourhia M.	Comprehensive human health risk assessment of heavy metal contamination in urban soils: insights from selected metropolitan zones	2023	Frontiers in Environmental Science	11			
1024.	Ijaz U., Ijaz A., Iqbal A., Gillani F., Hayat M.	A Comprehensive Comparative Analysis of Image Restoration Algorithms: Performance Metrics and Insights	2023	Pakistan Journal of Engineering and Applied Sciences	32		51	64
1025.	Hussain S.M., Jamil M., Ali S., Shahzad M.M., Hussain M., Ahmad N., Riaz D.	Gene Expression, Growth Performance and Body Composition of Labeo rohita Fingerlings Fed on Polyphenols Supplement [Pengekspresan Gen, Prestasi Tumbesaran dan Komposisi Badan Anak Labeo	2023	Sains Malaysiana	52	12	3357	3370

		rohita Diberi Makan Suplemen Polifenol]						
1026.	Ji-Huan H.E., Anjum N., Chun- Hui H.E., Alsolami A.A.	BEYOND LAPLACE AND FOURIER TRANSFORMS Challenges and Future Prospects	2023	Thermal Science	27	6	5075	5089
1027.	Rahim M.A., Imran M., Khan F.A., Al- Asmari F., Mosa O.F., Almalki R.S., Zongo E.	Omega-3- Enriched and Oxidative Stable Mayonnaise Formulated with Spray-Dried Microcapsules of Chia and Fish Oil Blends	2023	ACS Omega				
1028.	Hanif K., Hussain D., Ranjha M.H., Ali Q., Aslam A., Zubair M., Saleem M., Nazir T., Asghar S., Akhtar M.F.	Plant-based products: Explore a way forward for mosquito's management: A review	2023	Journal of Global Innovations in Agricultural Sciences	11	3	377	383
1029.	Wahid M., Saqib F., Abbas G., Shah S., Alshammari A., Albekairi T.H., Ali A., Khurm M., Mubarak M.S.	Cardioprotective and hypotensive mechanistic insights of hydroethanolic extract of Cucumis melo L. kernels in isoprenaline- induced cardiotoxicity	2023	Frontiers in Pharmacology	14			

		based on metabolomics and in silico electrophysiological models						
1030.	Abbas Q., Shahzadi M., Rauf U., Rashid S., Aljhani S.	Health-Anxiety and COVID-19 Stress with Mediating Role of Generalized Anxiety Disorder and Obsessive-Compulsive Disorder Among Individuals Diagnosed with COVID-19	2023	Pakistan Journal of Psychological Research	38	4	635	657
1031.	Malik S., Saeed S., Saleem A., Khan M.I., Khan A., Akhtar M.F.	Alternative treatment of polycystic ovary syndrome: pre-clinical and clinical basis for using plant-based drugs	2023	Frontiers in Endocrinology	14			
1032.	Hafeez S., Sanaullah T., Naeem H., Hassan M.N., Muttalib, Kausar F., Hameed M.S., Ullah M.A., Samad A., Bashir M., Shabbir S.	Analysis of Fungal rDNA for the Identification of the Pathogen Associated Black Rot of Pumpkin	2023	Pakistan Journal of Agricultural Research	36	4	360	368
1033.	Erfanian S., Qin S.,	Cultivating a	2023	Frontiers in Sustainable Food Systems	7			

	Waseem L.A., Dayo M.A.	greener plate: understanding consumer choices in the plant-based meat revolution for sustainable diets						
1034.	Khalid M.F., Akash M.S.H., Rehman K., Shahzad A., Nadeem A.	Modulation of Metabolic Pathways and Protection against Cadmium-Induced Disruptions with Taxifolin-Enriched Extract	2023	ACS Omega				
1035.	Asif M.N., Imran M., Ahmad M.H., Khan M.K., Hailu G.G.	Physicochemical and Functional Properties of Moringa Seed Protein Treated with Ultrasound	2023	ACS Omega				
1036.	Sarwar I., Asif M., Jamshaid T., Saadullah M., Zubair H.M., Saleem M., Jamshaid U., Youssef F.S., Ashour M.L., Elhady S.S.	Phytochemical and biological studies of Panicum antidotale aerial parts ethanol extract supported by molecular docking study	2023	Frontiers in Pharmacology	14			
1037.	Jabeen Z., Bukhari S.A., Malik S.A.,	Improved Gut Microbiota	2023	Pakistan Veterinary Journal	43	4	707	713

	Hussain G., Kamal S.	Escalates Muscle Function Rehabilitation and Ameliorates Oxidative Stress Following Mechanically Induced Peripheral Nerve Injury in Mice						
1038.	Fareed A., Hussain M., Zafar H., Iqbal A., Sarwar M.A., Naeem M.	SDN-Enabled Context-Aware IoT Framework for Energy and Resource Management in Smart Buildings	2023	2023 International Conference on IT and Industrial Technologies, ICIT 2023				
1039.	Khalid S., Zameer F.	Revisiting Urban Immovable Property Valuation: An Appraisal of Spatial Heterogeneities in Punjab Using Big Data	2023	Pakistan Development Review	61	4	493	520
1040.	Saeed M., Alamri M.A., Rashid M.A.R., Javed M.R., Azeem F., Bashir Z., Alanzi A.R., Muhseen Z.T., Almusallam S.Y., Hussain K.	Identification of novel inhibitors against VP40 protein of Marburg virus by integrating molecular modeling and	2023	Journal of Biomolecular Structure and Dynamics				

		dynamics approaches						
1041.	Bashir S., Farooq Z., Zafar S., Tufail T., Ul Ain H.B., Hussain M., Al Jbawi E., Saha P., Kumar R., Nyarko R.O.	Recording Postprandial Glucose Reactions with Potato Starch Structural Improvements	2023	International Journal of Food Science	2023			
1042.	Sarwar M., Rasool B., Shah S.M.M., Ahmad N.	Effects of Environmental Variables and Role of Food Attractants for Management of Bactrocera zonata (Saunders, 1842) and Bactrocera dorsalis (Hendel, 1912) (Diptera: Tephritidae) in Mango Orchard	2023	Journal of the Entomological Research Society	25	3	563	578
1043.	Ishfaq A., Shahid M., Nawaz M., Ibrar D., Hussain S., Shahzad T., Mahmood F., Rais A., Gul S., Gaafar A.-R.Z., Hodhod M.S., Khan S.	Remediation of wastewater by biosynthesized manganese oxide nanoparticles and its effects on development of wheat seedlings	2023	Frontiers in Plant Science	14			
1044.	Riaz M., Nawaz M., Qadir R., Hussain S., Roheen T., Afzal	Characterization and antioxidant potential of white	2023	Open Chemistry	21	1		

	M., Perviaz M., Ali A., Aziz T., Alharbi M., Albekairi T.H., Alasmari A.F.	mustard (Brassica hirta) leaf extract and stabilization of sunflower oil						
1045.	Zaman A., Rafique A., Ashraf A., Mahmood M.S., Nahid N., Jabeen F., Sultana S., Sultana T., Ali S., Zihad S.M.N.K., Uddin S.J.	Diversity, Abundance, and Distribution of Avifauna in District Jhang, Pakistan	2023	Journal of Zoological Systematics and Evolutionary Research	2023			
1046.	Qurashi S.M., Almutairi B., Kanwal R.S., Karageorgos A., Saeed A.	Rough Fuzzy Substructures of Quantale Module Under Soft Relations and Corresponding Decision-Making Methods	2023	IEEE Access	11		1458 97	145914
1047.	Saeed F., Afzaal M., Niaz B., Hussain M., Rasheed A., Raza M.A., Umar M., Khan M.A., Suleria H., Tufail T., Al Jbawi E.	Comparative study of nutritional composition, antioxidant activity and functional properties of Cucumis melo and Citrullus lanatus seeds powder	2023	Cogent Food and Agriculture	10	1		
1048.	Safeer A.A., Hussain I., Abrar	Omnichannel Retailing in Light	2023	Psychology Research and Behavior Management	16		5069	5088

	M., Shabbir R.	of Psychological Factors: A Mediated Model						
1049.	Umer M., Nisa M.U., Ahmad N., Rahim M.A., Al-Asmari F.	Effects of different levels of dried onion powder on nutrient digestibility, biochemical parameters, and nitrogen balance in Wistar albino rats with induced hyperuricemia	2023	Frontiers in Physiology	14			
1050.	Zahra S.T., Tariq M., Abdullah M., Zafar M., Yasmeen T., Shahid M.S., Zaki H.E.M., Ali A.	Probing the potential of salinity-tolerant endophytic bacteria to improve the growth of mungbean [Vigna radiata (L.) Wilczek]	2023	Frontiers in Microbiology	14			
1051.	Ramzan M., Yousaf A.M., Khan I.U.	Fabrication and inÂ vitro characterization of delafloxacin-laden electrosprayed hydroxypropyl cellulose nanoparticulated	2023	International Journal of Polymeric Materials and Polymeric Biomaterials				

		solid dispersions for enhanced aqueous solubility and release rate of the drug						
1052.	Tamoor M., Bhatti A.R., Hussain M.I., Miran S., Kiren T., Ali A., Lee G.H.	Optimal sizing and technical assessment of a hybrid renewable energy solution for off-grid community center power	2023	Frontiers in Energy Research	11			
1053.	Khalid W., Ikram A., Nadeem M.T., Arshad M.S., Rodrigues S.D.O., Pagnossa J.P., Al-Farga A., Chamba M.V.M., Batiha G.E.-S., Koraqi H.	Effects of Traditional and Novel Cooking Processes on the Nutritional and Bioactive Profile of Brassica oleracea (Kale)	2023	Journal of Food Processing and Preservation	2023			
1054.	Shamkh I.M., Elkazzaz M., Radwan E.S., Najeeb J., Rehman M.T., Alajmi M.F., Shahwan M., Sufyan M., Alaqeel N.K., Ibrahim I.A., Jabbar B., Khan M.S., Karpiński T.M., Haikal A., Aljowaie R.M.,	AI-driven Discovery of Celecoxib and Dexamethasone for Exploring their Mode of Action as Human Interleukin (IL-6) Inhibitors to Treat COVID-19-induced Cytokine Storm in Humans	2023	Current Pharmaceutical Design	29	34	2752	2762

	Almutairi S.M., Ahmed A.							
1055.	Zaheer K., Talib M.R., Hanif M.K., Sarwar M.U.	A Multi-Kernel Optimized Convolutional Neural Network With Urdu Word Embedding to Detect Fake News	2023	IEEE Access	11		1423 71	142382
1056.	Jawad M., Sadiq N., Ali M.R.	Analysis of Chemical Reactive Tangent Hyperbolic Nanofluid Flow with Joule Heating and Motile Microorganisms Through Stretchable Surface	2023	BioNanoScience				
1057.	Ikram A., Saeed F., Afzaal M., Iqbal J., Hassan Mohamed M.	Vitamin B complex, amino acid profile and bioactive properties of newly developed rye variants	2023	International Journal of Food Properties	26	2	3556	3566
1058.	Shaukat A., Rasool U., Saeed F., Abbas Shah Y., Afzaal M., Khan M.R.	Physicochemical Assessment of Zinc Oxide Nanoparticle and Moringa oleifera Supplementation	2023	Journal of Nanomaterials	2023			

		on the Male Reproductive System of a Diabetic Rat Model						
1059.	Razia I.T., Kanwal A., Riaz H.F., Malik A., Ahsan M., Khan M.S., Raza A., Sabir S., Sajid Z., Khan M.F., Tahir R.A., Sehgal S.A.	Recent Trends in Computer-aided Drug Design for Anti-cancer Drug Discovery	2023	Current Topics in Medicinal Chemistry	23	30	2844	2862
1060.	Farooq F.B., Parveen S., Hassan Awan N.U., Fanja R.	Topological Descriptors and QSPR Modelling of HIV/AIDS Disease Treatment Drugs	2023	Discrete Dynamics in Nature and Society	2023			
1061.	Shahbaz M., Imran M., Hussain M., Alsagaby S.A., Momal U., Naeem H., Abdelgawad M.A., El-Ghorab A.H., Al Abdulmonem W., Waqar A.B., Ghoneim M.M., Musa A., Al Jbawi E.	Curcumin: a bioactive compound with molecular targets for human malignancies	2023	Food and Agricultural Immunology	34	1		
1062.	Naz S., Abbas G., Fatima A., Mustafa Chatha A.M., Nawaz A., Alrefaei	Effects of supplemental phytase on growth, nutrient	2023	Journal of Applied Animal Research	51	1	789	796

	A.F., Almutairi M.H., Rehman M.U., Gul S., Naz S.	digestibility and anti-oxidant enzyme activity in the gills of juvenile mrigal, <i>Cirrhinus mrigala</i> (Hamilton 1882) fed distillers dried grains with soluble based diets						
1063.	Oranab S., Ahmad H.M., Fiaz S., Hussain A., Rizwan M., Arif S., Ishaq S., Zakia S., Abushady A.M., Kimiko I., Attia K.A.	Genome-wide characterization and expression analysis of cyclic nucleotide-gated ion channels (CNGCs) gene family in <i>Arabidopsis</i> <i>thaliana</i> L. and <i>Helianthus</i> <i>annuus</i> L. for drought stress	2023	Revista Brasileira de Botanica				
1064.	Zubair W., Afzaal M., Saeed F., Ahmed A., Ateeq H., Akram N., Shah Y.A., Asghar A., Manoharadas S., Nawaz A., Teferi Asres D.	Survivability of <i>Lactobacillus</i> <i>rhannosus</i> under stressed conditions as affected by taro starch (<i>Colocasia</i> <i>esculenta</i>) encapsulation	2023	International Journal of Food Properties	26	2	3465	3476
1065.	Iqbal J., Mallhi A.I.,	Design and	2023	Heterocyclic Communications	29	1		

	Ur Rehman A., Al-Mijalli S.H., Un-Nisa M., Zafar F., Shahzad S., Rasool S., Iqbal M., Shah S.A.A.	synthesis of various 1,3,4-oxadiazoles as AChE and LOX enzyme inhibitors						
1066.	Naz S., Satti S., Razzaq A., Alrefaei A.F., Almutairi M.H., Gul S.	Feathers, eggs, and blood as bioindicators of heavy metals and their impact on DNA damage in captive Pavo cristatus	2023	Journal of Applied Animal Research	51	1	803	809
1067.	Subhan F., Chand N., Naz S., Alonaizan R., Hu H., Shamsi S., Khan R.U.	Effect of green tea (Camellia sinensis L.) as antimicrobial agent on growth performance and ileal histomorphology of broiler chickens	2023	Journal of Applied Animal Research	51	1	771	775
1068.	Guedri K., Nazeer M., Hussain F., Khan M.I., Farooq S., Galal A.M.	STEADY THERMAL TRANSPORT DEVELOPMENT OF ELECTRIC DOUBLE LAYER FLOW IN BIPHASE LIQUID THROUGH POROUS MEDIUM	2023	Journal of Mechanics in Medicine and Biology				

1069.	Naeem H., Momal U., Imran M., Shahbaz M., Hussain M., Alsagaby S.A., Al Abdulmonem W., Umar M., Mujtaba A., El-Ghorab A.H., Ghoneim M.M., Shaker M.E., Abdelgawad M.A., AL JBawi E.	Anticancer perspectives of genistein: a comprehensive review	2023	International Journal of Food Properties	26	2	3305	3341
1070.	Akram S., Ahmed A., Afzaal M., Saeed F., Ikram A., Asghar A., Manoharadas S., Nwaz A., Teferi Asres D.	Supplementation of chickpea flour and spinach leaves powder in Nutri bars to overcome iron deficiency in young females	2023	International Journal of Food Properties	26	2	3390	3406
1071.	Shahbaz M., Imran M., Momal U., Naeem H., Alsagaby S.A., Al Abdulmonem W., El-Ghorab A.H., Ghoneim M.M., Hussain M., Shaker M.E., Abdelgawad M.A., Mujtaba A., Jbawi E.A.	Potential effect of kaempferol against various malignancies: recent advances and perspectives	2023	Food and Agricultural Immunology	34	1		
1072.	Rehman M., Rasool M., Safder S.	DeepFake Detection Using Deep Learning	2023	Communications in Computer and Information Science	1942 CCIS		142	154

1073.	Yousaf H., Khalid I., Barkat K., Mahmood Y., Badshah S.F., Anjum I., Nafidi H.-A., Bin Jordan Y.A., Bourhia M.	Development of polymeric IPN hydrogels by free radical polymerization technique for extended release of letrozole: Characterization and toxicity evaluation	2023	E-Polymers	23	1		
1074.	Saleem K., Ikram A., Saeed F., Afzaal M., Ateeq H., Hussain M., Raza A., Rasheed A., Asghar A., Asif Shah M.	Nutritional and functional properties of kefir: review	2023	International Journal of Food Properties	26	2	3261	3274
1075.	Tahir H., Aamir M., Ahmed A., Afzaal M., Saeed F., Asghar A., Aziz M., Shahid M., Ateeq H., Islam F., Rasheed A., Muedii Z.A.-H.R., Fatima M., Shah Y.A., Rizwan Khan M., Busquets R., Asif Shah M.	Nutritional and functional characterization of date pulp-fortified cookies	2023	Cogent Food and Agriculture	9	2		
1076.	Ismail Z., Ali S., Zulfiqar A., El-Serehy H.A.	Impact of cement industries on potentially toxic elementsâ€™	2023	Environmental Pollutants and Bioavailability	35	1		

		contamination and other characteristics of topsoil: A case study						
1077.	Gull M., Javaid Z.K., Khan K., Chaudhry H.A.	Improving healthcare for substance users: the moderating role of psychological flexibility on stigma, mental health, and quality of life	2023	International Journal of Human Rights in Healthcare				
1078.	Imtiaz M., Chand N., Naz S., Alhidary I.A., Gul S., Ullah Khan R.	Effects of dietary inclusion of Moringa oleifera methanolic extract on productive performance, humoral immunity and nutrient digestibility in Japanese quails	2023	Journal of Applied Animal Research	51	1	743	748
1079.	Lu W., Farooq U., Imran M., Chammam W., El Din S.M., AkgÃ¼l A.	Comparative investigations of Ag/H2O nanofluid and Ag-CuO/H2O hybrid nanofluid with Darcy-	2023	Nanotechnology Reviews	12	1		

		Forchheimer flow over a curved surface						
1080.	Umar A., Barkat K., Hussain Shah S.N., Ashraf M.U., Badshah S.F., Ali A., Anjum I., Bin Jordan Y.A., Nafidi H.-A., Dauelbait M., Bourhia M.	Porous and highly responsive polymeric fabricated nanometrices for solubility enhancement of acyclovir; characterization and toxicological evaluation	2023	Frontiers in Materials	10			
1081.	Masood I., Noreen S., Raza K., Khalid W., Rahim M.A., Mohamedahmed K.A.	Effect of ketogenic diet and hypocaloric Mediterranean diet on metabolic and endocrine parameter in women suffering from Polycystic Ovary Syndrome	2023	International Journal of Food Properties	26	2	3187	3196
1082.	Batool F., Iqbal N., Adeel S., Azeem M., Mumtaz S., Hussaan M.	Exploration of natural colourant of (Solanum melongena L.) brinjal plant residues for fabric dyeing: a novel approach towards textile processing	2023	Natural Product Research				

1083.	Gafel H.S., Rashid S.	Enhanced evolutionary approach for solving fractional difference recurrent neural network systems: A comprehensive review and state of the art in view of time-scale analysis	2023	AIMS Mathematics	8	12	3073 1	30759
1084.	Abbas S., Shahbaz M., Ahmad S., Imran M., Naeem H., Hussain M., Mujtaba A., Mubeen K., Afzal M.I., Akram Q., Mushtaq Z., Abdelgawad M.A., Ghoneim M.M., Shaker M.E., AL JBawi E.	Utilization of mango seed oil as a cocoa butter replacer for the development of innovative chocolate	2023	International Journal of Food Properties	26	2	3226	3240
1085.	Akash M.S.H., Noureen S., Rehman K., Nadeem A., Khan M.A.	Investigating the biochemical association of gestational diabetes mellitus with dyslipidemia and hemoglobin	2023	Frontiers in Medicine	10			
1086.	Ahmad M., Mahmood M.A., Siddique A.R.	Variation in Academic Writing: A	2023	Novitas-ROYAL	17	2	50	65

		Corpus-Based Research on Syntactic Features across Four Disciplinary Divisions [Akademik Yazmada Ėitilik: Dİrt Disiplinde Sİdzimsel Ėzellikler Ėzerine Temel Alİnan Bir Dil Kullanİmİ Araİtİmasİ]						
1087.	Shah M.A., Rasool A.A., Shah I., Iqbal I., Khurram H., Khan S., Abbas A., Cheema Z., Rehman N., Shah S., Abbas Q.	Safety and Efficacy of Ketamine-Propofol in Pediatric Magnetic Resonance Imaging: A Prospective Study	2023	Latin American Journal of Pharmacy	42	11	2307	2315
1088.	Tahir ul Qamar M., Sadaqat M., Zhu X.-T., Li H., Huang X., Fatima K., Almutairi M.M., Chen L.-L.	Comparative genomics profiling revealed multi-stress responsive roles of the CC-NBS-LRR genes in three mango cultivars	2023	Frontiers in Plant Science	14			

1089.	Sultan M.T., Saeed F., Raza H., Ilyas A., Sadiq F., Musarrat A., Afzaal M., Hussain M., Raza M.A., Al JBawi E.	Nutritional and therapeutic potential of nutmeg (<i>Myristica fragrans</i>): A concurrent review	2023	Cogent Food and Agriculture	9	2		
1090.	Haider M.Z., Sami A., Shafiq M., Anwar W., Ali S., Ali Q., Muhammad S., Manzoor I., Shahid M.A., Ali D., Alarifi S.	Genome-wide identification and in-silico expression analysis of carotenoid cleavage oxygenases gene family in <i>Oryza sativa</i> (rice) in response to abiotic stress	2023	Frontiers in Plant Science	14			
1091.	Ambreen S., Arshad M.U., Imran A., Afzaal M., Madilo F.K.	A comparative study of high-pressure processing and thermal processing techniques on characteristics and microbial evaluation of orange juice	2023	International Journal of Food Properties	26	2	3214	3225
1092.	Islam S., Mansha A., Asim S.	Effects of Metal Ions and Substituents on	2023	Journal of Fluorescence				

		HOMOâ€™LUMO Gap Evident from UVâ€™Visible and Fluorescence Spectra of Anthracene Derivatives						
1093.	Anwar M.J., Altaf A., Imran M., Amir M., Alsagaby S.A., Abdulmonem W.A., Mujtaba A., El-Ghorab A.H., Ghoneim M.M., Hussain M., Jbawi E.A., Shaker M.E., Abdelgawad M.A.	Anti-cancer perspectives of resveratrol: a comprehensive review	2023	Food and Agricultural Immunology	34	1		
1094.	Sehrish A., Majeed I., Zongo E., Ayub H., Rasul H., Rahim M.A., AL-Asmari F.	A review on various extraction and detection methods of bio-functional components from microgreens: food applications and health properties	2023	International Journal of Food Properties	26	2	3082	3105
1095.	Naz S., Mustafa Chatha A.M., Rani B., Fatima A., Abbas G., Alrefaei A.F., Almutairi M.H., Gul S., Naz S.	Survival potential and assessment of deformities in embryo and larvae of Chinese carps	2023	Journal of Applied Animal Research	51	1	695	702

		(Hypophthalmichthys molitrix and Ctenopharyngodon idella) under acute exposure of cadmium and nickel						
1096.	Morya S., Kumar Chattu V., Khalid W., Zubair Khalid M., Siddeeg A.	Potential protein phycocyanin: an overview on its properties, extraction, and utilization	2023	International Journal of Food Properties	26	2	3160	3176
1097.	Shafique M., Rashid M., Ullah S., Rajwana I.A., Naz A., Razzaq K., Hussain M., Abdelgawad M.A., El-Ghorab A.H., Ghoneim M.M., Shaker M.E., Imran M., Jbawi E.A.	Quality and shelf life of strawberry fruit as affected by edible coating by moringa leaf extract, aloe vera gel, oxalic acid, and ascorbic acid	2023	International Journal of Food Properties	26	2	2995	3012
1098.	Riaz Z., Hussain M., Parveen S., Sultana M., Saeed S., Ishaque U., Faiz Z., Tayyab M.	In Silico Analysis: Genome-Wide Identification, Characterization and Evolutionary Adaptations of Bone Morphogenetic Protein (BMP) Gene Family in Homo sapiens	2023	Molecular Biotechnology				

1099.	Nawaz A., Jamal A., Arif A., Kiran S., Arshad S., Shahid M.N., Shamim Z.	Quercetin and chlorogenic acid as bioactive compounds show promising docking site interaction and reveal these bioactive compounds as potential targets for rheumatoid arthritis	2023	Informatics in Medicine Unlocked	43			
1100.	Samad A., Shaukat K., Mahmood-Ur-rahman, Ahmad H.M., Nizar M., Hakeem A., Fiaz S., Alafari H.A., Jalal A.S., Attia K.A., Karataş N.	Plant growth regulators ameliorate biochemical and molecular parameters in <i>Plantago ovata</i> Forssk. under salt stress	2023	Turkish Journal of Agriculture and Forestry	47	5	676	687
1101.	Ahmad B., Tahir M., Naz S., Alhidary I.A., Gul S.	Bacterial or fungal origin phytase enzyme affects the performance and mineralization of calcium and phosphorus differently in broiler chickens fed deficient calcium and	2023	Journal of Applied Animal Research	51	1	669	676

		phosphorous diets						
1102.	Saeed F., Kausar A., Ali Q., Mahmood A., Javed T., Shabbir R., Ali M.F.	Glutathione and zinc application upregulate the antioxidant system increasing photosynthetic pigments and growth under water stress in maize (Zea mays L.)	2023	Revista Brasileira de Botanica				
1103.	Parveen S., Saeed F., Farooq F.B., Parveen N., Idrees N., Nasir S., Fanja R.	QSPR Modeling of Fungicides Using Topological Descriptors	2023	International Journal of Analytical Chemistry	2023			
1104.	Akolade M.T., Akhtar T., Awad M.M., Tijani Y.O., Adeosun A.T.	Bioconvection analysis of EMHD and dissipative Williamson nanofluid over a three dimensional Riga plate with Joule heating effect	2023	International Journal of Modelling and Simulation				
1105.	Siddique R., Zahoor A.F., Ahmad S., Ahmad H., Hussain A.	Studying the impact of anti-oxidant extract of different vegetables on the formation of PAHs in rabbit	2023	International Journal of Nanotechnology	20	45422	719	730

		meat						
1106.	Siddique R., Sarfraz A., Zahoor A.F., Naheed S., Manzoor M.F.	Gas chromatography-mass spectrometry determination of polycyclic aromatic hydrocarbons in oil fried quail meat vs. rabbit meat	2023	International Journal of Nanotechnology	20	45422	685	695
1107.	Gafel H.S., Rashid S., Elagan S.K.	Novel codynamics of the HIV-1/HTLV-I model involving humoral immune response and cellular outbreak: A new approach to probability density functions and fractional operators	2023	AIMS Mathematics	8	12	2824 6	28279
1108.	Naveed M., Chan M.W.H., Aslam S., Wang F., Sajjad A., Ullah A., Saleem N., Haider M.S., Arija V.	Nutritional composition assessment and antimicrobial activity of Catostylus perezii, jellyfish blooms along the coast of Pakistan: an awareness to	2023	Natural Product Research				

		avoid food neophobia in Pakistan						
1109.	Irshad Z., Aamir M., Akram N., Asghar A., Saeed F., Ahmed A., Afzaal M., Ateeq H., Shah Y.A., Faisal Z., Khan M.R., Busquets R., Teferi Asres D.	Nutritional profiling and sensory attributes of sesame seed-enriched bars	2023	International Journal of Food Properties	26	2	2978	2994
1110.	Noreen S., Mansha A., Asim S.	Investigating the Use of Coumarin Derivatives as Lasers	2023	Journal of Fluorescence				
1111.	Hassan F.-U., Rehman M.S.-U., Javed M., Ahmad K., Fatima I., Safdar M., Ashraf N., Nadeem A.	Identification of phytochemicals as putative ligands for the targeted modulation of peroxisome proliferator-activated receptor α (PPAR α) in animals	2023	Journal of Biomolecular Structure and Dynamics				
1112.	Fatima K., Sadaqat M., Azeem F., Rao M.J., Albekairi N.A., Alshammari A., Tahir ul Qamar M.	Integrated omics and machine learning-assisted profiling of cysteine-rich-receptor-like kinases from three peanut spp.	2023	Frontiers in Genetics	14			

		revealed their role in multiple stresses						
1113.	Hussain I., Ayub A., Nayab A., Ashraf M.A., Ashraf M.A., Hussain S., Siddiqui M.H., Sabir M.A., Zulfiqar U., Khan T.H.	Exogenous Application of Silicon and Zinc Attenuates Drought Tolerance in Eruca sativa L. Through Increasing Chlorophyll Pigments, Osmoprotectants , and Modulating Defense Mechanisms	2023	Journal of Plant Growth Regulation				
1114.	Shamshad A., Rashid M., Jankuloski L., Ashraf K., Sultan K., Alamri S., Siddiqui M.H., Munir T., Zaman Q.U.	Effect of ethyl methanesulfonate mediated mutation for enhancing morpho-physio-biochemical and yield contributing traits of fragrant rice	2023	PeerJ	11			
1115.	Shafqat U., Maqsood A., Ishfaq A., Mustafa S., Rasheed Y., Mahmood F., Hassan M.U., Al-	Green nanotechnology for plant bacterial diseases management in cereal crops: a	2023	Notulae Botanicae Horti Agrobotanici Cluj-Napoca	51	3		

	Khayri J.M., Aldaej M.I., Sattar M.N., Rezk A.A.-S., Almaghasla M.I., Shehata W.F., Shalaby T.A.	review on metal-based nanoparticles						
1116.	Hussain M., Lubna A., Ashraf M., Anwar M.S., Ranjha Q.A., Ali A.	Ohmically dissipated MHD mixed convective flow of Williamson fluid over a penetrable stretching convective wedge with thermal radiations	2023	Numerical Heat Transfer, Part B: Fundamentals				
1117.	Shaukat A., Zaidi A., Anwar H., Kizilbash N.	Mechanism of the antidiabetic action of Nigella sativa and Thymoquinone: a review	2023	Frontiers in Nutrition	10			
1118.	Hafeez A., Hassni S.F., Naz S., Alonaizan R., Al-Akeel R.K., Sifa D., Shamsi S., Ullah Khan R.	Impact of grape (Vitis vinifera) seed extract on egg production traits, nutrients digestability, lipid peroxidation and fertility of golden laying hens (Gallus gallus) during early stage of production	2023	Veterinary Quarterly	43	1	1	7

1119.	Mushtaq S., Hanif U., Shah M.A., Mazhar N., Chauhdary Z., Qasim M., Muneeb M., Chaudhary M., Dar M.	Neuroprotective evaluation of Marsilea quadrifolia L. and Salvinia molesta D.S Mitchel in aluminium chloride induced Alzheimer disease	2023	Notulae Botanicae Horti Agrobotanici Cluj-Napoca	51	3		
1120.	Naz S., Rafique A., Ashraf A., Batool S., Alhidary I.A., Shamsi S.	Haematological alterations under the anti-helminthic application in Pavo cristatus	2023	Journal of Applied Animal Research	51	1	630	636
1121.	Hafeez A., Ali S.S., Akhtar J., Naz S., Alhidary I.A., Israr M., Khan R.U.	Garlic (Allium sativum), fenugreek (Trigonella foenum-graecum) and coriander (Coriandrum sativum): performance, nutrient digestibility and blood metabolites in broilers	2023	Journal of Applied Animal Research	51	1	624	629
1122.	Ijaz M.U., Mustafa S., Ain Q.U., Hamza A., Ali S.	Rhamnazin ameliorates 2, 3, 7, 8-	2023	Human and Experimental Toxicology	42			

		tetrachlorodibenz o-p-dioxin- evoked testicular toxicity by restoring biochemical, spermatogenic and histological profile in male albino rats						
1123.	Hamdani S.M.Z.H., Zhuang J., Hadier S.G., Khurram H., Hamdani S.D.H., Danish S.S., Fatima S.U., Tian W.	Establishment of health related physical fitness evaluation system for school adolescents aged 12â€“16 in Pakistan: a cross- sectional study	2023	Frontiers in Public Health	11			
1124.	Ejaz A., Afzaal M., Saeed F., Waliat S., Shah Y.A., Imran A., Akram N., Asghar A., Ateeq H., Alomar S.Y., Nawaz A., Teferi Asres D.	Development and characterization of symbiotic microcapsules to enhance the viability of probiotic under stressed conditions	2023	International Journal of Food Properties	26	2	2853	2868
1125.	Farooq A., Niaz B., Saeed F., Afzaal M., Armghan Khalid M., Raza M.A., Al Jbawi E.	Exploring the potential of aloe vera gel-based coating for shelf life extension and quality	2023	International Journal of Food Properties	26	2	2909	2923

		preservation of tomato						
1126.	Saif A., Anjum L., Faisal Z., Akram N., Shah Y.A., Irfan R., Saeed F., Afzaal M., Asif Shah M.	Recent advances in protein-based nanoparticles and their applications in the delivery of bioactive compounds	2023	International Journal of Food Properties	26	2	2881	2895
1127.	Mahwish, Saeed F., Nosheen F., -Ain Q.-U., Niaz B., Afzaal M., Ehsan K., Hussain M., Imran M., Al Jbawi E.	Bio-evaluation of alkaloids and saponins from bitter melon: Probing more desirable compound in treating hyperglycemia and hyperlipidemia	2023	Cogent Food and Agriculture	9	1		
1128.	Shakir S., Mubin M., Nahid N., Serfraz S., Qureshi M.A., Lee T.-K., Liaqat I., Lee S., Nawaz-ul-Rehman M.S.	REPerussions: how geminiviruses recruit host factors for replication	2023	Frontiers in Microbiology	14			
1129.	Mehreen A., Kamal S., Vagif S.M., Qaisar M., Urainab S., Ullah A.	Novel carbazole alkaloid from <i>Murraya koenigii</i> (L.) Spreng	2023	International Journal of Secondary Metabolite	10	3	354	360
1130.	Ahmad A., Javed S., Kiran S.	Statin as Repurposed Drug in Ovarian	2023	Current Pharmaceutical Design	29	27	2116	2123

		Cancer: A Comprehensive Review						
1131.	Khalid M.U., Sultan M.T., Noman A.M., Raza H., Hussain M., El-Ghorab A.H., Ghoneim M.M., Shaker M.E., Abdelgawad M.A., Imran M., Mujtaba A., Naguib I.A., Al Jbawi E.	Assessment of Physicochemical, Functional, Rheological and end-use properties of Tribulus terrestris	2023	International Journal of Food Properties	26	2	2869	2880
1132.	Tamoor M., Bhatti A.R., Farhan M., Zaka M.A., ZakaUllah P.	Solar Energy Capacity Assessment and Performance Evaluation of Designed Grid-Connected Photovoltaic Systems	2023	Engineering Proceedings	37	1		
1133.	Mufti I.U., Sufyan M., Shahid I., Alzahrani A.R., Shahzad N., M. Alanazi I.M., Ibrahim I.A.A., Rehman S.	Computer-aided identification of dengue virus NS2B/NS3 protease inhibitors: an integrated molecular modelling approach for screening of phytochemicals	2023	Journal of Biomolecular Structure and Dynamics				

1134.	Shahid R., Shahid H., Shijie L., Mahmood F., Yifan N.	Impact of opening-up on industrial upgrading in global value chain: a difference-in-differences estimation for Shanghai pilot free trade zone	2023	Kybernetes				
1135.	Saher S., Rehman M.H.-U., Imran M., Nadeem M., Abbas F., Atta Khan F., Rahim M.A., Awuchi C.G.	Fatty acids profile, antioxidant activity, lipid oxidation, induction period, and sensory properties of burgers produced from blends of fish and mango kernel oils	2023	International Journal of Food Properties	26	2	2811	2825
1136.	Gulzar R., Afzaal M., Saeed F., Samar N., Shahbaz A., Ateeq H., Farooq M.U., Akram N., Asghar A., Rasheed A., Teferi Asres D.	Bio valorization and industrial applications of ginger waste: a review	2023	International Journal of Food Properties	26	2	2772	2780
1137.	Rafiq A., Aslam S., Mohsin N.U.A., Ahmad M.	Synthetic Routes for the Development of	2023	Polycyclic Aromatic Compounds				

		Piperazine-Based Acetanilides and Their Medicinal Importance						
1138.	Younis M., Akram N.A., Latef A.A.H.A., Ashraf M.	Appraisal of Improvement in Physiological and Metabolic Processes by Exogenously Applied Natural and Synthetic Ascorbic Acid in Okra (<i>Abelmoschus esculentus</i> L.) Fruit Subjected to Water Deficit Stress	2023	Phyton-International Journal of Experimental Botany	92	10	2761	2784
1139.	Bano S., Tahira S.A., Naqvi S.N.H., Tahseen R., Shabir G., Iqbal S., Afzal M., Amin M., Boopathy R., Mahmood M.A.	Improved remediation of amoxicillin-contaminated water by floating treatment wetlands intensified with biochar, nutrients, aeration, and antibiotic-degrading bacteria	2023	Bioengineered	14	1		
1140.	Naeem M., Rahim	Digestibility,	2023	Cogent Food and Agriculture	9	1		

	M.A., Nisa M.U., Khalid K., Ahmad N., Khalid N., Sarwar M., Awuchi C.G.	intake, and growth performance of egg protein replaced with vegetable protein in weaning food						
1141.	Maya RamÃ-rez C.E., Shokat Z., Sufyan M., Rehman M.T., AlAjmi M.F., Rather G.M.	Identification of novel scaffolds targeting SIRT3 through molecular modeling techniques for the treatment of Hepatocellular carcinoma	2023	Journal of Biomolecular Structure and Dynamics				
1142.	Asif M., Nadeem M., Imran M., Ullah R., Tayyab M., Khan F.A., Al-Asmari F., Rahim M.A., Rocha J.M., Korma S.A., Esatbeyoglu T.	Effect of fat contents of buttermilk on fatty acid composition, lipolysis, vitamins and sensory properties of cheddar-type cheese	2023	Frontiers in Microbiology	14			
1143.	Hussain I., Ahmad Z., Rafique N., Bashir S., Atta Khan F., Al-Asmari F., Fazil B., Oranab S., Abdul Rahim M., Godswill Awuchi C.	Quality attributes of dehydrated pear (Pyrus communis L.) as affected by conventional and novel blanching	2023	International Journal of Food Properties	26	1	2656	2666

		techniques						
1144.	Aamir M., Arshad A., Afzaal M., Rakha A., Jalel Mahsen Oda N., Nadeem M., Saeed F., Ahmed A., Imran A., Ateeq H., Farooq R., Islam F., Manoharadas S., Nawaz A., Shah M.A.	Physicochemical and sensory profile of spiced yogurt as affected by ginger supplementation	2023	International Journal of Food Properties	26	2	2732	2741
1145.	Nazeer M., Anila S., Bibi H., Ali Z., Nazir M.W.	HALL CURRENT AND LUBRICATION EFFECTS ON MULTIPHASE FLOWS OF NON-NEWTONIAN THROUGH AN INCLINED CHANNEL WITH FLEXIBLE WALLS	2023	Nanoscience and Technology	14	4	45	64
1146.	Khalid A., Arshad M.U., Imran A., Haroon Khalid S., Shah M.A.	Development, stabilization, and characterization of nanoemulsion of vitamin D3-enriched canola oil	2023	Frontiers in Nutrition	10			
1147.	Akash M.S.H., Shahid M., Suhail S., Rehman K., Nadeem A., Mir	Tetra-ARMS PCR analysis of angiotensinogen AGT T174M	2023	Frontiers in Endocrinology	14			

	T.M.	(rs4762) genetic polymorphism in diabetic patients: a comprehensive study						
1148.	Shahbaz M., Naeem H., Momal U., Imran M., Alsagaby S.A., Al Abdulmonem W., Waqar A.B., El-Ghorab A.H., Ghoneim M.M., Abdelgawad M.A., Shaker M.E., Umar M., Hussain M., Kumar R., Al Jbawi E.	Anticancer and apoptosis inducing potential of quercetin against a wide range of human malignancies	2023	International Journal of Food Properties	26	1	2590	2626
1149.	Noureen R., Naeem M.N., Baleanu D., Mohammed P.O., Almusawa M.Y.	Application of trigonometric B-spline functions for solving Caputo time fractional gas dynamics equation	2023	AIMS Mathematics	8	11	2534 3	25370
1150.	Ahmad M., Mahmood M.A., Siddique A.R.	Determining the L2 academic writing development stage: A corpus-based research on doctoral dissertations	2023	IRAL - International Review of Applied Linguistics in Language Teaching				

1151.	Javeed H.R., Naz N., Hassan M.S., Shah S.M.R., Kausar S., Abid M., Hussain M., Akram M., Mahmood F.	Beyond survival: unraveling the adaptive mechanisms of cucurbit weeds to salt and heavy metal stress through biochemical and physiological analyses [Alfom da sobrevivência: desvendando os mecanismos adaptativos de ervas daninhas cucurbitáceas ao sal e estresse de metais pesados por meio de análises bioquímicas e fisiológicas]	2023	Brazilian Journal of Biology	83			
1152.	Kiran A., Murtiza G., Yousaf A., Hussain M., Al Jbawi E.	A critical analysis of legal responses to water pollution in Pakistan	2023	Cogent Social Sciences	9	2		
1153.	Ahmadzai F., Shaukat K., Akram H.M., ur Rehman Ansari M., Zahra N., Samad A., Nizar	Evaluating the Morpho-physiological Responses of Stevia (Stevia	2023	Gesunde Pflanzen				

	M., Hafeez M.B., Raza A.	rebaudiana) to Foliar Application of Various Plant Growth Promoters Under Drought Stress						
1154.	Kousar S., Arshad M.U., Imran A., Afzal M.F., Arshad M.S., Afzaal M., Faiza N., Zia S., Naeem U., Khalid W., Helmi N., Hassan F.A.M.	Nutritional characterization of value-added health mix using germinated barley	2023	International Journal of Food Properties	26	1	2667	2678
1155.	Maqbool Z., Tahir H.S., Nadeem M.T., Ahmad R.S., Yasmin A., Khalid W., Asar T.O., Al-Sameen M.A.	Stability of Butter Using Spray Dried Sweet Lime Peel (SLP) Powder	2023	International Journal of Food Properties	26	1	2627	2641
1156.	Azmat F., Imran A., Islam F., Afzaal M., Zahoor T., Akram R., Aggarwal S., Rehman M., Naaz S., Ashraf S., Hussain G., A. R. Suleria H., Ali Q., Bibi M., Batool F., Gul F., Amjad N., Asif Shah M.	Valorization of the phytochemical profile, nutritional composition, and therapeutic potentials of garlic peel: a concurrent review	2023	International Journal of Food Properties	26	1	2642	2655
1157.	Iqbal A., Nadeem M., Ainee A., Qureshi T.M.,	Quality evaluation of ozone-processed	2023	International Journal of Food Properties	26	1	2420	2432

	Khalid W., Malik F., Rehman S.-U., Rehman A., Zubair Khalid M., Ahmad N., Nawaz A., Mohamed Ahmed I.A.	Kinnow (Citrus reticulata Blanco) juice at ambient temperature						
1158.	Khalil E., Sultan M.T., Khalid W., Khalid M.Z., Rahim M.A., Saleem S.R., Luca M.-I., Mironeasa C., Batariuc A., Ungureanu-luga M., CoÅŃovanu I., Mironeasa S.	Evaluation of different Terminalia chebula varieties and development of functional muffins	2023	Frontiers in Sustainable Food Systems	7			
1159.	Shahid V., Nayyer M.Z., Ahmed U.	Trust-aware Cloudlet Federation Model for Secure Service Selection	2023	2023 International Conference on Energy, Power, Environment, Control, and Computing, ICEPECC 2023 - Proceedings				
1160.	Asim S., Nayyer M.Z., Ahmed U., Faheem M.	Smart Scheduling in Cloudlet Federation	2023	2023 International Conference on Energy, Power, Environment, Control, and Computing, ICEPECC 2023 - Proceedings				
1161.	Mursal M.H., Ahmed U., Nayyer M.Z.	Resource Availability Forecasting for Federated Clouds	2023	2023 International Conference on Energy, Power, Environment, Control, and Computing, ICEPECC 2023 - Proceedings				
1162.	Asghar A., Qasim M., Noor F., Ashfaq U.A., Tahir ul Qamar M., Masoud M.S., Bhatti R.,	Systematic elucidation of the multi-target pharmacological mechanism of	2023	Natural Product Research	37	22	3733	3740

	Almatroudi A., Alrumaihi F., Allemailem K.S.	Terminalia arjuna against congestive cardiac failure via network pharmacology and molecular modelling approaches						
1163.	Algethami J.S., Irshad M.K., Javed W., Alhamami M.A.M., Ibrahim M.	Iron-modified biochar improves plant physiology, soil nutritional status and mitigates Pb and Cd-hazard in wheat (Triticum aestivum L.)	2023	Frontiers in Plant Science	14			
1164.	Imran M., Saeed F., Alsagaby S.A., Imran A., Ahmad I., El Ghorab A.H., Abdelgawad M.A., Qaisrani T.B., Mehmood T., Umar M., Mumtaz M.A., Sajid A., Manzoor Q., Hussain M., Al Abdulmonem W., Al Jbawi E.	Curcumin: recent updates on gastrointestinal cancers	2023	CYTA - Journal of Food	21	1	502	513
1165.	Akram N., Afzaal M., Saeed F., Shah Y.A., Faisal Z., Asghar A., Ateeq	Liposomes: a promising delivery system for active	2023	International Journal of Food Properties	26	1	2476	2492

	H., Nayik G.A., Wani S.H., Hussain M., Asif Shah M., Khaneghah A.M.	ingredients in food and nutrition						
1166.	Tariq I., Yasmin A., Imran A., Akhtar H., Afzaal M., Azeem M., Pant R., Abid J., Islam F., Zahoor T., Kinki A.B.	A review on extraction technique and immune-boosting properties of Moringa oleifera Lam	2023	International Journal of Food Properties	26	1	2493	2508
1167.	Ateeq H., Shabir Ahmad R., Imran M., Afzaal M., Asif Shah M.	Valorization and structural characterization of onion peel powder for the development of functional bread	2023	International Journal of Food Properties	26	1	2553	2562
1168.	Tariq B., Mansha A., Asim S., Kausar A.	Effect of Substituents on Solubility, Medicinal, Absorption, Emission and Cationic/Anionic Detection Properties of Anthraquinone Derivatives	2023	Journal of Fluorescence				
1169.	Chandio A.A., Bashir U., Akram W., Usman M., Ahmad M., Jiang Y.	What role do international remittance inflows play in boostingÂ agricul	2023	International Journal of Emerging Markets				

		tural productivity? Empirical analysis of emerging Asian economies						
1170.	Rao M.J., Feng B., Ahmad M.H., Tahir ul Qamar M., Aslam M.Z., Khalid M.F., Hussain S., Zhong R., Ali Q., Xu Q., Ma C., Wang L.	LC-MS/MS-based metabolomics approach identified novel antioxidant flavonoids associated with drought tolerance in citrus species	2023	Frontiers in Plant Science	14			
1171.	Hussain M., Usman A., Tariq J., Ahmed Lak T., Seemi Malik A., Nadeem M.A.	Spirituality, altruism, and resilience of older patientâ€™s informal caregivers: investigating the moderating effect of the context of care in Pakistan	2023	Journal of Religion, Spirituality and Aging				
1172.	Asif R., Muzammil S., Yasmin R., Ahmad H., Ambreen A.	ISOLATION AND CHARACTERIZATI ON OF FUSARIUM OXYSPOURUM F.SP. VASINFECTUM CAUSATIVE	2023	Pakistan Journal of Phytopathology	35	1	103	110

		AGENT OF COTTON WILT DISEASE IN PUNJAB, PAKISTAN						
1173.	Rasheed T., Bhatti A.R., Farhan M., Rasool A., El-Fouly T.H.M.	Improving the Efficiency of Deep Learning Models Using Supervised Approach for Load Forecasting of Electric Vehicles	2023	IEEE Access	11		91604	91619
1174.	Qurashi S.M., Almutairi B., Kanwal R.S., Krstic M., Yousaf M.	Rough Substructures Based on Overlaps of Successor in Quantaes under Serial Fuzzy Relations	2023	IEEE Access	11		88778	88794
1175.	Benkhadda O., Saih M., Chaji K., Ahmad S., Reha A.	Miniaturized tri-band fractal antenna design for LTE, WLAN, WiMAX and C-band applications	2023	International Journal of Electronics				
1176.	Ayub H., Nadeem M., Mohsin M., Ambreen S., Khan F.A., Oranab S., Rahim M.A., Zubair khalid M., Zongo E., Zarlisht M.,	A comprehensive review on the availability of bioactive compounds, phytochemicals, and antioxidant	2023	International Journal of Food Properties	26	1	2388	2406

	Ullah S.	potential of plum (Prunus Domestica)						
1177.	Javaid A., Imran A., Arshad M.U., Afzaal M., Asif Shah M.	Formulation and characterization of micro-emulsions of peppermint and coriander oils extracted by using a supercritical fluid system	2023	International Journal of Food Properties	26	1	2379	2387
1178.	Hussain S., Khawar R., Amin R., Hamdani A., Majeed A.	Psychological flexibility, cognitive emotion regulation and mental health outcomes among patients with asthma in Pakistan	2023	PeerJ	11			
1179.	Sarfaraz M., Anjum F., Zahra D., Maqsood A., Ashfaq U.A.	Recent Updates on Peptide Molecules in Drug and Vaccine Development	2023	Current Pharmaceutical Design	29	20	1564	1578
1180.	Mustafa F., Khan Sherwani R.A., Raza M.A.	A progressive mean control chart for dispersed count data considering tail behavior	2023	Quality Technology and Quantitative Management				

1181.	Naheed S., Din I.U., Qamar M.U., Rasool N., Ahmad M., Bilal M., Khalid A., Ahmad G., Al-Hussain S.A., Zaki M.E.A.	Synthesis, Anti-Bacterial and Molecular Docking Studies of Arylated Butyl 2-Bromoisonicotinate Against Clinical Isolates of ESBL-Producing Escherichia coli ST405 and Methicillin-Resistant Staphylococcus aureus	2023	Infection and Drug Resistance	16		5295	5308
1182.	Shahbaz M., Naeem H., Imran M., Ul Hassan H., Alsagaby S.A., Al Abdulmonem W., Waqar A.B., Ghorab A.H., Abdelgawad M.A., Ghoneim M.M., Hussain M., Al Jbawi E., Ihsan A.	Chrysin a promising anticancer agent: recent perspectives	2023	International Journal of Food Properties	26	1	2294	2337
1183.	Akram K., Khan I., Rehman A., Hayat A., Rehman M.U., Khurshid M., Hayat P., Alshammari A., Alharbi M., Massa S.	Exploring the antimicrobial potential of biologically synthesized zero valent iron nanoparticles	2023	Open Chemistry	21	1		

1184.	Safeer M., Taj M., Khadimallah M.A., Hussain M., Akram S., Butt F.M., Tounsi A.	Bending behavior of microfilaments in living cell with nonlocal effects	2023	Advances in Nano Research	15	1	15	23
1185.	Akhtar M.N., Saeed R., Saeed F., Asghar A., Ghani S., Ateeq H., Ahmed A., Rasheed A., Afzaal M., Waheed M., Hussain B., Asif Shah M.	Silymarin: a review on paving the way towards promising pharmacological agent	2023	International Journal of Food Properties	26	1	2256	2272
1186.	Amin H., Sheikh U., Asghar K., Anjum F., Bashir M.K., Malik N., Khan N.H., Shahid I.	Community food insecurity and role of agriculture extension in rural development	2023	Journal of Global Innovations in Agricultural Sciences	11	2	259	271
1187.	Raza E.B., Khan S.A., Anees M.S., Kamal M., Masud S., Hamza A., Tahir M., Asghar M., Khan G.Z., Nawaz M.S.	Identification of Wolbachia pipientis and phylogenetic studies of plodia interpuntella populations in different cities of Pakistan	2023	Journal of Global Innovations in Agricultural Sciences	11	2	217	227
1188.	Koraqi H., Qazimi B., Khalid W., Stanoeva J.P., Sehrish A., Siddique F., Åžesko C., Ali Khan K., Rahim M.A.,	Optimized conditions for extraction, quantification and detection of bioactive compound from	2023	International Journal of Food Properties	26	1	2171	2185

	Hussain I., Zongo E.	Nettle (<i>Urtica dioica</i> L.) using the deep eutectic solvents, ultra-sonication and liquid chromatography-mass spectrometry (LC-DAD-ESI-MS/MS)						
1189.	Chu Y.-M., Sultana S., Rashid S., Alharthi M.S.	Dynamical Analysis of the Stochastic COVID-19 Model Using Piecewise Differential Equation Technique	2023	CMES - Computer Modeling in Engineering and Sciences	137	3	2427	2464
1190.	Kanwal S., Maham S., Shagari M.S., Mohamed O.K.S.K., Mustafa A.O., Bakery A.A.	Common coincidence points for Nadler's type hybrid fuzzy contractions	2023	Journal of Inequalities and Applications	2023	1		
1191.	Ejaz A., Waliat S., Arshad M.S., Khalid W., Khalid M.Z., Rasul Suleria H.A., Luca M.-I., Mironeasa C., Batariuc A., Ungureanu-Iuga M., Coşovanu I., Mironeasa S.	A comprehensive review of summer savory (<i>Satureja hortensis</i> L.): promising ingredient for production of functional foods	2023	Frontiers in Pharmacology	14			

1192.	Hassan S., Bhatti M.I., Habib S., Fatima S., Bhader S., Khan N.H., Jiang E.	How fear of intimacy affects infertile men's neuropsychological functioning through mental toughness	2023	Frontiers in Psychiatry	14			
1193.	Imran H., Saleem U., Anwar F., Khan Z., Saleem F., Ahmad B., Waqar A.B.	EVALUATION OF ANGIOGENIC AND WOUND HEALING ACTIVITY OF BERGENIA CILIATA RHIZOME: IN OVO AND IN VIVO STUDY USING HISTOLOGICAL AND ANALYTICAL TOOLS	2023	Journal of Animal and Plant Sciences	33	4	805	816
1194.	Ikram A., Saeed F., Noor R.A., Imran A., Afzaal M., Rasheed A., Islam F., Iqbal A., Zahoor T., Naz S., Waheed W., Shahid M.Z., Khan A.W., Kinki A.B.	A comprehensive review on biochemical and technological properties of rye (Secale cereale L.)	2023	International Journal of Food Properties	26	1	2212	2228
1195.	Ali A., Ali M., Nisar Z., Shah S.M.A., Mustafa I., Nisar J.,	Antibacterial Activity of Economically	2023	Bioinformatics and Biology Insights	17			

	Asif R.	Important Medicinal Plants in Pakistan Against Different Bacterial Strains						
1196.	Noreen S., Khalid W., Khan Niazi M., Javed M., Aziz A., Raza A., Zubair Khalid M., Chamba M.V.M.	Application of radish pods in households and effect of their active components against different diseases: A review	2023	International Journal of Food Properties	26	1	2039	2054
1197.	Asghar Z., Arshad M.S., Khalid W., Saeed F., Imran A., Suleria H.A.R.	Impact of gamma irradiation and poppy seed extract on quality and storage stability of beef patties	2023	International Journal of Food Properties	26	1	1645	1662
1198.	Ghandourah E.G., Hussain M., Khadimallah A.K., Alhawsawi A.A., Banoqitah E.M.B., Ali M.R.R.	Vibration analysis of double double-walled carbon nanotubes based on Timoshenko beam theory and wave propagation approach	2023	Advances in Nano Research	14	6	521	525
1199.	Ejaz M., Raja N.I., Khan S.A., Mashwani Z.-U.-R., Hanif A., Iqbal M.,	BIOSYNTHESIZED SILVER NANOPARTICLES AMELIORATE	2023	Pakistan Journal of Botany	55	6	2019	2028

	Hussain M., Syed A., Iqbal R.K., Qureshi H., Anwar T., Rauf A.	BIOTIC STRESS IN RICE (ORYZA SATIVA) BY INTRICATING BIOCHEMICAL AND MINERAL PROFILE						
1200.	Maryam H., Azhar S., Akhtar M.N., Asghar A., Saeed F., Ateeq H., Afzaal M., Akram N., Munir H., Anjum W., Asif Shah M.	Role of bioactive components of ginger in management of osteoarthritis: a review	2023	International Journal of Food Properties	26	1	1903	1913
1201.	Ahmad A., Mushtaq Z., Saeed F., Afzaal M., Al Jbawi E.	Ultrasonic-assisted green synthesis of silver nanoparticles through cinnamon extract: biochemical, structural, and antimicrobial properties	2023	International Journal of Food Properties	26	1	1984	1994
1202.	Noor F., Ashfaq U.A., Bakar A., Qasim M., Masoud M.S., Alshammari A., Alharbi M., Riaz M.S.	Identification and characterization of codon usage pattern and influencing factors in HFRS-causing hantaviruses	2023	Frontiers in Immunology	14			
1203.	Noman M., Afzaal	Effect of starch-	2023	International Journal of Food Properties	26	1	1841	1854

	M., Saeed F., Ahmad A., Imran A., Akram N., Asghar A., Shah Y.A., Ateeq H., Khan M.R., Lorenzo J.M., Teferi Asres D.	based nanoparticles on the viability and stability of probiotics under adverse conditions						
1204.	Sabah N.U., Khan M.M., Talib R., Anwar M., Malik M.S.A., Nohuddin P.N.E.	Google Scholar University Ranking Algorithm to Evaluate the Quality of Institutional Research	2023	Computers, Materials and Continua	75	3	4955	4972
1205.	Zahid F.M., Faisal S., Kamal S., Shahzad K., Iram S., Ahinkorah B.O., Seidu A.-A., Rasheed A., Hagan J.E.	Model Selection and Identification of Osteoporosis Risk Factors in Women to Improve Their Healthcare	2023	Journal of Healthcare Engineering	2023			
1206.	Rubab S., Mahmood F., Shahzad T., Shahid M., Hussain S.	Reduction of hexavalent chromium in wastewater and three varying agricultural soils using a bacterial strain Bacillus sp. SR18 isolated from a contaminated	2023	Pakistan Journal of Agricultural Sciences	60	2	293	302

		field						
1207.	Mushtaq Z., Sadeer N.B., Hussain M., Mahwish, Alsagaby S.A., Imran M., Mumtaz T., Umar M., Tauseef A., Al Abdulmonem W., Tufail T., Al Jbawi E., Mahomoodally M.F.	Therapeutical properties of apigenin: a review on the experimental evidence and basic mechanisms	2023	International Journal of Food Properties	26	1	1914	1939
1208.	Chu Y.-M., Rashid S., Karim S., Sultan A.	New Configurations of the Fuzzy Fractional Boussinesq Model with Application in Ocean Engineering and Their Analysis in Statistical Theory	2023	CMES - Computer Modeling in Engineering and Sciences	137	2	1573	1611
1209.	Akash M.S.H., Yaqoob A., Rehman K., Imran M., Assiri M.A., Al-Rashed F., Al-Mulla F., Ahmad R., Sindhu S.	Metabolomics: a promising tool for deciphering metabolic impairment in heavy metal toxicities	2023	Frontiers in Molecular Biosciences	10			
1210.	Marghoob M.U., Nawaz A., Ahmad M., Waheed M.Q., Khan M.H., Imtiaz	Assessment of halotolerant bacterial and fungal consortia	2023	Frontiers in Microbiology	14			

	M., Islam E.U., Imran A., Mubeen F.	for augmentation of wheat in saline soils						
1211.	Arooj S., Naz S., Qaisar A., Satti S., Razzaq A., Alrefaei A.F., Albeshr M.F., Durrani M., Dai S., Khan R.U.	Interspecific heavy metal variations and bioaccumulation in peafowl (<i>Pavo cristatus</i>)	2023	Journal of Applied Animal Research	51	1	530	539
1212.	Shahid I., Shoaib M., Raza R.Z., Jahangir M., Abbasi S.W., Riasat A., Akbar A., Mehnaz S.	In-silico Evaluation of Novel Honokiol Derivatives against Breast Cancer Target Protein LKB1	2023	Anti-Cancer Agents in Medicinal Chemistry	23	12	1388	1396
1213.	Ahmad N., Fatima S., Mehmood M.A., Zaman Q.U., Atif R.M., Zhou W., Rahman M.-U., Gill R.A.	Targeted genome editing in polyploids: lessons from Brassica	2023	Frontiers in Plant Science	14			
1214.	Imtiaz A., Shuaib U.	On conjunctive complex fuzzification of lagrange's theorem of cfs	2023	AIMS Mathematics	8	8	1888 1	18897
1215.	Tahir M.N., Ashfaq M., Ali A., Lai C.H., Rao B.R., Munawar K.S., Shahid I.A.	Synthesis, SC XRD Based Structure Elucidation, Supramolecular Assembly Exploration Via	2023	Acta Chimica Slovenica	70	2	281	293

		Hirshfeld Surface Analysis, Computational and QTAIM Study of Functionalized Anilide						
1216.	Ameen F., Mumtaz S., Ali B., Hussain I., Hafeez A., Gul A., Elsharkawy M.M., Hashim T.A., Yasin G., Khan M.N., Ali I., Eldin S.M., Rashwan M.A., Elansary H.O., Ali S.	The impact of Cu-polluted and organic soil on the fibrous plant; insights into plant growth promotion, antioxidant defences system, and oxidative stress	2023	Functional Plant Biology				
1217.	Afzal W., Shabbir K., Arshad M., Asamoah J.K.K., Galal A.M.	Some Novel Estimates of Integral Inequalities for a Generalized Class of Harmonical Convex Mappings by Means of Center-Radius Order Relation	2023	Journal of Mathematics	2023			
1218.	Ahmad A., Afzaal M., Saeed F., Ali S.W., Imran A., Zaidi S.Y.R., Saleem M.A., Hussain M., Al Jbawi E.	A comprehensive review of the therapeutic potential of citrus bioflavonoid hesperidin against lifestyle-	2023	Cogent Food and Agriculture	9	1		

		related disorders						
1219.	Azeem M., Saeed F., Afzaal M., Ateeq H., Ahmad A., Liaqat A., Busquets R., Lorenzo J.M., Asif Shah M.	Encapsulation of probiotics in solid lipid micro particle for improved viability and stability under stressed conditions	2023	International Journal of Food Properties	26	1	1612	1623
1220.	Islam F., Asif A., Imran A., Ali S., Batool L., Shehzadi U., Ali R., Afzaal M., Zahoor T., Rashid M., Ahmed A., Saeed F., Jameel M., Naeem A., Abbas M., Zahra S.M., Asif Shah M., Ali Y.A.	Health benefits, importance, and challenges during production of cultured meat: An overview	2023	International Journal of Food Properties	26	1	1724	1735
1221.	Gul W., Akbar Shah S.R., Khan A., Ahmad N., Ahmed S., Ain N., Mehmood A., Salah B., Ullah S.S., Khan R.	Synthesis of graphene oxide (GO) and reduced graphene oxide (rGO) and their application as nano-fillers to improve the physical and mechanical properties of medium density fiberboard	2023	Frontiers in Materials	10			
1222.	Albaqami F.F.,	Development of a	2023	BioMed Research International	2023			

	Altharawi A., Althurwi H.N., Alharthy K.M., Tahir Ul Qamar M., Muhseen Z.T., Iqbal M.	Novel Vaccine Candidates against Cardiobacterium valvarum through Reverse Vaccinology and Computational Approaches						
1223.	Naz A., Raza N., Sharif M., Razzaq K., Ullah S., Afzal M.I., Hussain M., Al-Mijalli S.H., Alsuhaibani A.M., Al-Shawi A.H., Imran M., Mushtaq Z., Al Jbawi E.	Performance evaluation of different grown ber (Ziziphus mauritiana) cultivars under low-temperature storage	2023	International Journal of Food Properties	26	1	1736	1748
1224.	Kiran F., Afzaal M., Shahid H., Saeed F., Ahmad A., Ateeq H., Islam F., Yousaf H., Shah Y.A., Nayik G.A., Alfarraj S., Ansari M.J., Asif Shah M.	Effect of protein- based nanoencapsulatio n on viability of probiotic bacteria under hostile conditions	2023	International Journal of Food Properties	26	1	1698	1710
1225.	Iqbal Z., Akhtar H.M.S., Aslam F., Randhawa M.A., Afzal M.I., Umer M., Imran M., Hussain M., Alomar T.S., AlMasoud N., Ghoneim M.M.,	Characterization of wheat flour millstreams for friabilin prevalence and nutrient composition	2023	International Journal of Food Properties	26	1	1711	1723

	Ebrahim H.A., Al JBawi E., Mujtaba A.							
1226.	Ullah A.	Talibanâ€™s Government in Afghanistan and the Dilemmas of Pakistan	2023	FWU Journal of Social Sciences	17	2	24	33
1227.	Bin-Mohsin B., Javed M.Z., Awan M.U., Budak H., Khan A.G., Cesarano C., Noor M.A.	Unified inequalities of the q-Trapezium-Jensen-Mercer type that incorporate majorization theory with applications	2023	AIMS Mathematics	8	9	2084 1	20870
1228.	Akbar M., Aleem K., Sandhu K., Shamoon F., Fatima T., Ehsan M., Shaukat F.	A Mini Review on Insect Pests of Wheat and Their Management Strategies	2023	International Journal of Agriculture and Biosciences	12	2	110	115
1229.	Ramzan U., Abid K., Zafar M.A., Anwar A.M., Nadeem M., Tanveer U., Fatima U.	Trichoderma: Multitalented Biocontrol Agent	2023	International Journal of Agriculture and Biosciences	12	2	77	82
1230.	Ijaz N., Afzaal M., Niaz B., Saeed F., Nosheen F., Asif Khan M., Hussain M., Raza M.A., Imran M., Al Jbawi E.	Structural and functional investigations of wall material extracted from banana peels	2023	International Journal of Food Properties	26	1	1636	1644

1231.	Hameed A., Anwar M.J., Perveen S., Amir M., Naeem I., Imran M., Hussain M., Ahmad I., Afzal M.I., Inayat S., Awuchi C.G.	Functional, industrial and therapeutic applications of dairy waste materials	2023	International Journal of Food Properties	26	1	1470	1496
1232.	Biswas S., Islam F., Imran A., Zahoor T., Noreen R., Fatima M., Zahra S.M., Asif Shah M.	Phytochemical profile, nutritional composition, and therapeutic potentials of chia seeds: A concise review	2023	Cogent Food and Agriculture	9	1		
1233.	Naseem M.B.B., Ali Q., Ali S., Khalid M.R., Nawaz M.	SELENIUM APPLICATION REDUCES CADMIUM UPTAKE IN TOMATO (LYCOPERSICUM ESCULENTUM MILL.) BY MODULATING GROWTH, NUTRIENT UPTAKE, GAS EXCHANGE, ROOT EXUDATES AND ANTIOXIDANT PROFILE	2023	Pakistan Journal of Botany	55	5	1633	1646
1234.	Zubair M., Khalil S.,	Integrated	2023	Journal of Biomolecular Structure and	41	24	1471	14729

	Rasul I., Nadeem H., Noor F., Ahmad S., Alrumaihi F., Allemailem K.S., Almatroudi A., Alshehri F.F., Alshehri Z.S.	molecular modeling and dynamics approaches revealed potential natural inhibitors of NF- κ B transcription factor as breast cancer therapeutics		Dynamics			5	
1235.	Iqbal M., Raja N.I., Khan S.A., Ali A., Hanif A., Hussain M., Anwar T., Qureshi H., Saeed M., Rauf A., Alharbi S.A., Ansari M.J., Iqbal R.K.	EVALUATION OF GREEN SYNTHESIZED SILVER NANOPARTICLES AGAINST BACTERIAL PATHOGENIC STRAINS OF PLANTS	2023	Pakistan Journal of Botany	55	5	1967	1972
1236.	Taj M., Hussain M., Khadimallah M.A., Safeer M., Mahmoud S.R., Iqbal Z., Ali M.R., Majeed A., Ahmad M., Tounsi A.	Buckling behavior of intermediate filaments based on Euler Bernoulli and Timoshenko beam theories	2023	Advances in Concrete Construction	15	3	171	178
1237.	Khadimallah M.A., Hussain M., Ali E., Tounsi A.	Strength prediction of steady laminar fluid with normal velocity distribution: A	2023	Advances in Concrete Construction	15	5	313	319

		simplified truncation technique						
1238.	Suleman S., Kanwal M.A., Ali R., Kanwal N., Yasmeen S., Mehmood M.Y., Siddique S., Ahmad S.N., Younis A., Inayat I., Ahmad K.R.	Morus nigra Fruit Extract Safeguards Frozen Thawed Bovine Sperm Parameters	2023	Iranian Journal of Applied Animal Science	13	2	267	275
1239.	Rasool N., Omer M.O., Javeed A., Nawaz M., Rasheed M.A., Imran M., Hussain M., Dawood A.F., Mushtaq Z., Al Jbawi E.	Phytochemical properties and in-vitro cytotoxicity, genotoxicity and mutagenicity assessment of ethanolic and aqueous extracts of Argyrolobium roseum (Camb.)	2023	International Journal of Food Properties	26	1	1457	1469
1240.	Taj M., Ahmad M., Khadimallah M.A., Akram S., Hussain M., Tahir M., Butt F.M., Tounsi A.	Lubrication phenomenon in the stagnation point flow of Walters-B nanofluid	2023	Advances in Concrete Construction	15	5	303	312
1241.	Azam S.M., Mahmood Y., Sial N., Mustafa G., Ali A., Kausar S.	Loss of Biodiversity Due to Road Accidents in District Bahawalpur, Punjab, Pakistan	2023	Egyptian Journal of Veterinary Science(Egypt)	54	3	369	378

1242.	Alvi K., Ijaz M.U., Hamza A., Ashraf A., Arooj J., Ehsan N.	Nephroprotective Effects of Delphinidin against Bisphenol an Induced Kidney Damage in Rats	2023	Pakistan Veterinary Journal	43	1	189	193
1243.	Anwar I., Ashfaq U.A.	Impact of Nanotechnology on Differentiation and Augmentation of Stem Cells for Liver Therapy	2023	Critical Reviews in Therapeutic Drug Carrier Systems	40	6	89	116
1244.	Alanazi A.S., Rasheed S., Rehman K., Mallhi T.H., Akash M.S.H., Alotaibi N.H., Alzarea A.I., Tanveer N., Khan Y.H.	Biochemical association of regulatory variant of KLF14 genotype in the pathogenesis of cardiometabolic patients	2023	Frontiers in Endocrinology	14			
1245.	Ijaz M.U., Shahzadi S., Hamza A., Azmat R., Anwar H., Afsar T., Shafique H., Bhat M.A., Naglah A.M., Al-Omar M.A., Razak S.	Alleviative effects of pinostrobin against cadmium-induced renal toxicity in rats by reducing oxidative stress, apoptosis, inflammation, and mitochondrial dysfunction	2023	Frontiers in Nutrition	10			

1246.	Shah P.A., Kamal Y., Razzaq F.A., Ramzan H.M., Shoukat A., Pervaiz A., Liaqat I., Anwar S., Khan W.H., Nazir T., Khalid S.H.	Formulation Development and In vitro Characterization of Omperazole Floating Tablets by Using Eudragit and HPMC	2023	Latin American Journal of Pharmacy	42	6	1148	1154
1247.	Alharby H.F., Al-Zahrani H.S., Hakeem K.R., Ali S.	Exogenous application of trehalose minimizes cadmium toxicity and alleviates oxidative stress in wheat under cadmium stress	2023	Turkish Journal of Agriculture and Forestry	47	3	364	377
1248.	Shah P.A., Kamal Y., Razzaq F.A., Ramzan H.M., Shoukat A., Pervaiz A., Liaqat I., Anwar S., Khan W.H., Nazir T., Khalid S.H.	Esomeprazole Floating Tablets by Using HUSK/HPMC Polymers: Formulation Development and In-vitro Characterization	2023	Latin American Journal of Pharmacy	42	6	1133	1139
1249.	Zahoor A., Niaz Z., Seo H., Jabran M., Azeem F., Joyia F.A., Nawaz M.A., Yang S.H., Ali M.A.	Computational insights into evolutionary and functional biology of plant cell wall degrading pectate lyases from plant	2023	Pakistan Journal of Agricultural Sciences	60	1	95	106

		parasitic nematodes of the order Tylenchida						
1250.	Bashir M., Aamir M., Afzaal M., Saeed F., Asghar A., Ahmed A., Aziz M., Ateeq H., Shah Y.A., Khan M.R., Busquets R., Teferi Asres D.	Enrichment of apricot probiotic drink with sea buckthorn as a prebiotic and antioxidant source	2023	International Journal of Food Properties	26	1	1351	1363
1251.	Rakha A., Rasheed H., Rabail R., Muntaha S.T., Fatima I., Noreen R., Aadil R.M.	Scrabbling the Nutraceutical Potential of Berries in Gastrointestinal Disorders: A Review	2023	Food Reviews International				
1252.	Sarfraz M.H., Zubair M., Aslam B., Ashraf A., Siddique M.H., Hayat S., Cruz J.N., Muzammil S., Khurshid M., Sarfraz M.F., Hashem A., Dawoud T.M., Avila-Quezada G.D., Abd_Allah E.F.	Comparative analysis of phyto-fabricated chitosan, copper oxide, and chitosan-based CuO nanoparticles: antibacterial potential against Acinetobacter baumannii isolates and anticancer activity against HepG2 cell lines	2023	Frontiers in Microbiology	14			

1253.	Sadaqat M., Umer B., Attia K.A., Abdelkhalik A.F., Azeem F., Javed M.R., Fatima K., Zameer R., Nadeem M., Tanveer M.H., Sun S., Ercisli S., Nawaz M.A.	Genome-wide identification and expression profiling of two-component system (TCS) genes in Brassica oleracea in response to shade stress	2023	Frontiers in Genetics	14			
1254.	Sarfraz M., Ibn-UI-Hassan S., Abdullah M.I., Ozturk I., Mumtaz N.	The effect of entrepreneurs' personality on entrepreneurial marketing in textile sector: the mediating role of self-efficacy [Influența personalității antreprenorilor asupra marketingului antreprenorial în sectorul textil: rolul de mediere al autoeficacității]	2023	Industria Textila	74	2	230	237
1255.	Naz M., Hashmi R., Nazeer S., Raza H.A., Akhtar N., Hussain Z., Khan B.S., Khan N.H., Ahmad S.	Agripreneurship as a sustainable panacea of food security; an emerging issue	2023	Journal of Global Innovations in Agricultural Sciences	11	1	91	95

1256.	Benkhadda O., Saih M., Chaji K., Ahmad S., Reha A.	A Novel Miniaturized Dual Band Slotted Monopole Antenna for WLAN and WiMAX Applications	2023	Progress In Electromagnetics Research C	133		167	179
1257.	Mustafa F., Sherwani R.A.K., Raza M.A.	A new exponentially weighted moving average control chart to monitor count data with applications in healthcare and manufacturing	2023	Journal of Statistical Computation and Simulation	93	18	3308	3328
1258.	Serrano L., Lacerda J.W.F., Moura M.S., Ali A., de Vasconcelos L.G., Sousa P.T., Junior, Bellete B.S., Soares M.A., Vieira L.C.C., Sampaio O.M.	Metabolomics Analysis of Combretum lanceolatum Roots in the Presence of Its Endophytic Fungi	2023	Journal of the Brazilian Chemical Society	34	2	234	241
1259.	Munawwar A., Sajjad A., Faisal S., Rasul A., Zarbab A., Bibi A., Ahmad A., Siddique S.	Basic Findings of Incidence of Breast Cancer in Allied Hospital Faisalabad, Pakistan: A Retrospective Study	2023	Iranian Journal of Public Health	52	6	1199	1206
1260.	Alsharidi A.K.,	Short-memory	2023	AIMS Mathematics	8	8	1909	19120

	Rashid S., Elagan S.K.	discrete fractional difference equation wind turbine model and its inferential control of a chaotic permanent magnet synchronous transformer in time-scale analysis					7	
1261.	Shaukat H., Ali A., Zhang Y., Ahmad A., Riaz S., Khan A., Mehany T., Qin H.	Tea polyphenols: extraction techniques and its potency as a nutraceutical	2023	Frontiers in Sustainable Food Systems	7			
1262.	Iqbal G., Javed H., Raza F.A., Gohar U.F., Fatima W., Khurshid M.	Diagnosis of Acute Dengue Virus Infection Using Enzyme-Linked Immunosorbent Assay and Real-Time PCR	2023	Canadian Journal of Infectious Diseases and Medical Microbiology	2023			
1263.	Khadimallah M.A., Harbaoui I., Helaili S., Benslimane A., Sharif H., Hussain M., Naeem M.N., Ali M.R., Majeed A., Tounsi A.	Response of rotational parameter in the stagnation point with motile microorganism: Unsteady	2023	Advances in Concrete Construction	15	4	241	249

		nanofluid						
1264.	Yasmeen N., Aslam B., Fang L.-X., Baloch Z., Liu Y.	Occurrence of extended-spectrum β -lactamase harboring K. pneumoniae in various sources: a one health perspective	2023	Frontiers in Cellular and Infection Microbiology	13			
1265.	Ullah I., Zeng X.-M., Hina S., Syed S., Ma X., Iyakaremye V., Yin J., Singh V.P.	Recent and projected changes in water scarcity and unprecedented drought events over Southern Pakistan	2023	Frontiers in Earth Science	11			
1266.	Nayab S., Hanif M.K., Talib R., Sarwar M.U.	Aspect-Context Level Information Extraction via Transformer Based Interactive Attention Mechanism for Sentiment Classification	2023	IEEE Access	11		5768 3	57692
1267.	Ali F., Nawaz M., Anwar M., Iqbal N.	SILICIC ACID AND GLUTATHIONE APPLICATION IMPROVES ELEVATED OZONE TOXICITY TOLERANCE BY	2023	Pakistan Journal of Botany	55	5	1647	1660

		MODULATING BIOMASS, SENESENCE, SEED QUALITY ATTRIBUTES AND OXIDATIVE STRESS INDICATORS IN SESAME (SESAMUM ÆNDÄ°CUM L.)						
1268.	Jabbar S., Asif H., Ahmad R., Sharif S., Khan I.A., Shafique M.A.	Changes in Structural and Optical Properties of TiO2 Thin Films Irradiated by Various Doses of 300Â keV Carbon Ions	2023	Journal of Materials Engineering and Performance				
1269.	Ali A., Javaid M.T., Tazeddinova D., Khan A., Mehany T., Djabarovich T.A., Siddique R., Khalid W., Tariq T., Lai W.-F.	Optimization of spray dried yogurt and its application to prepare functional cookies	2023	Frontiers in Nutrition	10			
1270.	Safeer Abbas M., Afzaal M., Saeed F., Asghar A., Jianfeng L., Ahmad A., Ullah Q., Elahi S., Ateeq H., Shah Y.A., Nouman M., Shah	Probiotic viability as affected by encapsulation materials: recent updates and perspectives	2023	International Journal of Food Properties	26	1	1324	1350

	M.A.							
1271.	Tabassum R., Kousar S., Mustafa G., Jamil A., Attique S.A.	In Silico Method for the Screening of Phytochemicals against Methicillin- Resistant Staphylococcus Aureus	2023	BioMed Research International	2023			
1272.	Memoona, Faazal B., Qasim M., Mumtaz S., Iftikhar M., Khalid I., Muzaffar M.J., Nisar H., Adrees M.	Crop quality and quantity as influenced by important air pollutants in Pakistan	2023	Advances in Botanical Research	108		109	144
1273.	Victor F., Rehman K., Akash M.S.H., Rasheed S., Imran M., Assiri M.A.	Technological Advancement in ω-3 Fatty Acids: Their Therapeutic Functions and Novel Delivery Strategies	2023	Current Pharmaceutical Design	29	12	893	903
1274.	Zubair Arshad H.M., Imran M., Haider A., Shahzadi I., Mustajab M., Ul- Hamid A., Nabgan W., Medina F., Aslam S., Ikram M.	Dye degradation, antimicrobial activity, and molecular docking analysis of carbon sphere and graphene oxide“doped aluminum oxide	2023	Frontiers in Environmental Science	11			
1275.	Faiza N., Imran A., Arshad M.U.,	Valorization and characterization	2023	Frontiers in Nutrition	10			

	Arshad M.S., Shah M.A.	of corn by-product polyphenols through green extraction technologies						
1276.	Noor F., Ashfaq U.A., Bakar A., ul Haq W., Allemailem K.S., Alharbi B.F., Al-Megrin W.A.I., Tahir ul Qamar M.	Discovering common pathogenic processes between COVID-19 and HFRS by integrating RNA-seq differential expression analysis with machine learning	2023	Frontiers in Microbiology	14			
1277.	Tao H., Anjum N., Yang Y.-J.	The Aboodh transformation-based homotopy perturbation method: new hope for fractional calculus	2023	Frontiers in Physics	11			
1278.	Ajaz N., Bukhsh M., Kamal Y., Rehman F., Irfan M., Khalid S.H., Asghar S., Rizg W.Y., Bukhary S.M., Hosny K.M., Alissa M., Safhi A.Y., Sabei F.Y., Khan I.U.	Development and evaluation of pH sensitive semi-interpenetrating networks: assessing the impact of itaconic acid and aloe vera on network	2023	Frontiers in Bioengineering and Biotechnology	11			

		swelling and cetirizine release						
1279.	Iqbal S., Jabeen F., Aslam N., Manan M.	Anti-EMT properties of ergothioneine attenuate lipopolysaccharide-induced oxidative stress-mediated acute lung injury via modulating TGF- β 2/smad/snail signaling pathway	2023	Human and Experimental Toxicology	42			
1280.	Zafar U., Hameed A., Amjad A., Javed M.S., Afzaal M.I., Umer M., Al-Serwi R.H., Batool Qaisarani T., Imran M., Hussain M., Anwar M.J., Siddique F., Suleman R., AL JBawi E.	Potential of barley enriched yogurt to improve probiotic growth for the management of hypercholesterolemia	2023	International Journal of Food Properties	26	1	1177	1189
1281.	Abbas Q., Bokhari T.H., Usman M., Munir M., Iqbal M., Nazir A., Talib N.B., Elqahtani Z.M., Alwadai N., Ahmad N.	Efficient Removal and Conditions Optimization of Textile Dyes Using UV/TiO2 Based Advanced Oxidation Process	2023	Polish Journal of Environmental Studies	32	3	2465	2471
1282.	Islam F., Afzaal M., Chauhan A., Imran	Chemical and biological	2023	International Journal of Food Properties	26	1	1167	1176

	A., Shahid S., Asghar A., Zahoor T., Mahvish Zahra S., Asif Shah M.	properties of Cydonia oblonga L. flour: a concurrent review						
1283.	Yue G., Zubair A., Usman M., Abro M.A.	Institutional Environment and Tourism: Moderating Role of Host Countriesâ€™ Health System	2023	Journal of the Knowledge Economy				
1284.	Nazir M.S., Aslam S., Ahmad M., Zahoor A.F.	Recent updates on the synthesis of thiazolopyrimidin es derivatives	2023	Synthetic Communications	53	15	1173	1206
1285.	Mazher Qurashi S., Gulzar M., Sumaira Kanwal R., Akter D., Shawaiz Safdar M.	A Novel Characterization of Fuzzy Soft Substructures in Quantales Theory	2023	Complexity	2023			
1286.	Mushtaq Z., Imran M., Hussain M., Saeed F., Imran A., Umar M., A. Abdelgawad M., El- Ghorab A.H., Ahmed A., Alsagaby S.A., Mahomoodally M.F., Al Jbawi E.	Asiatic acid: a review on its polypharmacologi cal properties and therapeutic potential against various Maladies	2023	International Journal of Food Properties	26	1	1244	1263
1287.	Naz A., Razzaq K., Raza N., Hussain	Evaluation of enzymatic and	2023	International Journal of Food Properties	26	1	1230	1243

	M., Mujtaba A., Afzal M.I., Umer M., Alsuhaibani A.M., Al-Shawi A.H., Umar M., Mushtaq Z., Imran M., ALJBawi E.	non-enzymatic antioxidant potential of sprouted indigenous legumes from Pakistan						
1288.	Ahmad A., Asim M., Malik N., Safdar M.R., Sher F., Sohail M.M.	Between Life and Death: How do Muslim Terminal Patients in Pakistan cope with Hepatitis C utilizing their Beliefs and Social Support?	2023	Journal of Religion and Health				
1289.	Shahbaz M., Imran M., Alsagaby S.A., Naeem H., Al Abdulmonem W., Hussain M., Abdelgawad M.A., El-Ghorab A.H., Ghoneim M.M., El-Sherbiny M., Atoki A.V., Awuchi C.G.	Anticancer, antioxidant, ameliorative and therapeutic properties of kaempferol	2023	International Journal of Food Properties	26	1	1140	1166
1290.	Perveen S., Anwar M.J., Ismail T., Hameed A., Naqvi S.S., Mahomoodally M.F., Saeed F., Imran A., Hussain M., Imran M., Ur	Utilization of biomaterials to develop the biodegradable food packaging	2023	International Journal of Food Properties	26	1	1122	1139

	Rehman H., Khursheed T., Tufail T., Mehmood T., Ali S.W., Al Jbawi E.							
1291.	Alghaffari S., Hussain M., Khadimallah M.A., Al Thobiani F., Sulaimani H.T.	Simply supported boundary condition for bifurcation analysis of functionally graded material: Thickness control by exponential fraction law	2023	Advances in Nano Research	14	4	303	312
1292.	Farooq M., Khan A.S., Shaheen T., Almas M.H., Malik A.U., Anwar R., Naveed-Ur-rehman R., Ali S., Hassan M.U.	EXOGENOUS APPLICATION OF MACRO-AND MICRO- NUTRIENTS IMPROVES PLANT GROWTH, PRODUCTIVITY AND QUALITY OF “PINEAPPLE” ™ SWEET ORANGE	2023	Pakistan Journal of Botany	55	4	1305	1312
1293.	Shagari M.S., Kanwal S., Azam A., Aydi H., Gaba Y.U.	Common Fixed Point Results for Intuitionistic Fuzzy Hybrid Contractions with Related Applications	2023	Journal of Mathematics	2023			

1294.	Al-Shamiri M.M., Ismail R., Mazher Qurashi S., Dilawar F., Ahmed Shami F.	Multi-Criteria Decision-Making with Novel Pythagorean Fuzzy Aggregation Operators	2023	Journal of Mathematics	2023			
1295.	Rasheed A., Ahmad J., Nadeem M., Rashid M.A.R., Azeem F.	Microsatellite markers-aided dissection of iron, zinc and cadmium accumulation potential in Triticum aestivum	2023	PeerJ	11			
1296.	Khadimallah M.A., Benslimane A., Harbaoui I., Helaili S., Hussain M., Ali M.R., Iqbal Z., Tounsi A.	An innovative fraction laws with ring support: Active vibration control of rotating FG cylindrical shell	2023	Earthquake and Structures	24	4	237	245
1297.	Adrees M., Iram M., Duggal J.I., Rizwan M., Shafaqat Ali M., Abideen Z.U., Khalid I.	Efficacy of nanoparticles for ameliorating detrimental effects of ozone and salinity	2023	Advances in Botanical Research	108		145	161
1298.	Albaqami F.F., Altharawi A., Althurwi H.N., Alharthy K.M., Qasim M.,	Computational Modeling and Evaluation of Potential mRNA and Peptide-	2023	BioMed Research International	2023			

	Muhseen Z.T., Tahir Ul Qamar M.	Based Vaccine against Marburg Virus (MARV) to Provide Immune Protection against Hemorrhagic Fever						
1299.	Hamza A., Ijaz M.U., Anwar H.	Rhamnetin alleviates polystyrene microplastics- induced testicular damage by restoring biochemical, steroidogenic, hormonal, apoptotic, inflammatory, spermatogenic and histological profile in male albino rats	2023	Human and Experimental Toxicology	42			
1300.	Ikram M., Shahzadi A., Bilal M., Haider A., Ul-Hamid A., Nabgan W., Haider J., Ali S., Imran M.	Strontium-doped chromium oxide for RhB reduction and antibacterial activity with evidence of molecular docking analysis	2023	Frontiers in Chemistry	11			
1301.	Tahir S., Zafar S., Ashraf M.Y.,	EVALUATION OF DROUGHT	2023	Pakistan Journal of Botany	55	3	843	849

	Perveen S., Mahmood S.	TOLERANCE IN MAIZE (ZEA MAYS L.) USING PHYSIOLOGICAL INDICES						
1302.	Amher T., Noshccn S., Kamran R., Kiran S., Yousaf M.I., Sharifi N., Riaz S.	GC-MS and Spectrophotomet ric Analysis of Degradation of Commercial Textile Dye Reactive Black CNN by Advance Oxidation Processes	2023	Pakistan Journal of Scientific and Industrial Research Series A: Physical Sciences	66	1	16	22
1303.	Muhsan M.A., Zahoor A.F.	Reclamation of mineral acids from various waste streams using solvent extraction technique: a review	2023	Geosystem Engineering	26	5	218	238
1304.	Nasreen H., Adeel S., Yameen M., Amin N., Ozomay M., Qayyum M.A.	Green Application of Ultrasonic Waves for Extraction of Yellow Colorant from Haar Singhar and its Colouring Behaviour in Cotton Dyeing	2023	Textile and Leather Review	6		18	36
1305.	Saleem A., Hameed	Exploration of	2023	Frontiers in Pharmacology	14			

	I., Akhtar M.F., Ashraf G.M., Alghamdi B.S., Rahman M.H., Almashjary M.N.	acute and chronic anti- inflammatory potential of Quercus leucotrichophora A. Camus extracts in Wistar rats: A mechanistic insight						
1306.	Ahmed W., Zaman Q.U., Mehmood F., Abbasi A., Ashraf K., Fatima K., Nazir S., Komal N., Waqas M.	THE POTENTIAL OF COMMERCIAL COMPOSTS IN REDUCING HEAVY METALS AND METALLOIDS PHYTOACCUMUL ATION IN MAIZE	2023	Pakistan Journal of Botany	55	2	679	687
1307.	Singh S.K., Mazaheri M., Peng J.-X., Sohail A., Khalid M., Asjad M.	Enhanced weak force sensing based on atom- based coherent quantum noise cancellation in a hybrid cavity optomechanical system	2023	Frontiers in Physics	11			
1308.	Razzaq M., Akram N.A., Ali S., Ashraf M.	INDUCTION OF CHROMIUM (CR) STRESS TOLERANCE IN MAIZE BY FOLIAR APPLIED VANILLIC	2023	Pakistan Journal of Botany	55	2	419	428

		ACID: GROWTH, GAS EXCHANGE CHARACTERISTIC S AND ANTIOXIDANTS						
1309.	Hussain S.S., Rasheed M., Saleem M.H., Ahmed Z.I., Hafeez A., Jilani G., Alamri S., Hashem M., Ali S.	SALT TOLERANCE IN MAIZE WITH MELATONIN PRIMING TO ACHIEVE SUSTAINABILITY IN YIELD IN SALT AFFECTED SOILS	2023	Pakistan Journal of Botany	55	1	19	35
1310.	Rafiq A., Aslam S., Ahmad M., Nazir M.S., Farooq A., Sultan S.	Recent synthetic approaches towards thienothiophenes : a potential template for biologically active compounds	2023	Molecular Diversity				
1311.	Mehdi S., Mehmood M.H., Ahmed M.G., Ashfaq U.A.	Antidiabetic activity of Berberis brandisiana is possibly mediated through modulation of insulin signaling pathway, inflammatory cytokines and adipocytokines in	2023	Frontiers in Pharmacology	14			

		high fat diet and streptozotocin-administered rats						
1312.	Haider I., Riaz M., Ali S., Ali Q., Noman A., Hussain D., Nadeem I., Akhtar M.F., Abbas A., Aslam A., Mustafa H.S.B., Hassan E.U., Zubair M., Saleem M., Malik M.K.	Efficacy of Different Insecticides Alone and in Combination with Salicylic Acid against Cotton Whitefly Bemisia tabaci Gennadius (Homoptera: Aleyrodidae)	2023	Pakistan Journal of Agricultural Research	36	1	58	62
1313.	Rasool A., Azeem F., Ur-Rahman M., Rizwan M., Hussnain Siddique M., Bay D.H., Binothman N., Al Kashgry N.A.T., Qari S.H.	Omics-assisted characterization of two-component system genes from Gossypium Raimondii in response to salinity and molecular interaction with abscisic acid	2023	Frontiers in Plant Science	14			
1314.	Mehmood N., Hussain T., Hameed A., Yaseen A., Ahmed A., Hussain M., Al Jbawi E.	Prospective effect of vitamin E and selenium supplementation on colostrum quality in Beetal goats	2023	Cogent Food and Agriculture	9	1		
1315.	Akram R., Anwar	Natural	2023	International Journal of Food Properties	26	1	894	914

	H., Javed M.S., Imran A., Rasul A., Malik S.A., Manzoor M., Islam F., Khan I.U., Sajid F., Iman T., Shah M.A., Sun T., Hussain G., Shah M.A.	molecules as promising players against diabetic peripheral neuropathy: an emerging nutraceutical approach						
1316.	Senturk K., Sen T., Coruhlu T., Shahzad A., Aslan N.	Obtaining plasma parameters by Langmuir probes and optical emission spectroscopy in low-pressure DC plasma	2023	Radiation Effects and Defects in Solids	178	45481	912	928
1317.	Hussain M., Sharif H., Khadimallah M.A., Mouldi A., Loukil H., Ali M.R., Tounsi A.	Shooting method applied to porous rotating disk: Darcy-Forchheimer flow of nanofluid	2023	Advances in Nano Research	14	3	295	302
1318.	Sheikh M.F., Bhutta A.I., Parveen T.	Herding or reverse herding: the reaction to change in investor sentiment in the Chinese and Pakistani markets	2023	International Journal of Emerging Markets				
1319.	Ahmed M.G., Mehmood M.H., Mehdi S., Farrukh	Caryopteris odorata and its metabolite	2023	Frontiers in Pharmacology	14			

	M.	coumarin attenuate characteristic features of cardiometabolic syndrome in high-refined carbohydrate-high fat-cholesterol-loaded feed-fed diet rats						
1320.	Waqas M., Ali Z., Hussain A., Waqas M.	Design and Development of Die Sink Electrical Discharge Machine for Melting Point and Removal Rate of Materials	2023	2023 International Multi-Disciplinary Conference in Emerging Research Trends, IMCERT 2023				
1321.	Rashid S., Noor M.A., Noor K.I.	Caputo fractional derivatives and inequalities via preinvex stochastic processes	2023	Filomat	37	19	6569	6584
1322.	Ghandourah E., Hussain M., Khadimallah M.A., Alazwari M., Ali M.R., Hefni M.A.	Validity assessment of aspect ratios based on Timoshenko-beam model: Structural design	2023	Computers and Concrete	31	1	1	7
1323.	Wang J., Hu H.,	High-quality	2023	Frontiers in Plant Science	14			

	Liang X., Tahir ul Qamar M., Zhang Y., Zhao J., Ren H., Yan X., Ding B., Guo J.	genome assembly and comparative genomic profiling of yellowhorn (Xanthoceras sorbifolia) revealed environmental adaptation footprints and seed oil contents variations						
1324.	Jiddah J.A., Shagari M.S., Noorwali M., Kanwal S., Aydi H., De La Sen M.	Fixed point results of Jaggiâ€“Suzuki-type hybrid contractions with applications	2023	Journal of Inequalities and Applications	2023	1		
1325.	Khalid A., Naeem M.N., Jamal N., Askar S., Ahmad H.	Adomian decomposition method for solution of fourteenth order boundary value problems	2023	Open Physics	21	1		
1326.	Chu Y., Rashid S., Kubra K.T., Inc M., Hammouch Z., Osman M.S.	Analysis and Numerical Computations of the Multi-Dimensional, Time-Fractional Model of Navier-Stokes Equation	2023	CMES - Computer Modeling in Engineering and Sciences	136	3	3025	3060

		with a New Integral Transformation						
1327.	Rehman K., Afzaal A., Akash M.S.H., Imran M., Assiri M.A.	Interleukin-1 receptor antagonist: From synthesis to therapeutic applications	2023	Biocell	47	4	809	823
1328.	Tianyi Y., Farooq A., Mohiuddin M., Farooq A., Gonzalez N.C.T., Abbasi A., Hina A., Irshad M.	Role of different organic and inorganic amendments in the biofortification of iodine in Coriandrum sativum crop	2023	Frontiers in Ecology and Evolution	11			
1329.	Mushtaq Z., Aslam M., Imran M., Abdelgawad M.A., Saeed F., Khursheed T., Umar M., Abdulmonem W.A., Ghorab A.H.A., Alsagaby S.A., Tufail T., Raza M.A., Hussain M., Al JBawi E.	Polymethoxyflavones: an updated review on pharmacological properties and underlying molecular mechanisms	2023	International Journal of Food Properties	26	1	866	893
1330.	Sadaat S., Arshad M.U., Imran A., Afzaal M., Shah M.A.	Development and characterization of micronutrient fortified	2023	Cogent Food and Agriculture	9	1		

		sandwich biscuits with respect to nutritional composition and sensorial attributes to address malnutrition in school going children						
1331.	Latif A., Sun Y., Noman A.	Herbaceous Alfalfa plant as a multipurpose crop and predominant forage specie in Pakistan	2023	Frontiers in Sustainable Food Systems	7			
1332.	Usman M., Khadka S., Saleem M., Rasheed H., Kunwar B., Ali M.	Pharmacometrics : A New Era of Pharmacotherapy and Drug Development in Low- and Middle-Income Countries	2023	Advances in Pharmacological and Pharmaceutical Sciences	2023			
1333.	Zhang H., Yuan Y., Xing H., Xin M., Saeed M., Wu Q., Wu J., Zhuang T., Zhang X., Mao L., Sun X., Song X., Wang Z.	Genome-wide identification and expression analysis of the HVA22 gene family in cotton and functional analysis of GhHVA22E1D in drought and salt	2023	Frontiers in Plant Science	14			

		tolerance						
1334.	Hosseinnezhad M., Gharanjig K., Imani H., Rouhani S., Adeel S.	Environmentally Dyeing of Wool Yarns Using of Combination of Myrobalan and Walnut Husk as Bio-mordants	2023	Progress in Color, Colorants and Coatings	16	2	197	205
1335.	Ahmad A., Mahmood N., Hussain M., Aiman U., Al-Mijalli S.H., Raza M.A., Al Jbawi E.	Improvement in oxidative stability and quality characteristics of functional chicken meat product supplemented with aqueous coriander extract	2023	International Journal of Food Properties	26	1	855	865
1336.	Saleem M., Tahir A., Ahmed M., Khan A., Burak L.C., Hussain S., Song L.	Development of functional yogurt by using freeze- drying on soybean and mung bean peel powders	2023	Frontiers in Sustainable Food Systems	7			
1337.	Qurashi S.M., Tawfiq F., Xin Q., Kanwal R.S., Gilani K.Z.	Different characterization of soft substructures in quantale modules dependent on soft relations and their	2023	AIMS Mathematics	8	5	1168 4	11708

		approximations						
1338.	Samad A., Shaukat K., Ansari M.-U.-R., Nizar M., Zahra N., Naz A., Iqbal H.M.W., Raza A., Pesic V., Djalovic I.	Role of foliar spray of plant growth regulators in improving photosynthetic pigments and metabolites in <i>Plantago ovata</i> (Psyllium) under salt stress-A field appraisal	2023	Biocell	47	3	523	532
1339.	Tahir H., Munir N., Iqbal S.S., Bacha U., Amir S., Umar H., Riaz M., Tahir I.M., Ali Shah S.M., Shafiq A., Akram M.	Maternal vitamin D status and attention deficit hyperactivity disorder (ADHD), an under diagnosed risk factor; A review	2023	European Journal of Inflammation	21			
1340.	Kausar A., Zahra N., Zahra H., Hafeez M.B., Zafer S., Shahzadi A., Raza A., Djalovic I., Prasad P.V.V.	Alleviation of drought stress through foliar application of thiamine in two varieties of pea (<i>Pisum sativum</i> L.)	2023	Plant Signaling and Behavior	18	1		
1341.	Rehman F.U., Mahmood H., Nguyen T.T., Binyamin M.A.	Generalization of f -Graphs and Their Algebraic Aspects	2023	Journal of Mathematics	2023			
1342.	Anwar I., Rashid K.,	Molecular	2023	International Journal of Agriculture and	29	2	159	163

	Amin I., Mansoor S., Shaheen S., Kotta-Loizou I., Tariq M., Aslam A., Hussain K.	Characterization of New Begomovirus Complex Infecting Gossypium hirsutum in Sindh Province of Pakistan		Biology				
1343.	Ahmed A., Saleem M.A., Saeed F., Afzaal M., Imran A., Nadeem M., Ambreen S., Imran M., Hussain M., Al Jbawi E.	Gynostemma pentaphyllum an immortal herb with promising therapeutic potential: a comprehensive review on its phytochemistry and pharmacological perspective	2023	International Journal of Food Properties	26	1	808	832
1344.	Nazir M.S., Nawaz A., Aslam S., Ahmad M., Zahoor A.F., Mohsin N.U.A.	Synthetic strategies for thiazolopyridine derivatives	2023	Synthetic Communications	53	45481	519	546
1345.	Mushtaq Z., Imran M., Saeed F., Imran A., Ali S.W., Shahbaz M., Alsagaby S.A., Guerrero SÃ¡nchez Y., Umar M., Hussain M., Al Abdimonem W., Al	Berberine: a comprehensive Approach to combat human maladies	2023	International Journal of Food Properties	26	1	787	807

	Jbawi E., Mahwish, El-Ghorab A.H., Abdelgawad M.A.							
1346.	Zaman Q.U., Sahar A., Sameen A., Ahmad M.H., Muhammad N., Huma N., Afzal M.F., Khalid W., Al-Farga A.	Development and Storage Stability of Whey Sugarcane Based Functional Beverage	2023	International Journal of Food Properties	26	1	752	763
1347.	Khan W.U., Yasin N.A., Ahmad S.R., Nazir A., Naeem K., Nadeem Q.U.A., Nawaz S., Ijaz M., Tahir A.	Burkholderia cepacia CS8 improves phytoremediation potential of Calendula officinalis for tannery solid waste polluted soil	2023	International Journal of Phytoremediation	25	12	1656	1668
1348.	Norshidah H., Leow C.H., Ezleen K.E., Wahab H.A., Vignesh R., Rasul A., Lai N.S.	Assessing the potential of NS2B/NS3 protease inhibitors biomarker in curbing dengue virus infections: In silico vs. In vitro approach	2023	Frontiers in Cellular and Infection Microbiology	13			
1349.	Kanwal S., Ali A., Al Mazrooei A., Santos-Garcia G.	Existence of fuzzy fixed points of set-valued fuzzy mappings in	2023	AIMS Mathematics	8	5	1009 5	10112

		metric and fuzzy metric spaces						
1350.	Kanwal S., Al Mazrooei A., Santos-Garcia G., Gulzar M.	Some fixed point results for fuzzy generalizations of Nadler's contraction in b-metric spaces	2023	AIMS Mathematics	8	5	10177	10195
1351.	Fareed M.M., Ullah S., Qasmi M., Shityakov S.	The Role of Vitamins in DNA Methylation as Dietary Supplements or Nutraceuticals: A Systematic Review	2023	Current Molecular Medicine	23	10	1012	1027
1352.	Shahid M., Rehman K., Akash M.S.H., Suhail S., Rasheed S., Imran M., Assiri M.A.	Biochemical association between the prevalence of genetic polymorphism and myocardial infarction	2023	Biocell	47	3	473	484
1353.	Mobeen, Parveen A., Al-Ghamdi A.A., Al-Hemaid F.M., Abdelgawwad M.R.	Screening of sunflower (Helianthus annuus L.) cultivars/hybrids for heat stress tolerance using growth and physiobiochemical indicators	2023	Turkish Journal of Agriculture and Forestry	47	1	43	56

1354.	Asma, Hussain I., Ashraf M.Y., Saleem M.H., Ashraf M.A., Ali B., Shereen A., Farid G., Ali M., Shirazi M.U., Saleem A., Mostafa Y.S., Hashem M., Yasin G.	Alleviating effects of salicylic acid spray on stage- based growth and antioxidative defense system in two drought- stressed rice (Oryza sativa L.) cultivars	2023	Turkish Journal of Agriculture and Forestry	47	1	79	99
1355.	Altharawi A., Riadi Y., Tahir ul Qamar M.	An in silico quest for next- generation antimalarial drugs by targeting Plasmodium falciparum hexose transporter protein: a multi- pronged approach	2023	Journal of Biomolecular Structure and Dynamics	41	23	1445 0	14459
1356.	Bhutta A.I., Sultan J., Sheikh M.F., Sajid M., Mushtaq R.	The performance of business groups during institutional transition and economic downturn in a developing country	2023	International Journal of Emerging Markets				
1357.	Saeed F., Afzaal M., Khalid A., Shah	Role of mycoprotein as a	2023	International Journal of Food Properties	26	1	683	695

	Y.A., Ateeq H., Islam F., Akram N., Ejaz A., Nayik G.A., Shah M.A.	non-meat protein in food security and sustainability: a review						
1358.	Ullah H., Raziq A., Gul A., Ullah A., Saeed J., Iqbal N., Sultan I.N., Tareen A.K., Hussain S., Khan M.W.	Current pandemic COVID- 19 vaccine strategies and development: a comprehensive review [Estrategias y desarrollo actuales de la vacuna contra la pandemia de COVID-19: una revisión exhaustiva]	2023	VacciMonitor	32			
1359.	Rasheed A., Parveen S., Afzaal M., Niaz B., Saeed F., Hussain M., Yasmin A., Qamar A., Ateeq H., Raza M.A., Al Jbawi E.	Exploring biochemical profile, antioxidant activity and structural properties of Bulgur prepared from traditional and autoclave methods	2023	International Journal of Food Properties	26	1	274	289
1360.	Adnan A., Nadeem M., Ahmad M.H., Tayyab M., Kamran	Effect of lactoferrin supplementation	2023	International Journal of Food Properties	26	1	437	452

	Khan M., Imran M., Iqbal A., Rahim M.A., Awuchi C.G.	on composition, fatty acids composition, lipolysis and sensory characteristics of cheddar cheese						
1361.	Iqra, Sughra K., Ali A., Afzal F., Yousaf M.J., Khalid W., Faizul Rasul H., Aziz Z., Aqlan F.M., Al-Farga A., Arshad A.	Wheat-based gluten and its association with pathogenesis of celiac disease: a review	2023	International Journal of Food Properties	26	1	511	525
1362.	Khalid W., Iqra, Afzal F., Rahim M.A., Abdul Rehman A., Faiz ul Rasul H., Arshad M.S., Ambreen S., Zubair M., Safdar S., Al-Farga A., Refai M.	Industrial applications of kale (Brassica oleracea var. sabellica) as a functional ingredient: a review	2023	International Journal of Food Properties	26	1	489	501
1363.	Waliat S., Arshad M.S., Hanif H., Ejaz A., Khalid W., Kauser S., Al-Farga A.	A review on bioactive compounds in sprouts: extraction techniques, food application and health functionality	2023	International Journal of Food Properties	26	1	647	665
1364.	Urooj H., Javed T., Taj M.B., Nouman Haider M.	Adsorption of crystal violet dye from wastewater	2023	International Journal of Environmental Analytical Chemistry				

		on Phyllanthus emblica fruit (PEF) powder: kinetic and thermodynamic						
1365.	Yasri S., Wiwanitkit V.	Bat-Like Rotavirus Strain: Expected Epidemiology Based on the Adjustment for False Negativity for PCR Test	2023	Clinical Laboratory	69	2	434	435
1366.	Chu H.-H., Saeed M.R., Rashid J., Mehmood M.T., Ahmad I., Iqbal R.S., Ali G.	Deep Learning Method to Detect the Road Cracks and Potholes for Smart Cities	2023	Computers, Materials and Continua	75	1	1863	1881
1367.	Amjad S., Shaukat S., Rahman H.M.A.U., Usman M., Farooqi Z.H., Nazar M.F.	Application of anionic-nonionic mixed micellar system for solubilization of methylene blue dye	2023	Journal of Molecular Liquids	369			
1368.	Mustafa G.M., Saba S., Noor N.A., Laref A., El-Rahman M.A., Farooq Z., Behram R.B., Ullah Z.	First-principles calculations to investigate HgY ₂ S/Se ₄ spinel chalcogenides for optoelectronic and thermoelectric applications	2023	Journal of Materials Research and Technology	22		97	106

1369.	Kanwal S., Farooq Y., Siddiqui M.K., Idrees N., Razzaque A., Petros F.B.	Study the Behavior of Drug Structures via Chemical Invariants Using TOPSIS and SAW	2023	Computational and Mathematical Methods in Medicine	2023			
1370.	Basharat M., Ahmad N., Un Nisa M., Ahmed A.	Biofortificatin of hen eggs with natural and synthetic apo-ester and canthanxanthin and its physiochemical evaluation for quality parameters	2023	Food Science and Technology (Brazil)	43			
1371.	Basharat Z., Afzaal M., Saeed F., Islam F., Hussain M., Ikram A., Pervaiz M.U., Awuchi C.G.	Nutritional and functional profile of carob bean (Ceratonia siliqua): a comprehensive review	2023	International Journal of Food Properties	26	1	389	413
1372.	Ali H.T., Amin N., Akhtar M., Arshad M.I., Athar M.K., Morley N.A., Yusaf M., Latif Z., Mehmood K.	Synthesis and characterizations of nickel doped Co-Zn-Y ferrites	2023	Journal of Ovonic Research	19	1	65	72
1373.	Amin N., Song H., Shabbir M.S., Farrukh M.U., Haq I.-U.	Moving towards a sustainable environment: do disaggregated	2023	International Journal of Sustainable Development and World Ecology	30	5	515	532

		energy consumption, natural resources, financial development and economic globalization really matter?						
1374.	Sultan M.T., Anwar M.J., Imran M., Khalil I., Saeed F., Neelum S., Alsagaby S.A., Al Abdulmonem W., Abdelgawad M.A., Hussain M., El-Ghorab A.H., Umar M., Al Jbawi E.	Phytochemical profile and pro-healthy properties of Terminalia chebula: A comprehensive review	2023	International Journal of Food Properties	26	1	526	551
1375.	Usman I., Afzaal M., Imran A., Saeed F., Afzal A., Ashfaq I., Shah Y.A., Islam F., Azam I., Tariq I., Ateeq H., Asghar A., Farooq R., Rasheed A., Asif Shah M.	Recent updates and perspectives of plasma in food processing: a review	2023	International Journal of Food Properties	26	1	552	566
1376.	Rasool M.F., ur Rehman A., Khan I., Latif M., Ahmad I., Shakeel S., Sadiq M., Hayat K., Shah S., Ashraf W.,	Assessment of risk factors associated with potential drug-drug interactions among patients	2023	PLoS ONE	18	45292		

	Majeed A., Hussain I., Hussain R.	suffering from chronic disorders						
1377.	Muzammil S., Neves Cruz J., Mumtaz R., Rasul I., Hayat S., Khan M.A., Khan A.M., Ijaz M.U., Lima R.R., Zubair M.	Effects of Drying Temperature and Solvents on In Vitro Diabetic Wound Healing Potential of Moringa oleifera Leaf Extracts	2023	Molecules	28	2		
1378.	Asif M., Anayat M., Tariq F., Noureen T., Din G.N.U., Becker C., Becker K., Thiele H., Makhdoom E.U.H., Shaiq P.A., Baig S.M., Nørnberg P., Hussain M.S., Raja G.K., Abdullah U.	Whole-Exome Sequencing of Pakistani Consanguineous Families Identified Pathogenic Variants in Genes of Intellectual Disability	2023	Genes	14	1		
1379.	Fan B., Zhao H., Kamran H.W., Tahir S.H.	Environmental sustainability targets: the role of green investment, ICT development, and economic growth	2023	Economic Research-Ekonomska Istrazivanja	36	3		
1380.	Noor M.A., Noor K.I., Iftikhar S., Awan M.U.	On harmonic convex functions of three variables and related Hermite-	2023	Filomat	37	2	335	347

		Hadamard inequalities						
1381.	Khan G.B., Qasim M., Rasul A., Ashfaq U.A., Alnuqaydan A.M.	Identification of Lignan Compounds as New 6-Phosphogluconate Dehydrogenase Inhibitors for Lung Cancer	2023	Metabolites	13	1		
1382.	Shafique B., Ranjha M.M.A.N., Murtaza M.A., Walayat N., Nawaz A., Khalid W., Mahmood S., Nadeem M., Manzoor M.F., Ameer K., Aadil R.M., Ibrahim S.A.	Recent Trends and Applications of Nanoencapsulated Bacteriocins against Microbes in Food Quality and Safety	2023	Microorganisms	11	1		
1383.	Silva J.F.D., Lima C.M.G., da Silva D.L., do Nascimento I.S., Rodrigues S.D.O., Gonçalves L.A., Santana R.F., Khalid W., Verruck S., Emran T.B., de Menezes I.R.A., Coutinho H.D.M., Khandaker M.U., Faruque M.R.I., Fontan R.D.C.I.	Lectin Purification through Affinity Chromatography Exploiting Macroporous Monolithic Adsorbents	2023	Separations	10	1		
1384.	Rasool M.A., Sattar	An Insight into	2023	Catalysts	13	1		

	R., Anum A., Al-Hussain S.A., Ahmad S., Irfan A., Zaki M.E.A.	Carbon Nanomaterial-Based Photocatalytic Water Splitting for Green Hydrogen Production						
1385.	Bano K., Raza M.	Starlikeness associated with limaçon	2023	Filomat	37	3	851	862
1386.	Sikandar S., Zahoor A.F., Ghaffar A., Anjum M.N., Noreen R., Irfan A., Munir B., Kotwica-Mojzych K., Mojzych M.	Unveiling the Chemistry and Synthetic Potential of Catalytic Cycloaddition Reaction of Allenes: A Review	2023	Molecules	28	2		
1387.	Khan R.U., Naz S., De Marzo D., Dimuccio M.M., Bozzo G., Tufarelli V., Losacco C., Ragni M.	Aloe vera: A Sustainable Green Alternative to Exclude Antibiotics in Modern Poultry Production	2023	Antibiotics	12	1		
1388.	Qamar M.U., Aatika, Chughtai M.I., Ejaz H., Mazhari B.B.Z., Maqbool U., Alanazi A., Alruwaili Y., Junaid K.	Antibiotic-Resistant Bacteria, Antimicrobial Resistance Genes, and Antibiotic Residue in Food	2023	Microorganisms	11	1		

		from Animal Sources: One Health Food Safety Concern						
1389.	Akram N.A., Bashir R., Ashraf G., Bashir S., Ashraf M., Alyemeni M.N., Bajguz A., Ahmad P.	Exogenous α -Tocopherol Regulates the Growth and Metabolism of Eggplant (<i>Solanum melongena</i> L.) under Drought Stress	2023	Plants	12	2		
1390.	Talib A., Fazal-ur-Rehman A., Adeel S., Ali A., Ahmad T., Hussaan M., Qayyum M.A.	Sustainable Isolation and Application of Plant Extract-Based Natural Dye for Bio-Dyeing of Silk Fabric	2023	Coatings	13	1		
1391.	Pervaiz S., Kanwal N., Shahzad A., Saleem M., Khan I.A.	Thermal and Dielectric Behaviour of Polymer-Based Nanocomposites Flexible Sheets as Highly Stable Dielectric Materials	2023	International Journal of Polymer Science	2023			
1392.	Riaz A., Raza M., Binyamin M.A., Saliu A.	The second and third Hankel determinants for	2023	Heliyon	9	1		

		starlike and convex functions associated with Three-Leaf function						
1393.	Alamri M.A., Tariq M.H., Tahir ul Qamar M., Alabbas A.B., Alqahtani S.M., Ahmad S.	Discovery of potential phytochemicals as inhibitors of TcdB, a major virulence factors of Clostridioides difficile	2023	Journal of Biomolecular Structure and Dynamics	41	22	12768	12776
1394.	Shahzad A., Khan I.A., Manzoor A., Kashif M., Ahsan M., He M., Razzokov J.	Synthesis of nickel nanowires (Ni-NWs) as high ferromagnetic material by electrodeposition technique	2023	Heliyon	9	1		
1395.	Tariq R., Zeib F.	Political empowerment among young voters: Social media, partisanship and the moderating role of political interest [Empoderamiento político entre jóvenes votantes: Redes sociales,	2023	Comunicar	30	74	95	106

		partidismo y papel moderador del interÃ©s polÃ-tico]						
1396.	Khan M.T.I., Anwar S., Sarkodie S.A., Yaseen M.R., Nadeem A.M.	Do natural disasters affect economic growth? The role of human capital, foreign direct investment, and infrastructure dynamics	2023	Heliyon	9	1		
1397.	Shaheen A., Imran M., Waqas H., Raza M., Rashid S.	Thermal transport analysis of squeezing hybrid nanofluid flow between two parallel plates	2023	Advances in Mechanical Engineering	15	1		
1398.	Afzal U., Bilal M., Zubair M., Rasool N., Adnan Ali Shah S., Amiruddin Zakaria Z.	Stereospecific/stereoselective nickel catalyzed reductive cross-coupling: An efficient tool for the synthesis of biological active targeted molecules	2023	Journal of Saudi Chemical Society	27	1		
1399.	Shahzad A., Sohail A., Manzoor A., Ikram M., Loya A., Ur Rehman A.,	Propagation characteristics of longitudinal modes in dusty	2023	Physics of Plasmas	30	1		

	Shakoori M.A.	plasmas						
1400.	Qazi A.A., Ali M., Latif M., Naqvi S.A.A., Jalbani S., Jabeen F., Iqbal R., Farooq Z., Hamidullah, Malik K., Naz A., Hussain S., Iqbal M.A., Hakim A., Tariq N., Kausar T.	The level and distribution of selected organochlorine pesticides in water of River Satluj Pakistan [NÃ-vel e distribuiÃ§Ã£o de pesticidas organoclorados selecionados na Ãgua do Rio Satluj PaquistÃo]	2023	Brazilian Journal of Biology	83			
1401.	Malik F., Iqbal A., Zia S., Ranjha M.M.A.N., Khalid W., Nadeem M., Selim S., Hadidi M., Moreno A., Manzoor M.F., Kowalczewski P., Aadil R.M.	Role and mechanism of fruit waste polyphenols in diabetes management	2023	Open Chemistry	21	1		
1402.	Alanazi A.S., Shah S., Abbas G., Hussain M., Saleem A., Khurram H., Chand U.R., Mallhi T.H., Khan Y.H., Ilyas K., Tariq S., Jamil A., Alzarea A.I., Alzarea S.I.	Assessing Patient Satisfaction with Community Pharmacy Services: A Large Regional Study at Punjab, Pakistan	2023	Patient Preference and Adherence	17		13	22

1403.	Irshad M.A., Humayoun M.A., Al-Hussain S.A., Nawaz R., Arshad M., Irfan A., Zaki M.E.A.	Green and Eco- Friendly Treatment of Textile Wastewater by Using Azadirachta indica Leaf Extract Combined with a Silver Nitrate Solution	2023	Sustainability (Switzerland)	15	1		
1404.	Mungmunpuntipan tip R., Wiwanitkit V.	Letter to the Editor: Unintended Consequences of Hybrid Work from Home Clinical Academic Environment	2023	Journal of Palliative Medicine	26	1	7	
1405.	Rasheed A., Hussain S., Mushtaq W., Zubair M., Siddique K., Attia K., Khan N., Fiaz S., Azeem F., Chen Y.	Application of silver nanoparticles synthesized through varying biogenic and chemical methods for wastewater treatment and health aspects	2023	Environmental Science and Pollution Research				
1406.	Saleem M., Albaqami M.D., Bahajjaj A.A.A., Ahmed F., Din E., Arifeen W.U., Ali S.	Wet-Chemical Synthesis of TiO ₂ /PVDF Membrane for Energy	2023	Molecules	28	1		

		Applications						
1407.	Muqheet H.A., Liaqat R., Jamil M., Khan A.A.	A State-of-the-Art Review of Smart Energy Systems and Their Management in a Smart Grid Environment	2023	Energies	16	1		
1408.	Mahmood H., Asif M., Khalid S.H., Khan I.U., Chauhdary Z., Abdul Razzaq F., Asghar S.	Design of a multifunctional carrageenan- tannic acid wound dressing co-loaded with simvastatin and geranium oil	2023	Journal of Drug Delivery Science and Technology	79			
1409.	Iqbal A., Yusaf A., Usman M., Hussain Bokhari T., Mansha A.	Insight into the degradation of different classes of dyes by advanced oxidation processes; a detailed review	2023	International Journal of Environmental Analytical Chemistry				
1410.	Sookaromdee P., Wiwanitkit V., Patil D.Y.	Polymorphisms and Severity of COVID-19	2023	American Journal of Respiratory and Critical Care Medicine	207	1	112	
1411.	Ayub N., Talib M.R., Hanif M.K., Awais M.	Aspect Extraction Approach for Sentiment Analysis Using Keywords	2023	Computers, Materials and Continua	74	3	6879	6892
1412.	Nawaz R., Ashraf A., Nasim I., Irshad	Assessing the Status of Air	2023	Pollution	9	1	381	391

	M.A., Zaman Q.U., Latif M.	Pollution in the selected Cities of Pakistan						
1413.	Iqbal M.J., Iqbal M.W., Anwar M., Khan M.M., Nazimi A.J., Ahmad M.N.	Brain Tumor Segmentation in Multimodal MRI Using U-Net Layered Structure	2023	Computers, Materials and Continua	74	3	5267	5281
1414.	Akram U., Sahar A., Sameen A., Muhammad N., Ahmad M.H., Khan M.I., Usman M., Rahman H.U.U.	Use of Fourier transform infrared spectroscopy and multi-variant analysis for detection of butter adulteration with vegetable oil	2023	International Journal of Food Properties	26	1	167	178
1415.	Mungmunpuntipan tip R., Wiwanitkit V.	COVID-19 Vaccines for Children with Developmental Disabilities: Correspondence	2023	Journal of Developmental and Behavioral Pediatrics	44	1	E70	E71
1416.	Shakoori M.A., He M., Shahzad A., Khan M.	Tuning the structure and transport properties of complex plasmas using electric field	2023	Physica Scripta	98	1		
1417.	Zahid I., Farhan M., Farooq M., Asim M., Imran M.	Experimental investigation for thermal	2023	Case Studies in Thermal Engineering	41			

		performance enhancement of various heat sinks using Al ₂ O ₃ NePCM for cooling of electronic devices						
1418.	Ataei M., Roufogalis B.D., Majeed M., Shah M.A., Sahebkar A.	Curcumin Nanofibers: A Novel Approach to Enhance the Anticancer Potential and Bioavailability of Curcuminoids	2023	Current Medicinal Chemistry	30	3	286	303
1419.	Khalid W., Arshad M.S., Aziz A., Rahim M., Qaisrani T.B., Afzal F., Ali A., Ranjha M.M.A.N., Khalid M.Z., Anjum F.	Chia seeds (<i>Salvia hispanica</i> L.): A therapeutic weapon in metabolic disorders	2023	Food Science and Nutrition	11	1	3	16
1420.	Arshad A., Khan I.U., Ali M., Arshad F., Riaz A., Bhutta Z.A., Ashar A.	Probing the Synergistic Effect of Antibacterial Drug and Oleic Acid in Lipid-based Gastroretentive Matrices by Melt Molding Method	2023	Current Drug Delivery	20	1	89	97
1421.	Iqbal M.S., Nazir M.S., Ali Z., Iftikhar R., Hussain M.,	Reduced graphene oxide coated poly-	2023	Polymer-Plastics Technology and Materials	62	6	790	799

	Imran S.M.	methyl methacrylate beads based thermoplastic polyurethane nanocomposites for gas sensing applications						
1422.	Ullah A., Ullah Khan S., Haq M.U., Ahmad S., Irfan M., Asif M., Muhseen Z.T., Alkeraidees M.S., Allemailem K.S., Alrumaihi F., Almatroudi A.	Computational study to investigate Proteus mirabilis proteomes for multi-epitope vaccine construct design	2023	Journal of Biomolecular Structure and Dynamics	41	19	10190	10201
1423.	Al-Qurashi M., Sultana S., Karim S., Rashid S., Jarad F., Alharthi M.S.	Identification of numerical solutions of a fractal-fractional divorce epidemic model of nonlinear systems via anti-divorce counseling	2023	AIMS Mathematics	8	3	5233	5265
1424.	Sharif A., Althobaiti T., Alotaibi A.A., Ramzan N., Imran M.A., Abbasi Q.H.	Inkjet-Printed UHF RFID Sticker for Traceability and Spoilage Sensing of Fruits	2023	IEEE Sensors Journal	23	1	733	740
1425.	Waqas H., Farooq U., Hassan A., Liu D., Noreen S.,	Numerical and Computational simulation of	2023	Results in Physics	44			

	Makki R., Imran M., Ali M.R.	blood flow on hybrid nanofluid with heat transfer through a stenotic artery: Silver and gold nanoparticles						
1426.	Khan F.S.	Liminality, border zones, and fractured identities: a postcolonial study of N. Scott Momaday's Three Plays	2023	New Writing	20	3	317	329
1427.	Mushtaq S., Tahir S., Ashfaq A., Sebastian Bonilla R., Haneef M., Saeed R., Ahmad W., Amin N.	Performance optimization of lead-free MASnBr3 based perovskite solar cells by SCAPS-1D device simulation	2023	Solar Energy	249		401	413
1428.	Aqeel M., Khalid N., Nazir A., Irshad M.K., Hakami O., Basahi M.A., Alamri S., Hashem M., Noman A.	Foliar application of silver nanoparticles mitigated nutritional and biochemical perturbations in chilli pepper fertigated with domestic wastewater	2023	Plant Physiology and Biochemistry	194		470	479
1429.	Khan R.U., Khan A.,	Tomato Pomace	2023	Annals of Animal Science	23	1	39	51

	Muhammad M.D., Naz S.	Waste as Safe Feed Additive for Poultry Health and Production - A Review						
1430.	Tahir M.Y., Sillanpaa M., Almutairi T.M., Mohammed A.A.A., Ali S.	Excellent photocatalytic and antibacterial activities of bio- activated carbon decorated magnesium oxide nanoparticles	2023	Chemosphere	312			
1431.	Akhlaq M., Farooq M.U., Ali S.W., Amir M., Siddique F., Javed M.A., Afzal M.I., Umer M., Mujtaba A., Iqbal M., Ahmad M., Awais M., Murtaza A., Imran M., Riaz M., Ahmed A., Amir R.M., Munir M.M.	Characterization of quinoa-wheat flour blend for the preparation of dry cake	2023	Food Science and Technology (Brazil)	43			
1432.	Qazi A.A., Ali M., Jabeen F., Iqbal R., Iqbal M.A., Latif M., Farooq Z., Kausar T., Naz A., Naqvi S.A.A., Hussain S., Mahmood M.T., Malik K., Hakim A.,	Presence of selected organochlorine pesticides (OCPs) in sediments and biota of River Satluj, Pakistan: first report [PresenÃ§a de	2023	Brazilian Journal of Biology	83			

	Ullah H., Tariq N., Jalbani S.	pesticidas organoclorados seleccionados (OCPs) em sedimentos e biota do Rio Satluj, Paquistão: primeiro relatório]						
1433.	Hou E., Nazir U., Naz S., Sohail M., Nadeem M., Lee J.R., Park C., Galal A.M.	Novel Analysis of Two Kinds Hybrid Models in Ferro Martial Inserting Variable Lorentz Force Past a Heated Disk: An Implementation of Finite Element Method	2023	CMES - Computer Modeling in Engineering and Sciences	135	2	1393	1411
1434.	Rashid S., Jarad F.	Stochastic dynamics of the fractal-fractional Ebola epidemic model combining a fear and environmental spreading mechanism	2023	AIMS Mathematics	8	2	3634	3675
1435.	Asim S., Mansha A., Aslam S., Shahzad A.	Study of Interactions Between 3- benzoyl-4- hydroxy-2-	2023	Journal of Fluorescence	33	1	311	326

		methyl-2H-1, 2-benzothiazine and Human DNA by Theoretical, Spectroscopic and Viscometric measurements						
1436.	Albert J., Janabi B.A., Granell J., Hashemi M.S., Sainz D., Khosa M.K., Calvis C., Messeguer R., Baldomà L., Badia J., Font-Bardia M.	Synthesis and biological properties of palladium(II) cyclometallated compounds derived from (E)-2-((4-hydroxybenzylidene)amino)phenol	2023	Journal of Organometallic Chemistry	983			
1437.	Gallareta-Olivares G., Rivas-Sanchez A., Cruz-Cruz A., Hussain S.M., González-González R.B., Cárdenas-Alcaide M.F., Iqbal H.M.N., Parra-Saldívar R.	Metal-doped carbon dots as robust nanomaterials for the monitoring and degradation of water pollutants	2023	Chemosphere	312			
1438.	Abbas Y., Yun S., Mehmood A., Shah F.A., Wang K., Eldin E.T., Al-Qahtani W.H., Ali S., Bocchetta P.	Co-digestion of cow manure and food waste for biogas enhancement and nutrients revival in bio-circular economy	2023	Chemosphere	311			

1439.	Zhuang T., Xin M., Wang Q., Wang Y., Saeed M., Xing H., Zhang H., Zhang Y., Deng Y., Zhang G., Hu D., Wei L., Cui M., Shang Y., Guo Q., Li C., Liu Z., Song X., Sun X., Du X.	Determination of protein and fatty acid composition of shell-intact upland cottonseed using near-infrared reflectance spectroscopy	2023	Industrial Crops and Products	191			
1440.	Nonlaopon K., Khan A.G., Noor M.A., Awan M.U.	A study of Wiener-Hopf dynamical systems for variational inequalities in the setting of fractional calculus	2023	AIMS Mathematics	8	2	2659	2672
1441.	Raza A., Chohan T.A., Buabeid M., Arafa E.-S.A., Chohan T.A., Fatima B., Sultana K., Ullah M.S., Murtaza G.	Deep learning in drug discovery: a futuristic modality to materialize the large datasets for cheminformatics	2023	Journal of Biomolecular Structure and Dynamics	41	18	9177	9192
1442.	Adeel S., Azeem M., Habib N., Hussaan M., Kiran A., Haji A., Haddar W.	Sustainable Application of Microwave Assisted Extracted Tea Based Tannin Natural Dye for Chemical and	2023	Journal of Natural Fibers	20	1		

		Bio-Mordanted Wool Fabric						
1443.	Ikram M., Haider A., Naz S., Bari M.A., Haider J., Ul-Hamid A., Nabgan W., Imran M., Nazir G., Ali S.	Chitosan and carbon nitride doped barium hydroxide nanoparticles served as dye degrader and bactericidal potential: A molecular docking study	2023	International Journal of Biological Macromolecules	224		938	949
1444.	Qurashi M.A., Rashid S., Alshehri A.M., Jarad F., Safdar F.	New numerical dynamics of the fractional monkeypox virus model transmission pertaining to nonsingular kernels	2023	Mathematical Biosciences and Engineering	20	1	402	436
1445.	Zara L., Hussain R., Masoud M.S., Naseem N., Ahmad H.U., Ashfaq U.A., Khaliq S.	Dysregulation of gene expression of PTEN and AKT signaling pathway in patients of ovarian cancer: A pilot study	2023	Journal of King Saud University - Science	35	1		
1446.	Noor A.E., Nisa Z.U., Sultana S., Al-Ghanim K.A., Al-Misned F., Riaz M.N., Ahmed Z.,	Heavy metals toxicity in spinach (Spinacia oleracea) irrigated with	2023	Journal of King Saud University - Science	35	1		

	Mahboob S.	sanitary wastewater in rural areas						
1447.	Iftikhar M., Noureen A., Jabeen F., Uzair M., Rehman N., Sher E.K., Katubi K.M., Amãrico-Pinheiro J.H.P., Sher F.	Bioinspired engineered nickel nanoparticles with multifunctional attributes for reproductive toxicity	2023	Chemosphere	311			
1448.	Bin-Mohsin B., Awan M.U., Javed M.Z., Talib S., Budak H., Noor M.A., Noor K.I.	On some classical integral inequalities in the setting of new post quantum integrals	2023	AIMS Mathematics	8	1	1955	2017
1449.	Ahmad M., Ali S.W., Hameed A., Amir M., Ashraf J., Afzal M.I., Umer M., Alsagaby S.A., Awais M., Imran M., Iqbal S., Ahmed A., Riaz M.	Functional potential of Aloe vera juice against CCl4 induced hepatotoxicity in animal model	2023	Food Science and Technology (Brazil)	43			
1450.	Alamri M.A., Ahmad S., Alqahtani S.M., Irfan M., Alabbas A.B., Tahir ul Qamar M.	Screening of marine natural products for potential inhibitors targeting biotin biosynthesis pathway in Mycobacterium	2023	Journal of Biomolecular Structure and Dynamics	41	17	8535	8543

		tuberculosis						
1451.	Sriwijitalai W., Wiwanitkit V.	Reactive synovitis of the knee joint and COVID-19 vaccination: Commentary	2023	International Journal of Rheumatic Diseases	26	1	168	
1452.	Kamran M., Rafique M.Z., Nadeem A.M., Anwar S.	Does Inclusive Growth Contribute Towards Sustainable Development? Evidence from Selected Developing Countries	2023	Social Indicators Research	165	2	409	429
1453.	Akhtar M.N., Khalil A.A., Bilal A., Afzaal M., Tufail T., Saeed R., Siddique R., Nemat A., Manzoor M.F.	Characterization of ultrasonically extracted flaxseed polysaccharide gum and assessing its lipid- lowering potential in a rat model	2023	Food Science and Nutrition	11	1	137	147
1454.	Altındaç C., Sher F., Smjeđanin N., Lima E.C., Rashid T., Hai I.U., Karaduman A.	Synergistic interaction of metal loaded multifactorial nanocatalysts over bifunctional transalkylation for	2023	Environmental Research	216			

		environmental applications						
1455.	Rasheed U., Imran M., ArifKhalil R.M., Ashiq M.N., Mahata C., Hussain F.	Theoretical expolartion of site selective Perovskites for the application of electronic and optoresponsive memory devices	2023	Physica E: Low-Dimensional Systems and Nanostructures	145			
1456.	Usman M., Zia-ur-Rehman M., Rizwan M., Abbas T., Ayub M.A., Naeem A., Alharby H.F., Alabdallah N.M., Alharbi B.M., Qamar M.J., Ali S.	Effect of soil texture and zinc oxide nanoparticles on growth and accumulation of cadmium by wheat: a life cycle study	2023	Environmental Research	216			
1457.	Rehman U.U., Mahmood K., Kamran M.A., Mohammed R.M., Somaily H.H., Ashfaq A., Gul Q., Ali A., Iqbal M.F., Sahar K.U.	Enhanced thermoelectric power generation performance of mixed-phase FeS/FeS2 nanostructures by controlling the reaction time duration	2023	Ceramics International	49	1	512	517
1458.	Rashid S., Ahmad A.G., Jarad F., Alsaadi A.	Nonlinear fractional differential equations and their existence	2023	AIMS Mathematics	8	1	382	403

		via fixed point theory concerning to Hilfer generalized proportional fractional derivative						
1459.	Raza T., Yasin R., Samiullah K., Fazal R.M., Hussain K., Abbas A., Rehman A., Ishaq H.M., Mehmood M.	New collection of fossil remains of pigs (Mammalia: Artiodactyla: Suidae) from the Siwaliks of Pakistan	2023	Historical Biology	35	10	1855	1870
1460.	Anwar T., Qureshi H., Parveen N., Mahmood S., Haider M.Z., Mumtaz S., Nawaz H., Khan S.A., Hafeez A., Tipu M.I., Abd El-Rahim I.H.A., Alhag S.K., Ahmed A.E.	HERBICIDAL EFFECTIVENESS OF WILD POISONOUS PLANT RHAZYA STRICTA USING DIFFERENT MEDIA BY SANDWICH METHOD	2023	Pakistan Journal of Botany	55	2	749	754
1461.	Ullah A., Shahid F.A., Haq M.U., Tahir ul Qamar M., Irfan M., Shaker B., Ahmad S., Alrumaihi F., Allemailem K.S., Almatroudi A.	An integrative reverse vaccinology, immunoinformatic, docking and simulation approaches towards designing of multi-epitopes	2023	Journal of Biomolecular Structure and Dynamics	41	16	7821	7834

		based vaccine against monkeypox virus						
1462.	Lu L., Chen Q., Huang R., Usman A.	Education and its impact on renewable energy demand, carbon intensity, and green growth: do digital financial inclusion and environmental policy stringency matter in China	2023	Environmental Science and Pollution Research	30	5	12020	12028
1463.	Adeel S., Ahmad S., Habib N., Saif M.J., Batool F., Aftab M.	Environmental friendly pollution free bio-dyeing of wool with haar singhar (Coral Jasmine) flower extract	2023	Environmental Science and Pollution Research	30	5	12453	12465
1464.	Sheikh S., Siddique F., Ameer K., Ahmad R.S., Hameed A., Ebad A., Mohamed Ahmed I.A., Shibli S.	Effects of white mulberry powder fortification on antioxidant activity, physicochemical, microbial and sensorial properties of yogurt produced from buffalo milk	2023	Food Science and Nutrition	11	1	204	215
1465.	Shabbir M.U.,	Eco-friendly acid	2023	Environmental Science and Pollution	30	4	9808	9819

	Adeel S., Bokhari T.H., Usman M., Khosa M.K., Ahmad T., Inayat A.	dyeing of silk and wool fabrics using Acid Violet 49 dye		Research				
1466.	Raza M.H., Jabeen F., Ikram S., Zafar S.	Characterization and implication of microplastics on riverine population of the River Ravi, Lahore, Pakistan	2023	Environmental Science and Pollution Research	30	3	6828	6848
1467.	Habib N., Ali A., Adeel S., Fazal-ur-Rehman, Aftab M., Inayat A.	Assessment of wild turmericâ€”based eco-friendly yellow natural bio-colorant for dyeing of wool fabric	2023	Environmental Science and Pollution Research	30	2	4570	4581
1468.	Shahzad A., Imran M., Tahir M., Ali Khan S., AkgÃ¼l A., Abdullaev S., Park C., Zahran H.Y., Yahia I.S.	Brownian motion and thermophoretic diffusion impact on Darcy-Forchheimer flow of bioconvective micropolar nanofluid between double disks with Cattaneo-Christov heat flux	2023	Alexandria Engineering Journal	62		1	15
1469.	Alay-e-Abbas S.M., Abbas G., Zulfiqar	Structure inversion	2023	Nano Research	16	1	1779	1791

	W., Sajjad M., Singh N., Larsson J.A.	asymmetry enhanced electronic structure and electrical transport in 2D A ₃ SnO (A = Ca, Sr, and Ba) anti-perovskite monolayers						
1470.	Hussain M.J., Tian G., Ayaz M., Ashraf A.	CEO Career Horizon and Corporate Social Responsibility Assurance	2023	Revista Espanola de Financiacion y Contabilidad	52	3	384	411
1471.	Nazeer M., Hussain A., Hameed M.K.	Impact of nano metallic particles and magnetic force on multi-phase flow of third-grade fluid in divergent channel: analytical study	2023	International Journal of Modelling and Simulation	43	4	426	437
1472.	Nazeer M., Ramesh K., Farooq H., Shahzad Q.	Impact of gold and silver nanoparticles in highly viscous flows with different body forces	2023	International Journal of Modelling and Simulation	43	4	376	392
1473.	Bukhari A., Javed T., Haider M.N.	Adsorptive exclusion of crystal violet dye	2023	Journal of Dispersion Science and Technology	44	11	2081	2092

		from wastewater by using fish scales as an adsorbent						
1474.	Shah G.A., Sadiq M., Iqbal Z., Shakoor N., Shahid M., Aulakh A.M., Arthur K., Khan N., Ismail I.M.I., Rashid M.I.	Field co-inoculation of Bradyrhizobium sp. and Pseudomonas increases nutrients uptake of Vigna radiata L. from fertilized soil	2023	Journal of Plant Nutrition	46	7	1296	1313
1475.	Sultana S., Bouyahya A., Rebezov M., Shariati M.A., Balahbib A., Khouchlaa A., El Yaagoubi O.M., Khaliq A., Omari N.E., Bakrim S., Zengin G., Akram M., Khayrullin M., Bogonosova I., Mahmud S., Simal-Gandara J.	Impacts of nutritive and bioactive compounds on cancer development and therapy	2023	Critical Reviews in Food Science and Nutrition	63	28	9187	9216
1476.	Noman M., Ahmed T., Ijaz U., Hameed A., Shahid M., Azizullah, Li D., Song F.	Microbe-oriented nanoparticles as phytomedicines for plant health management: An emerging	2023	Critical Reviews in Food Science and Nutrition	63	25	7489	7509

		paradigm to achieve global food security						
1477.	Mahmoudi A., Bachir Bouiadjra R., Benyoucef S., Selim M.M., Tounsi A., Hussain M.	Analytical investigation of wave propagation in bidirectional FG sandwich porous plates lying on an elastic substrate	2023	Waves in Random and Complex Media	33	1	202	224
1478.	Iftikhar A., Nausheen R., Mukhtar I., Iqbal R.K., Raza A., Yasin A., Anwar H.	The regenerative potential of honey: a comprehensive literature review	2023	Journal of Apicultural Research	62	1	97	112
1479.	Usman M., Kousar R., Makhdum M.S.A., Yaseen M.R., Nadeem A.M.	Do financial development, economic growth, energy consumption, and trade openness contribute to increase carbon emission in Pakistan? An insight based on ARDL bound testing approach	2023	Environment, Development and Sustainability	25	1	444	473
1480.	Rashid S., Ashraf R., Hammouch Z.	New generalized fuzzy transform computations for solving fractional	2023	Journal of Ocean Engineering and Science	8	1	55	78

		partial differential equations arising in oceanography						
1481.	Khan R.U., Naz S., Ullah H., Khan N.A., Laudadio V., Ragni M., Piemontese L., Tufarelli V.	Dietary vitamin D: growth, physiological and health consequences in broiler production	2023	Animal Biotechnology	34	4	1635	1641
1482.	Naidu S.A.G., Mustafa G., Clemens R.A., Naidu A.S.	Plant-Derived Natural Non-Nucleoside Analog Inhibitors (NNAIs) against RNA-Dependent RNA Polymerase Complex (nsp7/nsp8/nsp12) of SARS-CoV-2	2023	Journal of Dietary Supplements	20	2	254	283
1483.	Javed Z., Asim M.S., Ishaq A.R., Younis T., Manzoor M., Hussain D., Ejaz M., Saleem U., Asrar M.	Monitoring of Insecticides resistance against cotton Jassid (Amrasca biguttutla biguttutla) under laboratory conditions [Monitoramento da resistência de inseticidas contra o	2023	Brazilian Journal of Biology	83			

		algodão Jassid (Amrasca biguttutla biguttutla) em condições laboratoriais]						
1484.	Irshad S., Sultana H., Usman M., Akram N., Farooqi Z.H., Yusaf A., Nazar M.F.	Solubilization of direct black 2 in mixed micellar media: insights from spectroscopic and conductometric measurements	2023	Journal of Dispersion Science and Technology	44	6	1044	1053
1485.	Ahmed T., Noman M., Rizwan M., Ali S., Shahid M.S., Li B.	Recent progress on the heavy metals ameliorating potential of engineered nanomaterials in rice paddy: a comprehensive outlook on global food safety with nanotoxicity issues	2023	Critical Reviews in Food Science and Nutrition	63	16	2672	2686
1486.	Sadaf T., Javid A., Hussain A., Bukhari S.M., Hussain S.M., Ul Ain Q., Ashraf S., Suleman S., Saleem M., Azam S.M.,	Studies on parasitic prevalence in pet birds from Punjab, Pakistan [Estudos de	2023	Brazilian Journal of Biology	83			

	Ahmad U., Ali W.	prevalência parasitária em pombos de estimação de Punjab, Paquistão]						
1487.	Tabassum S., Hussain S.M., Ali S., Arsalan M.Z.-U.-H., Ahmad B., Asrar M., Sharif A.	Partial replacement of fish meal with Moringa oleifera leaf meal in practical diets of Cirrhinus mrigala fingerlings [Substituição parcial da refeição de peixe com farinha de folha de Moringa oleifera em dietas práticas de dedos Cirrhinus mrigala]	2023	Brazilian Journal of Biology	83			
1488.	Asad F., Ashraf A., Rafique A., Qamer S., Naz S., Ali T., Shaheen Z., Mazhar A.	Chromium supplemented carbohydrate diets for Cirrhinus mrigala: effects on body composition, gut enzyme activity and hematological	2023	Brazilian Journal of Biology	83			

		parameters [Dietas com carboidratos suplementados com cromo para Cirrhinus mrigala: efeitos sobre a composiÃ§Ã£o corporal, atividade enzimÃ¡tica intestinal e parÃ¢metros hematolÃ³gicos]						
1489.	Ijaz M.U., Majeed S.A., Asharaf A., Ali T., Al-Ghanim K.A., Asad F., Zafar S., Ismail M., Samad A., Ahmed Z., Al-Misned F., Riaz M.N., Mahboob S.	Toxicological effects of thimerosal on rat kidney: a histological and biochemical study [Efeitos toxicolÃ³gicos do timerosal no rim de rato: um estudo histolÃ³gico e bioquÃªmico]	2023	Brazilian Journal of Biology	83			
1490.	Ehsan N., Ijaz M.U., Ashraf A., Sarwar S., Samad A., Afzal G., Andleeb R., Al-Misned F.A., Al-Ghanim K.A., Ahmed Z., Riaz	Mitigation of cisplatin induced nephrotoxicity by casticin in male albino rats [MitigaÃ§Ã£o da nefrotoxicidade	2023	Brazilian Journal of Biology	83			

	M.N., Mahboob S.	induzida pela cisplatina pela casticina em ratos albinos machos]						
1491.	Jabeen F., Younis T., Sidra S., Muneer B., Nasreen Z., Saleh F., Mumtaz S., Saeed R.F., Abbas A.S.	Extraction of chitin from edible crab shells of <i>Callinectes sapidus</i> and comparison with market purchased chitin [Extração de quitina de cascas de caranguejo comestíveis de <i>Callinectes sapidus</i> e comparação com quitina adquirida no mercado]	2023	Brazilian Journal of Biology	83			
1492.	Ansari B., Altaf J., Ramzan A., Ahmed Z., Khalil S., Qamar S.U.R., Awan S.A., Jehangir K., Khalid R., Aziz S., Sultana T., Sultana S., Alsamadany H., Alshamrani R., Awan F.S.	Molecular Phylogenetics of <i>Physa acuta</i> (Pulmonata: Basommatophora): an Invasive species in Central Punjab Pakistan [Molecular Phylogenetics of <i>Physa acuta</i>	2023	Brazilian Journal of Biology	83			

		(Pulmonata: Basommatophora): uma espécie invasora no centro de Punjab, Paquistão]						
1493.	Ahmad B., Hussain S.M., Ali S., Zubair-Ul-Hassan Arsalan M., Tabassum S., Sharif A.	Efficacy of acidified phytase supplemented cottonseed meal based diets on growth performance and proximate composition of Labeo rohita fingerlings [Eficácia de dietas à base de algodão com fitase acidificada suplementada no desempenho do crescimento e na composição proximada de dedos de Labeo rohita]	2023	Brazilian Journal of Biology	83			
1494.	Mahmood M.S., Ashraf A., Ali S., Siddique A.B., Asad F., Abbas R.Z., Siddique F., Aslam A., Aslam R.,	Portrayal of Punica granatum L. peel extract through High Performance Liquid	2023	Brazilian Journal of Biology	83			

	Rafique A.	Chromatography and antimicrobial activity evaluation [Retrato do extrato de casca de Punica granatum L. por meio de cromatografia l��quida de alto desempenho e avalia��o da atividade antimicrobiana]						
1495.	Aziz S., Altaf J., Ramzan A., Ahmed Z., Qamar S.U.R., Awan S.A., Khalil S., Jehangir K., Khalid R., Ansari B., Sultana T., Sultana S., Alsamadany H., Alshamrani R., Awan F.S.	Characterization of the species of genus Physa on the basis of typological species concept from Central Punjab [Caracteriza��o das esp��cies do g��nero Physa com base no conceito tipol��gico de esp��cie do Punjab Central]	2023	Brazilian Journal of Biology	83			
1496.	Hayat H., Akbar A., Ahmad T., Bhatti S.H., Ullah M.I.	Robustness to missing observation and	2023	Communications in Statistics: Simulation and Computation	52	11	5213	5230

		optimalities of response surface designs with regular and complex structure						
1497.	Khan R.U., Naz S., Ullah H., Ullah Q., Laudadio V., Qudratullah, Bozzo G., Tufarelli V.	Physiological dynamics in broiler chickens under heat stress and possible mitigation strategies	2023	Animal Biotechnology	34	2	438	447
1498.	Abdal N., Abbas G., Asad S.A., Ghfar A.A., Shah G.M., Rizwan M., Ali S., Shahbaz M.	Salinity mitigates cadmium-induced phytotoxicity in quinoa (<i>Chenopodium quinoa</i> Willd.) by limiting the Cd uptake and improved responses to oxidative stress: implications for phytoremediation	2023	Environmental Geochemistry and Health	45	1	171	185
1499.	Mustafa G., Iqbal A., Javid A., Hussain A., Bukhari S.M., Ali W., Saleem M., Azam S.M., Sughra F., Ali	Variations in nutritional profile of honey produced by various species of genus <i>Apis</i>	2023	Brazilian Journal of Biology	83			

	A., Rehman K.U., Andleeb S., Sadiq N., Hussain S.M., Ahmad A., Ahmad U.	[Variações no perfil nutricional do mel produzido por várias espécies do gênero Apis]						
1500.	Rehman H.F., Ashraf A., Muzammil S., Siddique M.H., Ali T.	Assessment of zinc solubilization potential of zinc-resistant Pseudomonas oleovorans strain ZSB13 isolated from contaminated soil [Avaliação do potencial de solubilização do zinco da cepa ZSB13 de Pseudomonas oleovorans resistente ao zinco isolada de solo contaminado]	2023	Brazilian Journal of Biology	83			
1501.	Arsalan M.Z.-U.-H., Hussain S.M., Ali S., Ahmad B., Sharif A.	Use of phytase and citric acid supplementation on growth performance and nutrient digestibility of <i>Cirrhinus mrigala</i>	2023	Brazilian Journal of Biology	83			

		fingerlings fed on canola meal based diet [Uso de suplementaÃ§Ã£o de fitase e Ã¡cido cÃ¡trico no desempenho do crescimento e digestibilidade de nutrientes de dedos Cirrhinus mrigala alimentados em dieta Ã base de refeiÃ§Ã£o de canola]						
1502.	Abbas Z., Nazir H.Z., Riaz M., Abid M., Akhtar N.	An efficient nonparametric double progressive mean chart for monitoring of the process location	2023	Communications in Statistics: Simulation and Computation	52	6	2578	2591
1503.	Shaheen S., Abrar M., Saleem S., Shabbir R., Zulfiqar S.	Linking organizational cronyism to deviant workplace behavior: Testing the mediating role of employee negligence in Pakistani higher	2023	International Journal of Leadership in Education	26	3	427	449

		education institutions						
1504.	Bhatti S.H., Khan F.W., Irfan M., Raza M.A.	An effective approach towards efficient estimation of general linear model in case of heteroscedastic errors	2023	Communications in Statistics: Simulation and Computation	52	2	392	403
1505.	Mustafa G., Arshad M., Bano I., Abbas M.	Biotechnological applications of sugarcane bagasse and sugar beet molasses	2023	Biomass Conversion and Biorefinery	13	2	1489	1501
1506.	Hussain, I., Abrar, M., & Shabbir, R	2023 4(1), 93-115	Role of Innovation Diffusion Theory to Investigate the Consumers' Usage Intention of Omnichannel Retailing	<i>Pakistan Journal of Multidisciplinary Research</i> <i>ISSN No: 2710-4737</i>	https://www.pjmr.org/pjmr/article/view/347	NIL	Y	2 nd
1507.	Ahkam, A., Abrar, M., & Kiran, F.	2023 12(2), 164-170	The role of perceived severity and anticipated regret in predicting panic buying behavior	<i>Bulletin of Business and Economics (BBE)</i> <i>ISSN No: 2414-1771</i>	https://doi.org/10.5281/zenodo.8342116	NIL	Y	2 nd
1508.	Abrar, M., Sultan, F., & Nawaz, M. A.	2023 XIV, 38-54	Exploring the motives behind Chinese cuisine consumption intention: A Comparative Analysis between Sojourners and Local Consumers	<i>Pakistan Journal of Social Issues (PJSI)</i>	https://uog.edu.pk/downloads/journal/XIV/3.pdf	NIL	Y	1 st
1509.	Dr. Fariha gul, asma ishtiaq,	Issues faced by academies	Russian law journal	VOLUME XI (2023) ISSUE 12S	https://www.russianlawjournal.org/index.php/journal		X	2nd

	faisal amjad, dr. Sidra aslam, hafiz muhammad afzaal, sohail ahmad	attending students alongside School classes: a survey study at secondary level			al/article/view/2321/1297			
1510.	Dr. Shumaila Mahboob, Dr. Shafqat Rasool and Asma Ishtiaq	“Teacher”: A Mechanism for Social Entrepreneurshi p and Community Development	Journal of Development and Social Sciences	Jul-Sep 2023, Vol.4, No.3 [1032-1038]	Http://dx.doi.org/10.4720 5/jdss.2023(4-III)95		Y	3 rd *
1511.	Dr. Shafqat Rasool, Asma Ishtiaq Dr. Shumaila Mahboob*	Navigating Challenges: Advancing Early Childhood Education and Care in Pakistan	Pakistan Languages and Humanities Review	Oct-Dec 2023, Vol. 7, No. 4 [746-753]	Https://doi.org/10.47205/ plhr.2023%287-IV%2966		Y	2nd
1512.	Asma Ishtiaq Dr. Shumaila Mahboob and Dr.Shafqat Rasool*	A comparativestud y of high and low achievers and their learning styles at university level	Annals of Human and Social Sciences	Jul-Sep 2023, Vol. 4, No. 3 [448-456]	Http://doi.org/10.35484/a hss.2023(4-III)41		Y	1st
1513.	Muha mmad Jameel Hussai n, Dongfa ng Nie,	A new broom sweeps clean? Evidence from	Meditari Account ancy Researc h, 2049- 372X		https://doi.org/10.1108/ME D AR-12-2020-1119	3.5	W	4 th

	Gaolia ng Tian, Adnan Ashraf	CEO tenure and global reporting initiative adoption in China						
1514.	Muhammad Jameel Hussain, Gaolia g Tian, Adnan Ashraf , Muhammad Kaleem Khan, Lu Ying	Chief executive officer ability and corporate environ mental sustainability information disclosure	Business Ethics, the Environment & Responsibility, 2694- 6424	January 2023, Volume 32, Issue 1, Pages 24-39	https://doi.org/10.1111/beer.12485	2.1	X	3 rd
1515.	Muhammad Jameel Hussain, Tian Gao Liang, Adnan Ashraf , Radwa n Hussien Alkebsee	CEO's time perspective influence on green innovation	Spanish Journal of Finance and Accounting, 2332- 0753	26 Sep 2023,	https://doi.org/10.1080/02102412.2023.2256082	1.0	X	3 rd
1516.	Kiran, F., Lodhi, S. A., Sabbir, R. ,& Zubair, A	Consumers' journey toward brand loyalty using social media brand community engagement: A case of fashion brands	Journal of Promotion Management, 1049- 6491	2023, 30 (1), 129-156	https://doi.org/10.1080/10496491.2023.2251466		X (man dator y public ation)	Correspo nding author
1517.	Faiq Mahmood, Rabia Arshad, Ahsan Riaz, Muhammad Usman, Mohsin Bashir*	Do behavioral biases impact investment decisions? Stock market investor's-based view	Multicultural Education, 1068- 3844	2023, Vol. 09, No. 01	https://mc-caddogap.com/wp-content/uploads/galleyproof-3-mc-9-1..pdf		X	Correspon ding author

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1520.	Adnan Ali Chaudhary, Ayesha Sharif, Hamad Raza , Nimra Riaz, Nadeem Nazir	The Role of Non-Government Organization Functioning and Challenges: A Case Study on Shaukat Khanum Cancer Care and Research Center Pakistan with Comparative Analysis	Journal of Excellence in Social Sciences ISSN(E): 2755-3876	Vol. 2 No. 2 (2023): JESS, 78-87 Published 2023-12-05	https://journals.smarcons.com/index.php/jess/article/view/157 (Mandatory)		Y	3rd
1521.	Rizvi, S. M. R., Tahir, S. H., Hamad Raza. , Ali, A. F., Avi, A.R.	Board Characteristics and Firm Performance: A Configurational Analysis	JISR Management and Social Sciences & Economics e-ISSN: 1998-4162, p-ISSN: 2616-7476	Vol 21 No 1 (2023), JISR, 69-91 Published 2023-03-31	https://doi.org/10.31384/jisrmsse/2023.21.1.4		Y	3rd
1522.	Adnan Ali Chaudhary, Ayesha Sharif, Hamad Raza , Nimra	The Role of Non-Government Organization	Journal of Excellence in Social Sciences	Vol. 2 No. 2 (2023): JESS, 78-87 Published	https://journals.smarcons.com/index.php/jess/article/view/157		Y	3rd

	Riaz, Nadeem Nazir	Functioning and Challenges: A Case Study on Shaukat Khanum Cancer Care and Research Center Pakistan with Comparative Analysis	ISSN(E): 2755-3876	2023-12-05	(Mandatory)			
1523.	Rizvi, S. M. R., Tahir, S. H., Hamad Raza ., Ali, A. F., Avi, A.R.	Board Characteristics and Firm Performance: A Configurational Analysis	JISR Management and Social Sciences & Economics e-ISSN: 1998-4162, p-ISSN: 2616-7476	Vol 21 No 1 (2023), JISR, 69-91 Published 2023-03-31	https://doi.org/10.31384/jisrms/2023.21.1.4		Y	3rd
1524.	Ahsan Riaz, Muqadas Muhammad Hussain, Hamad Raza* , Aiza Khan	Board Attributes and Firm Performance of Non-Financial Listed Firms in Pakistan: Role of Ownership Structure	Journal of Business and Social Review in Emerging Economies (ISSN: 2519-089X & eISSN: 2519-0326)	Vol 9 No 3 (2023), 381-392 Published 2023-09-30	https://publishing.globalcsrc.org/ojs/index.php/jbsee/article/view/2803 DOI: https://doi.org/10.26710/jbse.v9i3.2803		Y	Corresponding
1525.	AhsanRiaz, NimraRiaz, ArslanNajeeb Khan, HamadRaza*	Sustainable Practices as a Path to Achieving Sustainable Development Goals: A Systematic Literature Review and Bibliometric Analysis by Using VosViewer Software	Sustainable Business and Society in Emerging Economies (ISSN: 2708-2504 and ISSN-E: 2708-2172)	Vol 5 No 3 (2023), 373-388. Published 2023-09-30	https://publishing.globalcsrc.org/ojs/index.php/sbsee/article/view/2782 DOI: https://doi.org/10.26710/sbse.v5i3.2782		Y	Corresponding
1526.	Adnan Ali Chaudhary, Ayesha Sharif, Nimra Riaz, Hamad Raza* ,	Cracks in the system: Investigating the	JOURNAL OF EXCELLENCE IN MANAGEMENT	VOL. 2 NO. 2 (2023), 82-91 Published	https://journals.smarcons.com/index.php/jems/article/view/156		Y	Corresponding

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1527.	Hamad Raza , Nimra Riaz, Ahsan Riaz*, Ali Salman	Untangling the Puzzle of Cash Holding Net Working Capital & Financial Performance: A Case of Pakistan Stock Market	Journal of Accounting and Finance in Emerging Economies (ISSN-Print: 2519-0318) (ISSN-Online: 2518-8488)	Vol 9 No 3 (2023), Published 2023-09-30	https://publishing.globalcsrc.org/ojs/index.php/jafee/article/view/2795 DOI: https://doi.org/10.26710/jafee.v9i3.2795		Y	1st
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1529.	Ahsan Riaz, Nimra Riaz, Hamad Raza , Farhan Mirza	Green Banking Practices: A Bibliometric Analysis and Systematic Literature Review	Entrepreneurship and Green Finance Practices: Avenues for Sustainable Business Start-ups in Asia Emerald Publishing Limited ISBN: 978-1-80455-679-5 (Print) ISBN: 978-1-80455-678-8 (Online) ISBN: 978-1-80455-680-1 (Epub)	2023, pp. 299-317 Published 2023-12-14	https://www.emerald.com/insight/content/doi/10.1108/978-1-80455-678-820231016/full/html DOI https://doi.org/10.1108/978-1-80455-678-820231016		X	3rd
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1536.	Hamad Raza, Nimra	Untangling the	Journal of Accounting	Vol 9 No 3 (2023)	https://publishing.globalcsr.or		Y	Correspo

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1537.	Sadaf Noreen, Ahsan Riaz* , Nimra Riaz, Nadeem Nazir, Nadia Sadiq	Impact of Profitability on Trade Credit Supply of Pakistani Firms: A Moderating Role of Financial Distress	Journal of Quantitative Methods, ISSN (E): 2522-2260 ISSN (P): 2522-2252	Vol 7 No 2 (2023): Winter	https://ojs.umt.edu.pk/index.php/jqm/article/view/1305 DOI: https://doi.org/10.29145/jqm.0702.03		Y	Corresponding
1538.	Ahsan Riaz , Muqadas Muhammad Hussain, Hamad Raza, Aiza Khan	Board Attributes and Firm Performance of Non-Financial Listed Firms in Pakistan: Role of Ownership Structure	Journal of Business and Social Review in Emerging Economies (ISSN: 2519-089X & eISSN: 2519-0326)	Vol 9 No 3 (2023), 381-392 Published 2023-09-30	https://publishing.globalcsrc.org/ojs/index.php/jbsee/article/view/2803 DOI: https://doi.org/10.26710/jbsee.v9i3.2803		Y	1 ST
1539.	Ahsan Riaz , Nimra Riaz, Arslan Najeeb Khan, Hamad Raza	Sustainable Practices as a Path to Achieving Sustainable Development Goals: A Systematic Literature Review and Bibliometric Analysis by Using VosViewer Software	Sustainable Business and Society in Emerging Economies (ISSN: 2708-2504 and ISSN-E: 2708-2172)	Vol 5 No 3 (2023), 373-388. Published 2023-09-30	https://publishing.globalcsrc.org/ojs/index.php/sbsee/article/view/2782 DOI: https://doi.org/10.26710/sbsee.v5i3.2782		Y	1 ST
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1542.	Nimra Riaz , Ahsan Riaz* , Rabia Tariq , Muhammad Talha	The Nexus Between Fintech Adoption & Bank Performance: A Role of Competitiveness	Pakistan Journal of Humanities and Social Sciences (PJHSS) E-ISSN 2415-007x P-ISSN 2709-801X	Vol. 11 No. 4 (2023): October – December, 3981-3993 Published 2023-11-29	https://journals.internationalrasd.org/index.php/pjhss/article/view/1780 DOI: https://doi.org/10.52131/pjhss.2023.1104.0668		Y	Corresponding
1543.	Dr. Muhammad Rizwan Kamran, LubnaNasar, SaimaKhurshid, Aisha Saleem	Valuing Integration in Asian Stock Markets: a Comparative Study of pre and post-covid-19 periods.	Bulletin of Business and Economics	2023, Vol 12, Number 2, Pages 126-132	https://bbejournal.com/index.php/BBE/article/view/456 / 10.5281/zenodo.8331580		Y	Corresponding
1544.	Muhammad Rizwan Kamran, SadafAmbreen Aisha Saleem, Muhammad Farooq Rehan	Unveiling the Impact of Employee Engagement on Firm Performance: The Crucial Moderating Role of Supervisory Behaviors	Journal of Business and Social Review in Emerging Economies	2023, Vol 9, Number 4, Pages 419-432	https://publishing.globalcsrc.org/ojs/index.php/jbsee/issue/view/103		Y	3 rd
1545.	Muhammad Rizwan Kamran, FazalRasool, Aisha Saleem, Muhammad Jawad Malik	Impact of Intellectual Capital on Financial Performance: The Mediating Role of Financial Leverage	Sustainable Business and Society in Emerging Economies	2023, Vol 05, Number 3, Pages 401-410	https://publishing.globalcsrc.org/ojs/index.php/sbsee/issue/view/99		Y	3 rd
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1548.	Muhammad Farooq Rehan, Shoaib Masood Khan, Raheel Mumtaz, Khalid Hussain	Leaders Narcissism, Organizational Cynicism, and External Auditor's Acceptance of Premature Signoff: Moderation of the Auditor's Resilience	Leadership &Organizational Behavior Journal 2789-682X	Dec, 2023 Vol 3, PP 1-22	http://pu.edu.pk/images/journal/LOBJ/PDF/1_V3_No_1_23.pdf	0.00	Y	3 rd
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1550.	Raheel Mumtaz, Khalid Hussain,& Shoaib Masood Khan	Macroeconomic Factors and Economic Development: An Insight into China Economy Using	Contemporary Issues in Social Sciences and Manageme	Sep, 2023 Vol 2 No 3 PP 55-69	https://www.cissmp.com/index.php/CISSMP/article/view/79	0.00	Y	1 st

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1552.	Muhammad Rizwan Kamran, Mugeeb Zaman Shami, Aiza Khan, Muqdas Muhammad Hussain	Firm Performance: An Analysis of Financial Policy and Audit Quality in Pakistan	Journal of Accounting and Finance in Emerging Economies	2023, Vol 9, Number 4, Pages 479-488	https://publishing.globalcsrc.org/ojs/index.php/jafee/article/view/2792		Y	1
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1554.	Muhammad Rizwan Kamran, FazalRasool, Aisha Saleem, Muhammad Jawad Malik	Impact of Intellectual Capital on Financial Performance: The Mediating Role of Financial Leverage	Sustainable Business and Society in Emerging Economies	2023, Vol 05, Number 3, Pages 401-410	https://publishing.globalcsrc.org/ojs/index.php/sbsee/issue/view/99		Y	1
1555.	Dr. Muhammad Rizwan Kamran, LubnaNasar, SaimaKhurshid, Aisha Saleem	Valuing Integration in Asian Stock Markets: a Comparative Study of pre and post- covid-19 periods.	Bulletin of Business and Economics	2023, Vol 12, Number 2, Pages 126-132	https://bbejournal.com/index.php/BBE/article/view/456 / 10.5281/zenodo.8331580		Y	1

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1557.	Safdar Hussain Tahir, Nausheen Syed, Alia Qadir	Global financial crisis, corruption and financial markets: new evidence from South Asia	International Journal of Trade and Global Markets 1742755X,17427541	Jan 18, 2023 Vol. 16, No. 4, 327-348	https://dx.doi.org/10.1504/IJTGM.2022.128358	Nil	X	1
1558.	*Muhammad Maisam Raza, Safdar Husain Tahir, Hamad Raza, Ali Fadhil Ali, Areeba Rahat Alvi	Board Characteristics and Firm Performance: A Configurational Analysis	JISR management and social sciences & economics 26167476,19984162	Mar 31, 2023 VOL. 21, NO. 1, 69–91	https://doi.org/10.31384/jisrmsse/2023.21.1.4	NIL	Y	2
1559.	Muhammad Rizwan Ullah, *Safdar Husain Tahir, Hina Shahzadi, Hafiz Waqas Kamran	Digital Pathways to Success: The Transformative Power of Digitalization and Digital Capabilities on SMEs' Financial Performance	iRASD Journal of Economics 27096734,27096742	Jun 29, 2023 Vol 5, Num 2, 465 – 485	https://doi.org/10.52131/joe.2023.0502.0140	Nil	y	2
1560.	Muhammad Rizwan Ullah,	From Pixels to Profits:	Journal of Development and	July-Sep, 2023	https://doi.org/10.47205/jds.2023(4-III)66	Nil	Y	2

	*Safdar Husain Tahir, Hina Shahzadi	Configurations of Digital Alchemy for SMEs Excellence	Social Sciences 27096254,27096262	Vol.4, No.3, 708-719				
1561.	Muhammad Ahmed, *Safdar Husain Tahir Gulzar	Fostering Inclusive Growth: Exploring Gender Dynamics and Loan Size in Microfinance Institutions	Annals of Social Sciences and Perspective 2707 7063,27888797	Sep, 2023 Vol 4, Issue 2 708-719	https://doi.org/10.52700/assap.v4i2.301	Nil	Y	2
1562.	Alina Ahmad, Sharjeel Saleem and Beenish Qamar	Exploring the relationship between workplace ostracism and innovative work behavior: Mediating role of creative self- efficacy	NICE Research Journal(ISSN:2219- 4282) RPA Claim	2023, Vol. 16, Issue 2, Pages 1-22.	Given below	N/A	Y	2 nd Author
1563.	Hadia Awan, Masood Nawaz Kalyar and Sharjeel Saleem	Examining the role of core self- evaluation and learning goal orientation in determining individual ambidexterity	NICE Research Journal(ISSN:2219- 4282) RPA Claim	2023, Vol 15, Issue 4, pages 25-48.	Given below	N/A	Y	3 rd Author
1564.	Muhammad Farooq Rehan, Shoaib Masood Khan, Raheel Mumtaz, Khalid Hussian	Leaders Narcissism, Organizational Cynicism, and External Auditor's Acceptance of Premature Signoff: Moderation of the Auditor's Resilience	Leadership & Organizational Behavior Journal 2789-682X,2790-198X	2023, 3(1), 1-22.	http://pu.edu.pk/images/journal/LOBJ/PDF/1_V3_No_1_23.pdf		Y	1 st
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	Aisha Saleem, Muhammad Farooq Rehan	Engagement on Firm Performance: The Crucial Moderating Role of Supervisory Behaviors	2519 - 089X & ISSN (E) : 2519-0326					
1566.	Muhammad Shaharyar Sabiri ** Muhammad Imran Shah (Corresponding Author)	Vocabulary and Mobile Assisted Language Learning (MALL): A Survey on ESL Undergraduate Learners of Punjab	ISSN 270 7 - 9023 (online), ISSN 270 7 - 9015 (Print	Vol. 4, Issue 2, 2023 (April – June)	DOI: https://doi.org/10.36902/rjsser-vol4-iss2-2023(187-200)	3.6	y	2 nd (corresponding)
1567.	* Umm - e - Rubab ** Muhammad Imran Shah (Corresponding Author)	E - Learning and Vocabulary Building: A Survey on EFL Secondary School Level Students	SSN 270 7 - 9023 (online), ISSN 270 7 - 9015 (Print)	Vol. 4 , Issue 2 , 20 23 (April – June)	DOI: https://doi.org/10.36902/rjsser-vol4-iss2-2023(174-186)	3.6	y	2 nd (corresponding)
1568.	Rai Hassan Iqbal Syed Kazim Shah SajeedaZeb	Myths and Realities About Hypertension: A Critical Discourse Analysis of Recommendation	Pakistan's Multidisciplinary Journal for Arts & Science	Vol. 4 No. 02 (2023) Page No. 98-106	https://pmdjas.com/index.php/pmdjas/article/view/77/71			

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1569.	Maria Fatima Dogar, Syed Kazim Shah	Exploring Classroom Practices for Developing Reading Fluency in Public Schools	Pakistan Journal of Educational Research and Evaluation (PJERE)	Vol 11, No 2 (2023) Page. No. 1-13	http://journals.pu.edu.pk/journals/index.php/PJERE/article/view/7601			
1570.	AYESHA SALMAN HASHMI, SYED KAZIM SHAH, MUHAMMAD SHAFQAT NAWAZ	Bridgerton By Julia Quinn As An Inter-Text Of Female Universal Voice: A Critical Discourse Analysis	Russian Law Journal	Volume XI (2023) Issue 5 Page. No. 1485-1496	https://russianlawjournal.org/index.php/journal/article/view/2864/1701			
1571.	Zahra Rubab, Syed Kazim Shah	TEXT TYPES USED IN THE READING COMPREHENSION OF TEXTBOOKS: A SYSTEMIC-LINGUISTICS BASED STUDY	Russian Law Journal	Vol. 11 No. 4 (2023) Page. No. 1225-1239	https://russianlawjournal.org/index.php/journal/article/view/3381/2128			

1572.	Muniba Zaman Dr. Syed Kazim Shah , Nasir Ali	The Manipulation of Pakistani News Media Using Deletion in News Reports of Rape Cases	PAKISTAN LANGUAGES AND HUMANITIES REVIEW	April-June 2023, Vol. 7, No. 2 586-596	https://ojs.plhr.org.pk/journal/article/view/467/352			
1573.	Muhammad Shaharyar Sabiri Dr. Syed Kazim Shah Umm-e-Rubab	The Perils Unveiled: Discourse on Cancer; A CDA of Research Articles and Medical Associations	Journal of English Language, Literature and Education	Vol.5 Issue3 2023 PP 112 - 137	file:///C:/Users/A1/Downloads/186-Article%20Text-393-1-10-20230928.pdf			
1574.	Muhammad Mushtaq Dr. Syed Kazim Shah	An Analytical Study of Student Learning Outcomes and their Alignment with the Activities of Writing Skill at Primary Level in Pakistan	Linguistic Forum	Volume 5, Issue 2, 2023 Pages 40-45	https://linguisticforum.com/index.php/ling/article/view/181/106			
1575.	Farhana Yasmin Muhammad Umar	Impact of Exam-Oriented	International Journal of	Volume 04 No 01, June 2023	https://ijlc.wum.edu.pk/index.php/ojs/article/view/180/8			

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1576.	MunibaZaman Dr. Syed Kazim Shah GhulamHasnain	A Critical Discourse Analysis of News in Media about Rape Victims in Pakistan	Linguistic Forum	Volume 5, Issue 1, 2023 Pages 16-21	https://linguisticforum.com/index.php/ling/article/view/154			
1577.	Rehman Younis1Dr. Syed Kazim Shah	Developing Communicative Competence among the Learners: An Analysis of Secondary Level Textbooks for English in Pakistan	Pakistan Languages and Humanities Review	2023, Vol. 7, No. 1 456-475	https://ojs.plhr.org.pk/journal/article/view/602/499			
1578.	RahatBatool Syed Kazim Shah	WHO IS MORE DANGEROUS? OBESITY OR MEDICAL DISCOURSE ON OBESITY: A CDA OF DISCOURSE OF RESEARCH ARTICLES AND MEDICAL ASSOCIATIONS	Pakistan's Multidisciplinary Journal for Arts & Science	2023, VOL.4 (No, 02) Page. 141–155	https://pmdjas.com/index.php/pmdjas/article/view/83/79			

1579.	SeharNaureen, Syed Kazim Shah,MunibaMushtaq	Conversation Analysis of Jo Chale to Jaan Se GuzarGaey: A Drama Serial from Pakistan Electronic Media	Journal OfEnglish Language Literature AndEducation	Vol.4 Issue3 January March 2023 pp 48-68	https://jelle.lgu.edu.pk/index.php/jelle/article/view/153/109			
1580.	RimshaParveen Kazim Shah	THEMATIC AND MICROSTRUCTURE ANALYSIS OF TWITTER TWEETS: A CORPUS-BASED CDA STUDY	Journal Of Academic Research For Humanities	Volume 3, Issue 3, Page No. 260-269	https://jar.bwo.org.pk/index.php/jarh/article/view/333/198			
1581.	Rai Hassan Kazim Shah	EXPLORING THE SOCIAL CONTEXT OF ONLINE ENGLISH LANGUAGE TEACHING (ELT) PLATFORMS: A CRITICAL DISCOURSE ANALYSIS OF YOUTUBE COMMENTS	Journal Of Academic Research For Humanities	Volume 3, Issue 3, Page No. 283-293	https://jar.bwo.org.pk/index.php/jarh/article/view/331/201			
1582.	Ifra Fatima Dr. Syed Kazim Shah	Medical Discourse on Non-Alcoholic Fatty Liver Condition: A	Journal of Development and Social Sciences	Jul-Sep 2022, Vol. 3, No. 3 785-798	https://ojs.jdss.org.pk/journal/article/view/543/419			

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1585.	Hurmet Fatima, Dr. Aleem Shakir	EFFECT OF JOURNAL CATEGORY ON DISTRIBUTION OF PROTOTYPICAL TEXT-ORIENTED LEXICAL BUNDLES: A CORPUS-BASED STUDY OF QUANTITATIVE RESEARCH ARTICLES	Jahan-e-Tahqeeq	2023, Volume 6, Issue 4, page. 508-524	URL: https://www.jahan-e-tahqeeq.com/index.php/jahan-e-tahqeeq/article/view/1045 DOI: https://doi.org/10.61866/jt.v6i4.1045		Y- Categor y	2 nd

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1642.	Muhammad Ramzan, ZartashiaKynat Javaid	Amplifying Classroom Enjoyment and Cultivating Positive Learning	Pakistan Journal of Humanities and Social SciencesISSN	Volume 11, Number 02, 2023, Pages 2236-2246	DOI: https://doi.org/10.52131/pjhss.2023.1102.0522		y	3 rd

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1659.	ZartashiaKynatJavaid, Khalid Mahmood* (corresponding author)&AbidaAjid Ali	Mediating Role of Mindfulness between Quality of Life and Workplace Stress among Working Women.	Journal of Workplace Behavior (JoWB)/ 2710-2807,2710-2378	2023 4(1), 68-80	https://www.charisma-jwb.com/index.php/jwb/article/view/170		Y	2 ND &Corresponding
1660.	ZartashiaKynatJavaid&Khalid Mahmood	Exploration of Embitterment among University Students: A Qualitative Study	Journal of Policy Research/ 2709-8966,2410-8162	2023 9(3), 124-129	https://doi.org/10.61506/02.00005		Y	2 ND
1661.	ZartashiaKynatJavaid&Khalid Mahmood	Efficacy of Expressive Writing Therapy in Reducing Embitterment among University Students	Pakistan Journal of Law, Analysis and Wisdom/ 2959-0817,2959-0825	2023 2(02), 136-145	https://doi.org/10.1234/pjlaw.v2i02.57		Y	2 nd
1662.	Dr. Shaziahabib, Saima Saeed, Dr. Muhammad Faran,	Linguistic Validation and Cultural	Journal of Positive School Psychology	2023 Vol7 Issue2	https://spe-jpsp.com/wp-content/uploads/2023-2-6.pdf	N/A	X	2 nd

	Sana Batool, Sehrish Farooq	Adaptation of General Ostracism Scale (GOS): Psychometric Evaluation for Adolescents		Pg no. 51-59 ISSN: 2717-7564				
1663.	Iqra Iqbal, Saima Saeed, Asma Riaz, Dr. Shazia Habib	Urdu Translation and Validation of the Light Triad Scale for Young Healthcare Professionals: A Two-Phase Study	Journal of Positive School Psychology	2023 Vol7 Issue2 Pg no. 104-110 ISSN: 2717-7564	https://spe-jpsp.com/wp-content/uploads/2023-2-11.pdf	N/A	X	Corresponding
1664.	Qasir Abbas, Iqra Latif, Mehwish Muneer, Muhammad Umar Khan , Khawer Bilal Baig	Distress tolerance, anxiety-related symptoms, stress, and depression among dropout and non-dropout university students: a mediation analysis	JPMA. The Journal of the Pakistan Medical Association	2023, Vol. 73 (4) Page: 882	https://doi.org/10.47391/JPM.A.6557	0.116	X	4 th Author (Mandatory)
1665.	Mafia Shahzadi, Sana Hafeez, Qasir Abbas, Saba Ehsaan, Muhammad Umar Khan	The leading role of evidence-based practices in the treatment of patients with substance use disorders: a systematic review	JPMA. The Journal of the Pakistan Medical Association	2023, Vol. 73 (8) Page: 1675	DOI: 10.47391/JPMA.7136	1.005	X	5 th Author

1666.	Nudrat Rashid, Amna Shahid, Mehwish Munir, Muhammad Umar Khan* and Zoobia Ramzan	Role of Anxiety Sensitivity, Intolerance of Uncertainty, and Cyberchondria Behaviors among Individuals Diagnosed with COVID-19	Pakistan Journal Of Health Sciences	2023, Vol. 4(12) Page: 122	https://doi.org/10.54393/pjhs.v4i12.1173	Not IF	Y	4 th &Corresponding
1667.	Qasir Abbas* , Mafia Shahzadi, Umara Rauf, Saima Rashid, Sumayah Aljhani	Health-Anxiety and COVID-19 Stress with Mediating Role of Generalized Anxiety Disorder and Obsessive-Compulsive Disorder Among Individuals Diagnosed with COVID-19	Pakistan Journal of Psychological Research	2023, Volume 38 (4) Page: 635	https://doi.org/10.33824/PJPR.2023.38.4.37	0.116	Y	1 st & corresponding (Mandatory)
1668.	Mafia Shahzadi, Sana Hafeez, Qasir Abbas* , Saba Ehsaan, Muhammad Umar Khan	The leading role of evidence-based practices in the treatment of patients with substance use disorders: a systematic review	JPMA. The Journal of the Pakistan Medical Association	2023, Vol. 73 (8) Page: 1675	DOI: 10.47391/JPMA.7136	1.005	X	3 rd &Corresponding (mandatory)
1669.	Qasir Abbas* , Mehru Nisa, Muhammad Umar	Brief cognitive behavior therapy for	BMC Psychiatry	2023, Vol. 23 Page: 539	https://doi.org/	4.339	W	1 st & Corresponding

	Khan, Nida Anwar, Sumayah Aljhani, Zoobia Ramzan and Mafia Shahzadi	stigmatization, depression, quality of life, social support and adherence to treatment among patients with HIV/AIDS: a randomized control trial			10. 11 86 /s1 288 8-02 3-050 13-2			Author
1670.	Abida Kareem HiraAish SamaviaHussain	Evaluation of Initial Psychometric Properties of Economic Exploitation Scale on Pakistani Sample	Human Nature Journal of Social Sciences ISSN 2788-5232,2788- 5240	2023 Vol.4, No.2 (June, 2023), Pp.270-277	DOI: https://hnpublisher.com/ojs/index.php/HNJSS/article/view/79		y	1 st Correspon ding Author
1671.	Amber Akram Rabia Maryam Abida Kareem	Psychological Outcomes of Early Puberty among Adolescent Girls	Human Nature Journal of Social Sciences ISSN 2788-5232,2788- 5240	2023 Vol. 4, No. 2 307-316	https://hnpublisher.com/ojs/index.php/HNJSS/article/view/82		y	3rd
1672.	Abida Kareem Rabia Khawar Rabia Maryam	Family Support as Predictor of life Satisfaction and Happiness in Pakistani	Journal of Development and Social Sciences, ISSN	2023 Vol 4, No.2 539-546	https://doi.org/10.47205/jdss.2023(4-II)48		Y	1st(Corre sponding author

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1673.	Habib, S., Saeed, S., Faran, M., Batool, S., & Farooq, S.	Linguistic Validation and Cultural Adaptation of General Ostracism Scale (GOS): Psychometric Evaluation for Adolescents	Journal of Positive School Psychology,	2023, Issue no.2, Vol. 7 51-59	https://spe-jpsp.com/wp-content/uploads/2023-2-6.pdf		“X” categ ory journal	1st&Corr espondin g Author
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1675.	Shahzadi, M., Khawar, R., Habib, S., Jabeen, M	Parenting and Self-Criticism among Offspring: A Systematic Review	Pakistan Journal of Humanities and Social Sciences	2023, Issue no.2, Vol. 11, 1202–1215	https://doi.org/10.52131/pjhss.2023.1102.0425		Y categ ory journal	3rd Author
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1677.	Muhammad Hussain Sameena Iqbal Saima Khan AsmaRiazHamdani ZeeshanMehfooz Sindhu	EXAMINING THE LONG-TERM EFFECTS OF AUTHORITATIVE PARENTING ON THE DEVELOPMENT OF ADOLESCENTS' SELF-ESTEEM AND EMOTIONAL-REGULATION (Compulsory)	Journal of Population Therapeutics & Clinical Pharmacology 1710-6222	Vol. 30 No. 18 (2023): JPTCP (1015-1031)	DOI: 10.53555/jptcp.v30i18.3221	0.35	X	4th
1678.	Asmariashamdani RabiaKhawar Abdul Razzaqmughal	Concordance Between Self-Report and Parent Proxy Health-Related Quality of Life in Children with Congenital Heart Disease	Pakistan Paediatric Journal ISSN:0304-4904 OnlineISSN: 2305-820x	Vol 47(1) march (2023)PPJ(49-54)	https://www.cabidigitallibrary.org/doi/full/10.5555/20230331096		y	1st
1679.	Alia Zaman Rabia Maryam Asmariashumdani	ROLE OF RESILIENCE IN RELATIONSHIP BETWEEN DEATH ANXIETY AND DISSOCIATIVE	Pakistan Journal of Social Research ISSN 2710-3129 (P) 2710-3137 (O)	Vol. 5, No. 1, March 2023, pp. 466-474.			y	3rd

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1680.	AsmaRiazHamdani HumairaYousaf Rabia Maryam	Social Comparison Orientation in Social Networking Sites and General Health & Well- being among University Students: Role of Narcissism and Self-esteem	Human Nature Journal of Social Sciences ISSN(E) 2788-5240- ISSN(p) 2788-5232	Vol. 4 No. 2 (2023):610-624	https://hnpublisher.com/ojs/index.php/HNJSS/article/view/106		y	1st
1681.	Kamran Khan, Zartashia Kynat Javaid	Analyzing Employee Performance through Workforce Diversity Management: Role of Workforce Diversity Characteristics	Foundation University Journal of Business and Economics (FUJBE),2414- 4770,2519-0172	2023, Vol 8, Issue 2, Pg. 81-101	https://doi.org/10.33897/fujbe.v8i2.811		Y	Correspo nding
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1683.	Hussain, Muhammad Jameel, Gaoliang Tian, Adnan Ashraf, Muhammad Kaleem Khan, and Lu Ying.	"Chief executive officer ability and corporate environmental sustainability information disclosure	Business Ethics, the Environment & Responsibility	." 32, no. 1 (2023): 24-39.		2.1	X	3rd
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1686.	Ashraf Iqbal* Nimra Maqbool, Tanveer Hussain	Impact of Video Games on the Behavior of High School Students	Global Educational Studies Review	(2023) VIII(II), 1-14.	https://doi.org/10.31703/gesr.2023(VIII-II).01		y	1st
1687.	Ashraf Iqbal, Mah Noor Fatima, Qaisar Shehzad Farooq	Exposure to Social Media Advertisements Regarding Cosmetics and	Global Social Sciences Review (GSSR)	2023 , VIII(II), 311-323.	https://doi.org/10.31703/gssr.2023(VIII-II).28 DOI: 10.31703/gssr.2023(VIII-II).28 URL:		y	1st

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1688.	Ahsan Salam * Ashraf Iqbal, Kishwar Parveen	Acquisition of Agricultural Information from the Social Media and Interpersonal Channels by Farmers	Global Social Sciences Review (GSSR)	2023 VIII(II), 514-527.	https://doi.org/10.31703/gssr.2023(VIII-II).47		y	2nd (corresponding author)
1689.	Ashraf Iqbal * Ahsan Salam, Qaisar Shehzad Farooq	Relationship between the Use of Social Media and Interpersonal Channels by Farmers	Global Sociological Review (GSR)	2023 VIII(I), 198-210.	https://doi.org/10.31703/gsr.2023(VIII-I).19		y	1st
1690.	Qaisar Shehzad Farooq * M. Zafar Iqbal, Ashraf Iqbal	Framing War on Terror: Analyzing the Editorials of Mainstream English Newspapers of Pakistan	Global International Relations Review	2023 , VI(I), 54-67.	https://doi.org/10.31703/girr.2023(VI-I).06		y	3rd (Corresponding Author)
1691.	Umia Gull * Ashraf Iqbal, Usman Idrees	Innovative Life Style and Race of Social Perfection Over Social Media	Global Social Sciences Review	2023 , VIII(II), 273-281.	VIII(II), 273-281. https://doi.org/10.31703/gssr.2023(VIII-II).28		y	2nd (Corresponding Author)
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		Case Study of Female Students of Public Sectors Universities						
1693.	Umia Gull, Dr. Sana Haroon, Dr. Ashraf Iqbal (Corresponding author)	Fear Of Social Isolation And Lack Of Self-Confidence On Social Platforms (Facebook) In Frame Of Spiral Of Silence	Journal of Namibian Studies, 34 S1 (2023): 2280-2303 ISSN: 2197-5523 (online)	2023			x	3rd corresponding author
1694.	Umia Gull , Ashraf Iqbal & Usman Idrees	Lack of Communication Ethics and Social Responsibility over Social Media	Online Media & Society	Vol.4, No.4 (December, 2023), Pp.15-31 ISSN(online): 2790-1882, ISSN(print):2790-1874	https://hnnpublisher.com/ojs/index.php/OMS/issue/view/26		y	2nd Corresponding Authour
1695.	Dr. Azmat Ullah, Ms. SamiaSafdar and Dr. Aman Ullah Khan	Withdrawal of Soviet and American Forces from Afghanistan: Comparative Analysis	Journal of Positive School Psychology ISSN: 2717-7564 (Social Sciences)	2023, Vol. 7, No. 1 Pages: 1933-1948	https://www.journalppw.com/index.php/jpsp/article/view/17475	NA	X	1st Author
1696.	Ms. ArousaAman and Azmat Ullah	Mountbatten and A “Moth-Eaten Pakistan:” A Case Study of the Partition of Punjab	Russian Law Journal, ISSN: 2309-8678 (Print): 2312-3605 (Online)	2023, Vol. XI, No. 13s Pages: 287-297	https://www.russianlawjournal.org/index.php/journal/article/view/2815	NA	X	Corresponding Author
1697.	Hira Sakhawat and	Crisis of	Russian Law Journal,	2023, Vol. XI, Issue No.12s ISSN: 706-712.	https://russianlawjournal.o	NA	X	Correspo

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1699.	Hina Gull, Dr. M. Shabir Ali Saleemi, DrShumailaShahzad, DrBushraNoareen, UmairAyub	Exploring the role of supervisors' feedback in solving problems of prospective teachers during teaching practice	Central European Management Journal	2023, Volume 31, Issue 2,	https://journals.kozminski.cems-j.com/index.php/pl_cemj/article/view-2023/02_713.html	-	X	Corresponding
1700.	Dr. MehwishJabeen, DrBushraNaoreen, DrShumailaShahzad, Farhan Amjad, UmairAyub	Academic crisis in primary schools of Punjab: A comparative study	Central European Management Journal	2023, Volume 31, Issue 1,	https://journals.kozminski.cems-j.com/index.php/pl_cemj/article/view-2023/996.html	-	X	2nd
1701.	DrBushraNaoreen, Farhan Ajmad*, DrShumailaShahzadnida Khalid, MehwishJabeen	Effects of workplace ostracism on stress and work engagement of university teachers	RUSSIAN LAW JOURNAL	2023, Volume XI, Issue 2, 433-440	https://www.russianlawjournal.org/index.php/journal/issue/view/41	-	X	1 st
1702.	Afia khan, Zahira	2023	Role of Different	REVIEW OF	https://real.spcrd.org/index	Y	V6,	

	Batool, Ayesha Ch. Saira Siddiqui		Socio-economic Variables in Academic Indicators of Autistic Youth in Punjab	EDUCATIONADMINISTRATION AND LAW (REAL)	php/real/article/view/331		No. 2	
1703.	Rakshnada Maqsood, Sadaf Mahmood, ZahiraBatool, Nazia Malik	2023	Mystery of Female Homicide Offenders: Criminal Justice Practitioners' Perspective	Journal of Policy Research	https://jprpk.com/index.php/jpr/article/view/436	Y	V 9, No.3	
1704.	Sajjad Anwar, Muhammad Shabbir, ZahiraBatool, Sadaf Mahmood	2023	Challenges and Opportunities in Implementation of Single National Curriculum: A Qualitative Inquiry	Journal of ISOSS	https://www.joi.isoss.net/wp-content/uploads/2023/03/06-J-ISOSS-9-1-Galley-Proof-1.pdf	Y	V 9, No.1, 85-98	
1705.	Hafiz Ayazul Qasmi, Dr. Abdul Basit Khan, Rashid Mansoor Ali	Politics of New Provinces in Pakistan: A Historical Analysis	Journal of Development and Social Sciences (JDSS)	2023, Volume 4, No. 2, pp 377-386	DOI: https://doi.org/10.47205/jdss.2023(4-II)33	N.A.	Y	2 nd
1706.	Dr. Abdul Basit Khan, Fayyaz Ahmad Hussain, Rifat Rafeeq	An Insight into the Early Phase of the Constitutional and Political Development of Pakistan (1947-54)	Pakistan Social Sciences Review (PSSR)	2023, Volume 7, No. 3, pp 705-715	DOI: https://doi.org/10.35484/psr.2023(7-III)57	N.A.	Y	1 st
1707.	Mahwish, Farhan Saeed, Farhana Nosheen , Qurat-ul-Ain, Bushra Niaz, Muhammad Afzaal, Kashifa	Bio-evaluation of alkaloids and saponins from bitter melon: Probing more desirable	Cogent Food & Agriculture	9: 2242634 (2023)	https://doi.org/10.1080/23311932.2023.2242634	0.521	W	3 rd

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1708.	Khizar Hayat1 , Nazia Malik2 and Farhana Nosheen*3	A Sociological Investigation About The Factors Affecting The Low Participation Of Rural Communities In Agriculture & Livestock Sector In Faisalabad Division, Punjab Pakistan	J Agric. Res., 2076-7897	2023, Vol. 61(4):329-336	3, Vol. 61(4):329-336 www.jar.com.pk	0.366	Y	Corresponding
1709.	Naveed Rasheed1 Aftab Ahmed2 Farhana Nosheen1 , Ali Imran, Fakhar Islam3 Rabia Noreen1 Anamika Chauhan4 Mohd Asif Shah, Yuosra Amer Ali	Effectiveness of combined seeds (pumpkin, sunflower, sesame, flaxseed): As adjacent therapy to treat polycystic ovary syndrome in females	Food Science & Nutrition.	2023;00:1–9.	https://doi.org/10.1002/fsn.3.3328	3.553	W	3 rd
1710.	Muhammad Shaheryar, Muhammad Afzaal, Farhana Nosheen , Ali Imran, Fakhar Islam, Rabia	Functional exploration of taro starch (Colocasia esculenta) supplemented yogurt	Food Science & Nutrition.	28 April 2023	https://doi.org/10.1002/fsn.3.3358	3.553	W	3 rd

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1711.	Maleeha Fatima1 Farhana Nosheen1 Muhammad Afzaal2 Fakhar Islam2 Rabia Noreen1 Ali Imran2 Yuosra Amer Ali3	Nutritional and health status of Afghan refugee women living in Punjab: A cross-sectional study	Food Science & Nutrition	2023;00:1–11.	https://doi.org/10.1002/fsn3.3267	3.553	W	2 nd
1712.	Arslan Ahmad1 Farhana Nosheen1 Muhammad Umair Arshad2 Farhan Saeed2 Muhammad Afzaal2 Fakhar Islam2 Ali Imran2 Rabia Noreen1 Yuosra Amer Ali3 Mohd Asif Shah4	Isolation and antioxidant characterization of theaflavin for neuroprotective effect in mice model	Food Science & Nutrition	2023;00:1–12.	https://doi.org/10.1002/fsn3.3337	3.553	W	2 nd
1713.	Fakhar Islam, Ali Imran, Farhana Nosheen,	Functional roles and novel tools for improving- oxidative stability of polyunsaturated fatty acids: A comprehensive review	Food Science & Nutrition	28 February 2023	https://doi.org/10.1002/fsn3.3272	3.553	W	3 rd
1714.	Nosheen Ijaz, Muhammad	Structural and functional	Int.J.Food Properties.	2023;26-1, 1636-1644	https://doi.org/10.1080/10942912.2023.2228509	3.388	W	Mandato ry

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1715.	Fakhar Islam, Farhan Saeed, Ali Imran, Umber Shehzadi, Rehman Ali, Farhan Nosheen, Anamika Chauhan, Aasma Asghar, Moses Ojukwu	Bio- preservatives and essential oils as an alternative to chemical preservatives in the baking industry: a concurrent review	Journal of Food Science and Technology		DOI:10.1007/s13197-023- 05762-8	3.553	W	
1716.	SadiaQamar, Muhammad Asif Khan, AamerShaheen* (Corresponding Author)	Publication Date: 22-02-2023	Agentic Female Fraternity of the Recovering Patriarchal Women in <i>ShobhaRao'sGirls Burn Brighter</i>	PalArch's Journal of Archaeology of Egypt/Egyptology ISSN 1567-214x	https://archives.palarch.nl/index.php/jae/article/view/11627	X Catego ry	Vol. 19, No. 4[130 6- 1318]	
1717.	AsadUllahJaved, SadiaQamar, AamerShaheen* (Corresponding	Publication Date:	Alienation and Environment in <i>10 Minutes 38</i>	PalArch's Journal of Archaeology of Egypt/Egyptology ISSN 1567-214x	https://archives.palarch.nl/index.php/jae/article/view/11630	X Catego ry	Vol. 19, No.	

	Author)	24-02-2023	<i>Seconds in this Strange World: An Eco-Materialist Feminist Study</i>				4[1340-1351]	
1718.	Rehab Khalid, AnoshaTauseefSherazi, AamerShaheen* (Corresponding Author)	Publication Date: 29-06-2023	<i>Animal Farm: A Universal Political Allegory as a Mirror to Reflect Pakistani Politics.</i>	PalArch's Journal of Archaeology of Egypt/Egyptology ISSN 1567-214x	https://archives.palarch.nl/index.php/jae/article/view/11921	X Category	Vol. 20, No. 2 [1441 - 1455]	
1719.	Muhammad Salman, HareemHussain, AamerShaheen* (Corresponding Author)	Publication Date: 24-08-2023	Fictional Narratives versus State Narratives: A Study of Hussein's "Karima" as a Fictive Response to the 1971 Partition of Pakistan	Pakistan Languages and Humanities Review P-ISSN 2708-6453 O-ISSN 2708-6461	https://ojs.plhr.org.pk/journal/article/view/561 DOI: http://doi.org/10.47205/plhr.2023(7-III)19	Y Category	Jul-Sep 2023, Vol. 7, No. 3 [197-206]	
1720.	SadiaQamar and AamerShaheen* (Corresponding Author)	Publication Date: 30-09-2023	The Complexities of Inter-religious Courtship and Marriage in Hanif's <i>Our Lady of Alice Bhatti</i>	Pakistan Social Sciences Review (PSSR) P-ISSN 2664-0422 O-ISSN 2664-0430	https://ojs.pssr.org.pk/journal/article/view/445 DOI: https://doi.org/10.35484/pssr.2023(7-III)55	Y Category	July-Sep 2023, Vol. 7, No. 3 [682-692]	
1721.	Mujahid Khan, AamerShaheen andSadiaQamar* (Corresponding Author)	Publication Date: 07-12-2023	Apocalyptic Foreboding in Eliot's Poetry: A Study in Dark Romanticism	<i>Annals of Human and Social Sciences</i> P-ISSN: 2790-6795 O-ISSN:2790-6809	https://ojs.ahss.org.pk/journal/article/view/420 DOI: https://doi.org/10.35484/ahss.2023(4-IV)55	Y Category	Oct-Dec 2023, Vol. 4, No.	

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1722.	AamerShaheen, Muhammad Salman and SadiahQamar*(Corr esponding Author)	Publication Date: 31-12-2023	Magical Realist Motors and the Fictive Chats of the Dead of the Sri Lankan Civil War in Karunatilaka's <i>The Seven Moons of Maali Almeida</i>	Pakistan Languages and Humanities Review P-ISSN 2708-6453 O-ISSN 2708-6461	https://ojs.plhr.org.pk/journal/article/view/756 DOI: https://doi.org/10.47205/plhr.2023(7-IV)65	Y Catego ry	Oct- Dec 2023, Vol. 7, No. 4[733-745]	
1723.	Muhammad Akram, AamerShaheen and SadiahQamar* (Corresponding Author)	Publication Date: 31-12-2023	Colonial Abuse and Environmental Displacement in Tarar's <i>Sorrows of Sarasvati</i>	Annals of Human and Social Sciences P-ISSN: 2790-6795 O-ISSN:2790-6809	https://ojs.ahss.org.pk/journal/article/view/471 DOI: https://doi.org/10.35484/ahss.2023(4-IV)62	Y Catego ry	Oct- Dec 2023, Vol. 4, No. 4[646-654]	
1724.	Farah Batool, AamerShaheena and SadiahQamar* (Corresponding Author)	Publication Date: 31-12-2023	Lost Pedigree, Racism, and the Enigmas of Diasporic Identity in Maisy Card's <i>These Ghosts are Family</i>	Journal of Development and Social Sciences (JDSS) P-ISSN: 2709-6254 O-ISSN:2709-6262	https://ojs.jdss.org.pk/journal/article/view/886 DOI: https://doi.org/10.47205/jdss.2023(4-IV)68	Y Catego ry	Oct- Dec 2023, Vol. 4, No. 4 [762-770]	
1725.	DR. IMRAN WAKIL, DR. GHULAM MUSTAFA, NIDA SHABBIR, DR. BILAL BIN LIAQAT, DR. ANWAR ALI	Us Foreign Policy Toward South Asian States: Policy Recommendation For Future	Journal of Positive School Psychology	2023 Vol. 7 No. 2, 1290-1298	https://journalppw.com/index.php/jpsp/article/view/16117	4.29	X	2 nd Author Mandato ry

1726.	Kiran Rasool, Qamar Zaman Khan, Dr. Ghulam Mustafa	Pakistan Strategic Prospect with USA during PTI Government	Journal of Development and Social Sciences	2023 Vol. 4 No. 1, 359-368	https://ojs.jdss.org.pk/journal/article/view/633		Y	Corresponding Author
1727.	GHAZANFAR ALI, DR. GHULAM MUSTAFA, SAMIYA ASHRAF	Russia-Ukraine War: Economic Implications for Pakistan	Orient Research Journal of Social Sciences	2023 Vol. 8 No. 2, 22-31	https://ojs-orjss.gcwus.edu.pk/journal/article/view/23		Y	Corresponding Author
1728.	MARYAM AZAM, ASAD ALI AKRAM, DR. GHULAM MUSTAFA	Kashmir Issue During Modi Era: A Comparative Analysis of Pakistan's and Indian Print Media	Journal of Politics and International Studies	2023 Vol. 9 No. 2, 121-137	http://pu.edu.pk/home/journal/45		Y	Corresponding Author
1729.	MUHAMMAD SHAHRUKH, DR. GHULAM MUSTAFA, OSAMA SHAROON	Governance and Development: A Comparative Analysis of Administrative Models of Germany's Hamburg State and Pakistan's Punjab Province	Journal of Development and Social Sciences	2023 Vol. 4 No. 1, 377-394	https://ojs.jdss.org.pk/journal/article/view/635		Y	Corresponding Author
1730.	JAZAB-UR- REHMAN, SARFRAZ NAWAZ, GHULAM MUSTAFA	Embargo and Engagement: Assessing the Landscape of US- Cuba Relations	Research Journal for Societal Issues	2023 VOL. 5 NO. 3, 114-130	https://rjsi.org.pk/index.php/Research/article/view/141		Y	Corresponding Author
1731.	SAMIYA ASHRAF, DR. GHULAM MUSTAFA, GHAZANFAR ALI	Pakistan's National Security Policy: An Analysis	Annals of Human and Social Sciences	2023 Vol. 4 No. 3, 167-176	https://ojs.ahss.org.pk/journal/article/view/330		Y	Corresponding Author

1732.	TOOBA AHMAD, DR. ANWAR ALI, DR. GHULAM MUSTAFA, ASAD ALI AKRAM, ISRAR RASOOL	POLITICAL PARTICIPATION OF CHRISTIAN MINORITY IN PAKISTAN: A CASE STUDY OF SINDH PROVINCE	RUSSIAN LAW JOURNAL	2023 Vol. 11 No. 3, 1977-1989	https://www.russianlawjournal.org/index.php/journal/article/view/3038	0.239	X	Corresponding Author
1733.	DR. SHAMILA TABSSUM, DR. GHULAM MUSTAFA, DR. UZMA NIAZ, DR. SADAF MAHMOOD, DR. MUHAMMAD SHABBIR	Historical Narration Of Federalism In Pakistan	Journal of Positive School Psychology	2023 Vol. 7 No. 1, 1727-1741	https://journalppw.com/index.php/jpsp/article/view/16384	4.29	X	Corresponding Author
1734.	DR. SHAMILA TABSSUM, DR. GHULAM MUSTAFA, DR. BILAL BIN LIAQAT, MEHWISH ASLAM, BASHIR HUSSAIN SHAH	Ethnicity In Baloch Community, Problematic Element Of National Integration In Pakistan: A Tism Analysis	Journal of Positive School Psychology	2023 Vol. 7 No. 4, 490-497	https://journalppw.com/index.php/jpsp/article/view/16374	4.29	X	Corresponding Author
1735.	OSAMA SHAROON, DR. GHULAM MUSTAFA, BASHIR HUSSAIN SHAH	Sino-US Relations in Context of the Asia-Pacific Region	Journal of Development and Social Sciences	2023 Vol. 4 No. 2, 504-514	https://ojs.jdss.org.pk/journal/article/view/490		Y	Corresponding Author
1736.	DR. GHULAM MUSTAFA, DR. UNSA JAMSHED, SARFRAZ NAWAZ, MUHAMMAD	Peace: A Conceptual Understanding	Journal of Positive School Psychology	2023 Vol. 7 No. 4 853-863	https://journalppw.com/index.php/jpsp/article/view/16453	4.29	X	1 st author

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1737.	TOOBA AHMAD, UMER YAQOOB, DR. IMRAN KHAN, ABDUL WAHEED, DR. GHULAM MUSTAFA	Pakistan's Foreign Policy Towards The Islamic World: An Analysis	Journal of Positive School Psychology	2023 Vol. 7 No. 1 1755-1763	https://journalppw.com/index.php/jpsp/article/view/16429	4.29	X	Corresponding Author
1738.	TOOBA AHMAD, TAYBA ANWAR, DR. GHULAM MUSTAFA, SARFRAZ NAWAZ, MEHWISH ASLAM	Christian Participation In Politics: A Case Study Of Punjab In Pakistan	Journal of Positive School Psychology	2023 Vol. 7 No. 2 1416-1428	https://journalppw.com/index.php/jpsp/article/view/16451	4.29	X	Corresponding Author
1739.	SHAMILA TABSSUM, MEHWISH ASLAM, GHULAM MUSTAFA	Nation and National Integration: Conceptual Perception	Global Social Sciences Review	2023 Vol. 8, No. 1, 322-329	https://gssrjournal.com/article/nation-and-national-integration-conceptual-perception		Y	Corresponding Author
1740.	DR. SHAMILA TABSSUM, MARYAM ALI, DR. GHULAM MUSTAFA	Interpretive Structural Model (ISM) based Analysis of Issues of National Integration in Pakistan A Case Study of Balochistan	Pakistan Languages and Humanities Review	2023 Vol. 7 No. 2, 478-490	https://ojs.plhr.org.pk/journal/article/view/449		Y	Corresponding Author
1741.	DR. ROBINA KHAN , ISRAR RASOOL , UMME LAILA , ABDUL WAHEED , DR. GHULAM MUSTAFA	Deterrence Stability In Nuclear South Asia: Issues And Complexities	Journal of Positive School Psychology	2023 Vol. 7 No. 3 443-458	https://journalppw.com/index.php/jpsp/article/view/16115	4.29	X	Corresponding Author

1742.	BILAL BIN LIAQAT, GHULAM MUSTAFA, TOOBA AHMAD	ROLE OF CHINA AGAINST THE NON- TRADITIONAL SECURITY THREATS TO SOUTH ASIA IN THE 21st CENTURY	Research Journal of Social Sciences	2023 Vol. 20 No. 20 65-78	https://sujo.usindh.edu.pk/index.php/RJSS/article/view/6134		Y	Corresponding Author
1743.	KIRAN RASOOL, DR.BILAL BIN LIAQAT, DR. ANWARALI, ASADALI AKRAM, DR. GHULAM MUSTAFA	EXPLORING THE DYNAMICS OF PAKISTAN-RUSSIA RELATIONS DURING PTI GOVERNMENT	Russian Law Journal	2023 Vol. 11 No. 4 1217-1224	https://www.russianlawjournal.org/index.php/journal/article/view/3357	0.239	X	Corresponding Author
1744.	IMRAN WAKIL, GHULAM MUSTAFA, MUHAMMAD AFRAZ ANSAR KHAN	Implications of Drone Strikes on Pakistan during USA War on Terror: An Analysis	Global Strategic & Security Studies Review (GSSSR)	2023 Vol. 8, No.1 16-21	https://www.gsssrjournal.com/article/implications-of-drone-strikes-on-pakistan-during-usa-war-on-terror-an-analysis		Y	Corresponding Author
1745.	Mehwish Aslam, Abdul Waheed, Dr. Ghulam Mustafa	US Factor in Sino- Indian Relations: An Analysis	Pakistan Languages and Humanities Review	2023 Vol. 7 No. 1,255-266	https://ojs.plhr.org.pk/journal/article/view/385		Y	Corresponding Author
1746.	RIAZ-UL-HISSAN, LIAQAT ALI WASEEM , HAMZA SHAFIQ, MUHAMMAD SHAHIDMAQBOL, MUHAMMAD WAQEE UR REHAMAN, MUHAMMAD	2023	Spatiotemporal dynamics of agricultural drought and food insecurity in Asia	Journal of Positive School Psychology 2023, Vol. 7, Issue 2 Pp 89-103	https://spe-jpsp.com/wp-content/uploads/2023-2-10-1.pdf	X	Journal of Positive School Psychology 2023,	

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1747.	MUHAMMAD UMER QUDDOOS1 FAHEEM AHMAD KHAN MUHAMMAD ADEEL LIAQAT ALI WASEEM4 ARSLAN AHMAD SIDDIQI5	2023	Demystifying the path from ethical leadership style to creative performance of outbound salespeople within the pharmaceutical selling context	Journal of Jilin University (Engineering and Technology Edition) Vol: 42 Issue: 12 - 202 3	https://zenodo.org/records/10432108	X	Journa l of Jilin Univer sity (Engin eering and Techn ology Edition) Vol: 42 Issue: 12 - 202 3	
1748.	Ali Raza and Dr. Majid Mushtaq	2023	ایاز محمود ایاز کینعت گوئی تنقیدیں جائزہ و تحقیق:	Harf-o-Sukhan	https://harf-o-sukhan.com/index.php/Harf-o-sukhan/article/view/974/942	Y	7(3), 651- 662.	
1749.	Dr.MajidMushtaq, HamzaMehboob,Al i Raza	2023	سلیم بیٹا بکی غزل: مناظر فطرت اور استعارات پر گ	Harf-o-Sukhan	https://harf-o-sukhan.com/index.php/Harf-o-sukhan/article/view/835	y	7(3), 208- 214	
1750.	ڈاکٹر ماجد مشتاق, علیرضا، ڈاکٹر سمیع اللہ	2023	اردو شاعری کے تین منظوم انگریز یتراجم: تعارف و تجزیہ	Harf-O-Sukhan	https://harf-o-sukhan.com/index.php/Harf-o-sukhan/article/view/951	Y	7(4), 50-55	

1751.	Dr Majid Mushtaq, Dr. Shoaib aMoeed, Dr. Sami Ullah	2023	آنسمینکیشاعریک فکر پیلو تجزیاتیمطالعہ :	<i>Jahan e Tehqeeq</i>	https://jahan-e-tahqeeq.com/index.php/jahan-e-tahqeeq/article/view/1011	Y	6(4), 123-132	
1752.	Majid Mushtaq, Dr. Sami ullah, & Hamza Mehboob	2023	سلیم بیتا بکینظمونمینترقیہ سند عناصر	<i>Tahqeed</i>	https://tahqeed.pk/index.php/tahqeed/article/view/103	Y	4(2), 11-21	
1753.	Mushtaq, D. M., Hussain, D. M., & Raza, A.	2023	اُردو حمدیہ شاعری میں منفرد جربہ تجزیاتیمطالعہ: ”ریکائنات“	<i>Journal of Urdu Literature and Indigenous Languages (JULIL),</i>	https://julil.org/index.php/Journal/article/view/1	Y	2(2), 1-11.	
1754.	Majid Mushtaq,	2023	Parbala: An Important Dramatic Character	<i>Bazyaft</i>	http://journals.pu.edu.pk/journals/index.php/Bazyaft/article/view/7417	Y	43(1), 151-159.	
1755.	Dr. Majid Mushtaq, Muhammad Zohaib, Muhammad Nauman	2023	اردو تذکرہ نویس اور شخصیت آباد:	<i>Taşdıq</i>	https://doi.org/10.56276/f9k3rs30	Y	5(2), 84-90.	
1756.	Majid Mushtaq and Sami Ullah	2023	An Introduction And Critical Analysis Of Novel Sikandar Namah	<i>Oriental College Magazine</i>	http://ocm.pu.edu.pk/website/journal/article/658ea238a6957/page	Y	98(4), 43-54.	
1757.	Dr. Salma Sadiqi, & Dr. Majid Mushtaq.	2023	ناصر کاظمیکیشاعری میں آس مانکیمعنویت	<i>Tahqeed</i>	https://tahqeed.pk/index.php/tahqeed/article/view/88	Y	4(01), 262–271.	

1758.	Khurram Bukhari, Dr.MamunaSubhani	The Relationship Between Fiction And Film: Research And Critical Perspective	Dareecha-e-Tahqeeq& 2790-9972	April 2023,Vol. 4,1 pg# 85-90	https://doi.org/10.58760/dareechaetahqeeq.v4i1.108	5.857	Y	Corresponding
1759.	Dr. MamunaSubhani	The role of media for promotion of Urdu language & culture	al-Hamd&2415-4032	June 2023,Vol. 19 pg# 95-102	http://alhamd.aiu.edu.pk/wp-content/uploads/2023/08/Complete-19-001.pdf		Y	1 st
1760.	Dr. MamunaSubhani, Ali Hassan	“Pakistan Times” in context of its first edition	Idrak& 2709-4413	June 2023,Vol.19, 19 pg#20-29	https://idrak.hu.edu.pk/web-site/journal/article/64960b640aab9/file/64a820ddb0788/view		Y	1 st
1761.	Qasim Ali, Dr. MamunaSubhani	Research Review of Dr. Waheed-ur-Rahman Khan’s Humorous Writing in the Humorous Tradition of Urdu	Tuseeq&2790-928X	June 2023,Vol. 4,1, pg#24-39	https://doi.org/10.37605/tuseeq.v4i1.42		Y	Corresponding
1762.	Khurram Bukhari, Dr.MamunaSubhani	Initiation and Evolution of Urdu Fiction and Pakistani Cinema	TahqeeqiJareeda&2616-9681	June 2023,Vol. 7,1, pg# 71-82	https://ojs.gcwus.edu.pk/index.php/tj/article/view/400/248		Y	Corresponding
1763.	SairaSaifUllah, Dr.MamunaSubhani	Character of Beggar in Ali Abbas Hussaini's Fiction	Mkhaz&2709-9644	Sep 2023,Vol. 4,3, pg#11-18	https://doi.org/10.47205/makhz.2023(4-III)urdu-02		Y	Corresponding
1764.	Khurram Bukhari, Dr.MamunaSubhani	Film songs of Ghazal poets	Shnakhat& 2709-7641	Sep 2023,Vol.2,3, pg# 188-208	https://shnakhat.com/index.php/shnakhat/article/view/194		Y	Corresponding
1765.	Dr.MamunaSubhani	Mustansar Hussain Tarar’s	Guman& 2709-4162	Sep 2023,Vol. 2,3, pg# 172-177	https://guman.com.pk/index.php/GUMAN/article/view/628		Y	1 st

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1766.	Zahid Majeed, Dr. Mamuna Subhani , Kashfa Begum	Nazir Akbarabadi's Poetry: An Analytical Study	Mkhaz&2709-9644	Sep 2023, Vol. 4,3, pg# 72-79	https://doi.org/10.47205/makhz.2023(4-III)urdu-07		Y	Corresponding
1767.	Dr. Mamuna Subhani	Feminist Study of Khas-o-Khashak Zamany	Idrak& 2709-4413	Dec 2023, Vol. 20,20, pg # 48-52	https://idrak.hu.edu.pk/website/journal/article/6587f7dc287ac/file/65895b5b5b90a/view		Y	1 st
1768.	Khurram Bukhari, Dr. Mamuna Subhani	Presentation of international fiction in film	JOR&1816-3424	Dec 2023, Vol. 39,2, pg# 125-152	https://jorurdu.bzu.edu.pk/website/journal/article/658de9ce98b46/page		Y	Corresponding
1769.	Kashfa Begum, Dr. Mamuna Subhani	Urdu Research (Meaning, Scope and Tradition)	Noor e Tahqeeq&2519-6618	Dec 2023, Vol. 7,4, pg# 85-96	https://ojs.lgu.edu.pk/index.php/nooretahqeeq/article/view/2081/1378		Y	Corresponding
1770.	Dr. Sumaira Akbar Dr. Abdul Aziz Malik Dr. Rabia Sarfraz	2023	صفدر زیدی کے ناول "بنت دابر" کا تجزیاتی مطالعہ	Tauseeq	https://journals.wumardan.edu.pk/issue_detail.php?issue_id=53&vol=04&journal_id=6	Y	Vol:04 Issue:02 P:119-134	
1771.	Dr. Abdul Aziz Dr. Sumaira Akbar Dr. Rabia Sarfraz	2023	جدیدیت کا تجزیاتی مطالعہ	Idrak	https://idrak.hu.edu.pk/website/journal/article/64960b0a2c1f9/page	Y	Vol:19 Issue:01 P:1-12	
1772.	Dr. Sumaira Akbar Dr. Abdul Aziz Malik Dr. Rabia Sarfraz	2023	اردو زبان و ادب کی ترویج میں ریڈیو پاکستان کا کردار	Noor e Tahqeeq	https://ojs.lgu.edu.pk/index.php/nooretahqeeq/article/view/2021	y	Vol:07 Issue:03	

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1773.	Dr. Sumaira Akbar Dr. RabiaSarfraz Dr. Abdul Aziz Malik	2023	سیلما لا گرلوو: پہلی نوبیل انعام یافتہ ادیبہ	Matan	https://matan.iub.edu.pk/website/journal/article/649efd1f5ed79/page	Y	Vol:04 Issue:01 P:236-245	
1774.	Dr. Abdul Aziz Malik Dr. Sumaira Akbar Dr. RabiaSarfraz	2023	ڈاکٹر وزیر آغا: امتزاجی تنقید کا نمائندہ نقاد	Journal of Research Urdu	https://jorurdu.bzu.edu.pk/website/journal/article/649e8e56da5c2/page	Y	Vol:39 Issue:01 P:105-114	
1775.	Dr. RabiaSarfraz Dr. Sumaira Akbar Dr. Abdul Aziz Malik	2023	راشد کی نظم میں جدیدیت	Khayaban	http://ojs.uop.edu.pk/khayaban/article/view/911	Y	Vol:47 Issue:01 P:258-265	
1776.	Dr. RabiaSarfraz Dr. Sumaira Akbar Dr. Abdul Aziz Malik	2023	این میری شمل اور تصوف میں مسلم خواتین کا کردار	Tasdeeq	https://tasdeeq.riphahfsd.edu.pk/index.php/Tasdeeq/article/view/93	Y	Vol:05 Issue:01 P:89-95	
1777.	SohailAkram Dr. RabiaSarfraz	2023	مسلم یونیورسٹی علی گڑھ کے اساتذہ کی لسانیاتی خدمات کا موازنہ	Al-Qamar	https://alqamarjournal.com/index.php/alqamar/article/view/1331	Y	Vol:06 Issue:01 P:325-342	
1778.	Dr. RubinaYasmeen Dr. SumairaShafi	2023	لیپروسی کیمپ کی اسلامی	Al-Qamar	https://alqamarjournal.com/index.php/alqamar/article/view/1331	Y	Vol:06	

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1779.	Sohail Akram Dr. Rabia Sarfraz	2023	شعبہ اردو مسلم یونیورسٹی علی گڑھ کے اساتذہ کی لسانیاتی خدمات	Tahqeeqi Jareeda	https://ojs.gcwus.edu.pk/index.php/tj/article/view/408	Y	Vol:07 Issue: 01 P:161-178	
1780.	Sohail Akram Dr. Rabia Sarfraz	2023	لسانیات تمہیدی مباحث	Guman	https://guman.com.pk/index.php/GUMAN/article/view/684	Y	Vol:07 Issue: 01 P:161-178	
1781.	Dr. Robina Yaseen Dr. Afseenshoukat Dr. Rabia Sarfraz	2023	جگن ناتھ آزاد کی نظم "اردو" کا تحقیقی جائزہ	Tahqeed	https://tahqeed.pk/index.php/tahqeed/article/view/79	Y	Vol:04 Issue: 01 P:41-47	
1782.	Dr. Sumaira Akbar Dr. Rabia Sarfraz	2023	نیر مسعود کے افسانوی مجموعہ "طاؤس چمن کی مینا" کی وجودی قرات	Alhamd	https://alhamd.aiu.edu.pk/wp-content/uploads/2023/09/Complete-19-001.pdf	Y	Vol:20 Issue: 02 P:52-61	
1783.	Dr Riaz Ahmad Riaz Dr Abdul Aziz Malik	2023	احمد بشیر کی مضمون نگاری	Gohar-e-Tahqeeq	https://arss.gscwu.edu.pk/index.php/gohar-e-tahqeeq/article/view/110	y	Vol:2 Issue: 02	
1784.	Dr. Sumaira Akbar Muhammad Ijaz	2023	سعود عثمانی بحیثیت سفر نامہ نگار	Tahqeed	https://tahqeed.pk/index.php/tahqeed/article/view/99	Y	Vol:04	

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1785.	HafizaAsfa Maryam Dr. Sumaira Akbar	2023	حامد یزدانی کے افسانوں کا موضوعاتی مطالعہ	Jahan-i-Tahqeeq	https://jahan-e-tahqeeq.com/index.php/jahan-e-tahqeeq/article/view/1036	Y	Vol:0 6 Issue: 04 P:157 -162	
1786.	BushraShaheen Dr. Sumaira Akbar	2023	رضا علی عابدی بحیثیت بچوں کے ادیب(شعری درسی کتب کے خصوصی تناظر میں)	Harf-o-Sukhan	https://harf-o-sukhan.com/index.php/Harf-o-sukhan/article/view/969	Y	Vol:0 7 Issue: 04 P:72- 78	
1787.	ZahidHussain Dr. Sumaira Akbar	2023	ناول "محمد بن قاسم" از نسیم حجازی نوتاریخی قرات	Khayaban	http://ojs.uop.edu.pk/khayaban/article/view/967	Y	Vol:4 8 Issue: 02 P:258 -265	
1788.	Muhammad Ijaz Dr. Sumaira Akbar	2023	سعود عثمانی بحیثیت مترجم	Tasdeeq	https://tasdeeq.riphahfsd.edu.pk/index.php/Tasdeeq/article/view/118	Y	Vol:0 5 Issue: 02 P:113 -124	
1789.	IqraAmanUllah Dr. Sumaira Akbar	2023	کلاسیکی اردو غزل میں فوبیا کے عناصر	Jahan-i-Tahqeeq	https://jahan-e-tahqeeq.com/index.php/jahan-e-tahqeeq/article/view/1037	Y	Vol:0 6 Issue: 03 P:158 -167	

1790.	Muhammad Naveed Dr. Sumaira Akbar	2023	ولی دکنی کی غزلیات میں ردیف کے تجربات	Zaban-o-Adab	https://zabanoadab.gcuf.edu.pk/index.php/1/article/view/132	Y	Vol:3 2 Issue: 01 P:	
1791.	Muhammad TaimoorAdil Dr. Sumaira Akbar	2023	دلاور علی انر کی نعت میں استعارے اور علامت	Guman	https://guman.com.pk/index.php/GUMAN/article/view/683	Y	Vol:0 7 Issue: 01 P:28- 35	
1792.	Dr.Saimalqbal Aamir Abbas Khan Muhammad Saad	Jan-Jun 2023	عبید اللہ بیگ کے ناول 'اور انسان زندہ ہے' کا فنی جائزہ	تصدیق	https://tasdeeq.riphahfsd.edu.pk/index.php/Tasdeeq/article/view/95/100	Y	v.5 N.1	105-133
1793.	Dr.Saimalqbal Dr. ParveenAkhtar ShumailaMushtaq Ahmad	Oct-Dec 2023	مولانا ظفر علی خان کی نظم پر مذہبی اثرات	ماخذ	https://ojs.makhz.org.pk/journal/article/view/156	Y	V.4 N.4	211-228
1794.	Dr.Saimalqbal Dr. ParveenAkhtar Ayesha Mujeed	Oct-Dec 2023	خرم سہیل بہ حیثیت مترجم	حرف و سخن	https://harf-o-sukhan.com/index.php/Harf-o-sukhan/article/view/942	Y	v.7 N.4	19-34
1795.	Dr.Saimalqbal Dr. ParveenAkhtar Ayesha Mujeed	Oct-Dec 2023	خرم سہیل بحیثیت محقق اور نقاد	جہان تحقیق	https://jahan-e-tahqeeq.com/index.php/jahan-e-tahqeeq/article/view/982	Y	v.6 N.4	56-73
1796.	Dr.Saimalqbal ZikriaArif Muhammad Saad	Jan-Jun 2023	نثار عزیز بٹ کے ناول 'نگری نگری پھرا مسافر' 'میں معاشرتی مسائل کا تنقیدی جائزہ	تحقید	https://tahqeed.pk/index.php/tahqeed/article/view/72/127	Y	v.4 N.1	107-131
1797.	Dr.Saimalqbal Dr. ParveenAkhtar	Jul-Dec 2023	پاولو کونیلو کے ناولوں کا تجزیاتی مطالعہ(اردو)	تصدیق	https://tasdeeq.riphahfsd.edu.pk/index.php/Tasdeeq/a	Y	V.5 N.2	136-147

	Iman Zahra		تراجم کے تناظر میں)		rticle/view/120			
1798.	Dr.Saimalqbal ShumailaMushtaq Ahmad Dr. ParveenAkhtar	Jul-Sep 2023	اقبال کی نظم پر مذاہب عالم کے اثرات	القمر	https://alqamarjournal.com/index.php/alqamar/article/view/1379/869	Y	V.6 N.3	97-106
1799.	Dr.Saimalqbal Dr. ParveenAkhtarKallu RaziaBarkat	Jul-Sep 2023	رتن ناتھ سرشار کے ناولوں میں معاشی تصورات	حرف و سخن	https://harf-o-sukhan.com/index.php/Harf-o-sukhan/article/view/917/885	Y	v.7 N.3	613-623
1800.	1.Dr. IrfanTauheed/ 2.Dr. Saimalqbal/ 3.Ghulam Mustafa	Jan- Jun 2023	میاں منظور احمد وٹو کی آپ بیتی ”جرم سیاست“ کا سیاسی و سماجی مطالعہ	مثن (اردو ریسرچ جرنل)	https://matan.iub.edu.pk/webside/journal/article/649ed08956233/page	Y	Vol.4 No.1	378-388
1801.	DrHajanSumairaSyeda Dr. ParveenAkhtarKallu Dr.Saimalqbal	Apr- Jun 2023	برصغیر پاک و ہند کی مثنویات میں نسائی معاشرت کی عکاسی : مومن خان مومن کا خصوصی مطالعہ	a القمر	https://alqamarjournal.com/index.php/alqamar/article/view/635	Y	v.6 No. 2	25.35
1802.	Dr. ParveenAkhtarDr.Saimalqbal ShumailaMushtaq Ahmad	Oct-Dec 2023	مدوجزر اسلام ' پر مذہبی اثرات	Guman	https://guman.com.pk/index.php/GUMAN/article/view/640	Y	v.6 N-4	119-104

1803.	Dr. ParveenAkhtarDr.Saimalqbal Ayesha Mujeed	Jul-Sep 2023	خرم سہیل کی شخصیت اور ادبی کارنامے	جہان تحقیق	https://jahan-e-tahqeeq.com/index.php/jahan-e-tahqeeq/article/view/952	Y	v.6 N.3	310-298
1804.	SyedaTayybaRubab Dr. ParveenAkhtarDr.Saimalqbal	Jul-Sep 2023	فیض کی نظم نگاری: دستِ صبا اور زنداں نامہ کے حوالے سے	الخدم ریسرچ جرنل	https://arjicc.com/index.php/arjicc/article/view/258	Y	v.4 N.3	
1805.	SyedaTayybaRubab Dr.Saimalqbal Dr. ParveenAkhtar	Jul-Sep 2023	اقبال کا مرد مومن اور اکیسویں صدی	الاعجاز ریسرچ جرنل	https://arjish.com/index.php/arjish/article/view/613	Y	v.7 N.3	17-28
1806.	Dr.RubinaYasmee m Dr.Saimalqbal Dr.ParveenAkhtarKullu	Apr- Jun 2023	اسلام میں ماں کا مرتبہ احسان دانش کی نظم "گورستان" کا مطالعہ	القمر	https://alqamarjournal.com/index.php/alqamar/article/view/1326/832	Y	V.6 N.2	333-345
1807.	Hafiz Shafat Ali Sajjad, Dr.YasirArfat	2023	بعثت ودعوت حق کے متعلق روایات مسند ابویعلیٰ : سیرت نبویہ کے تناظر میں تجزیاتی مطالعہ	Al-Mahdi Research Journal	https://ojs.mrj.com.pk/index.php/MRJ/article/view/90	Y	05,01 ,49- 75	
1808.	SayyedSadaqat Ali Shah Bukhari, Yasir Arfat(CA)	2023	شرح حدیث میں شیخ محمی الدین ابن عربی رحمۃ اللہ علیہ کے منہج و اسلوب کا تجزیاتی مطالعہ	Peshawar Islamicus	http://ojs.uopisl.pk/index.php/peshawarislamicus/article/view/108	Y	14,01 ,46- 59	
1809.	Qari Aziz Haider,Dr.YasirArfat (CA)	2023	پیر سید مہر علی شاہ کی علم حدیث میں	Nuqtah Journal	http://nuqtahjts.com/index.php/njts/article/view/117/56	Y	03,01, 87- 103	

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1810.	Imran Saleem,Dr. Yasir Arfat (CA)	2023	رتن بندی کا دعویٰ صحابیت : مولانا عبدالعزیز پرہاروی کی آراء مطالعہ و جائزہ	Tahdhib al Afkar	https://tahdhibalafkar.com/Current-Issue.html	Y	10,01,63-75	
1811.	Syed Sadaqat Ali Shah Bukhari,Dr. Yasir Arfat(CA)	2023	فن حدیث میں متصوفین کی مساعی جمیلہ	Al-Wifaq	https://alwifaqjournal.com/article/view/135	Y	06,02,1-17	
1812.	RehanaKouser Dr. ParveenAkhterKullu	Oct-Dec 2023	ڈپٹی نذیر احمد کے ناولوں میں فلسفہ اخلاق	دریچہ تحقیق	https://dareechaetahqeeq.com/index.php/Dareecha-e-Tahqeeq/article/view/130/129	Y	V.4 N.3	1-8
1813.	Dr.MuhammadShahbaz Dr.ParveenAkhtarKullu Muhsanul Islam	Oct-Dec 2023	اسلوب کے بنیادی مباحث کا تخصیصی مطالعہ	شناخت	file:///C:/Users/Admin/Downloads/Dr.Parveen%20Article%20in%20Shnakhat%20.pdf	Y	v.2 N.4	188-205
1814.	Dr.MuhammadShahbaz Dr.ParveenAkhtarKullu ShaziaRaheem	Oct-Dec 2023	انگریزی ادب میں طنز و مزاح کی روایت (تنقیدی و تحقیقی جائزہ	گمان	https://guman.com.pk/index.php/GUMAN/article/view/674	Y	V.6 N.4	391-404
1815.	ShahzadaMuntazir Mehdi Dr.ParveenAkhtarKullu	Apr- Jun 2023	صبا اکبر آبادی کا مختصر تعارف اور مرثیہ نگاری	دریچہ تحقیق	https://dareechaetahqeeq.com/index.php/Dareecha-e-Tahqeeq/article/view/120/120	Y	V.4 N.2	59-69
1816.	Anam Nawaz Dr. Saeed Ahmad	2023	فرانیڈ کے نظریہ ٹوٹم اور ٹیبو کا تعارف۔ بنیادی مباحث	Tahqeed	https://tahqeed.pk/index.php/tahqeed/article/view/94	Y	Vol:04 Issue: 02 P:1-10	
1817.	ShaharBanoZafar Dr. Saeed Ahmad	2023	غالب کا طیفِ تمنا	Khayaban	http://ojs.uop.edu.pk/khayaban/article/view/914	Y	Vol:48 Issue: 01	

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1818.	RahatNasreen Dr. Saeed Ahmad	2023	رثائی تلمیحات کے مذہبی شاعری پر اثرات	Rekhta		Y	Vol:02 Issue: 010 P:	
1819.	Muhammad Hafeez Dr. Saeed Ahmad	2023	مخزن اخلاق۔ اقوال۔ حکمت اور حکایات دانش کا خزانہ	Journal of research Urdu	https://jorurdu.bzu.edu.pk/website/journal/article/649c4528474f3/page	Y	Vol:39 Issue: 01 P:13-26	
1820.	Muhammad Hafeez Dr. Saeed Ahmad	2023	اردو کا پہلا مکتوبی افسانہ نگار	Tahqeed	https://tahqeed.pk/index.php/tahqeed/article/view/79	Y	Vol:04 Issue: 01 P:41-47	
1821.	RahatNasreen Dr. Saeed Ahmad	2023	اردو شاعری میں اساطیری تلمیحات	Alhamd	https://alhamd.aiu.edu.pk/wp-content/uploads/2023/08/Complete-19-001.pdf	Y	Vol:19 Issue: 01 P:82-94	
1822.	Dr Abdus Salam Samar, Dr. Sami Ullah	Ilm ul Isnad as Attribute of Muslim Ummah and its Significance in the Current Scenario	Al-Hameed Islamic Studies Research Journal 2959-1759, 2959-1767	Vol. 2 No. 2 (2023): Sep 2023 Pg: 15-28	Vol. 2 No. 2 (2023): Sep 2023 Al-Hameed Islamic Studies Research Journal (jsakbar.edu.pk)		Y	2 nd
1823.	Dr. Majid Mushtaq, Dr. Shoaiba Moeed, Dr. Sami Ullah	آنس معین کی شاعری کے فکری پہلو: تجزیاتی مطالعہ	Jahan e Tehqeeq	Vol. 6, No. 4 (2023) Pg: 123-132	https://jahan-e-tahqeeq.com/index.php/jah		Y	3 rd

					an-e-tahqeeq			
1824.	Hafiza Ambreen Fatima, Sami Ullah	Analytical Study of the Relationship between Spirituality, Sufism, Muraqaba and Neuro-Linguistic Programming (NLP)	ABHATH (Research Journal of Islamic Studies) 2519-7932/ 2521-067X	July-September-2023 Vol-8, Issue:31 Pg: 17-29	Vol. 8 No. 31 (2023): July-Sep 2023 Islamic Studies Research Journal Abhāth (lgu.edu.pk)		Y	2 nd
1825.	Dr. Majid Mushtaq, Dr. Sami Ullah, Hamza Mehboob	Progressive Elements in Saleem Baitaab's Poems	Tahqeed 2789-6331 2789-4169	Vol. 4 No. 2 (2023) Pg: 11-22	سليم بيتايب کی نظم نمونہ تر قیاسد عناصر Tahqeed		Y	2 nd
1826.	Majid Mushtaq / Sami Ullah	AN INTRODUCTION AND CRITICAL ANALYSIS OF NOVEL SIKANDAR NAMAH	ORIENTAL COLLEGE MAGAZINE 1991-7007/ 2789-4657	Vol. 98, Issue: December 2023 Pg: 43-54	ORIENTAL COLLEGE MAGAZINE, Vol 98, Issue 4 (pu.edu.pk)		Y	2 nd
1827.	Dr. Majid Mushtaq, Dr. Sami Ullah, Ali Raza	اردو شاعری کے تین منظوم انگریزی تراجم: تعارف و تجزیہ	HARF-O-SUKHAN 2709-4030/ 2709-4022	Vol. 7 No.4 2023 Pg: 50-55	اردو شاعری کے تین منظوم انگریزی تراجم: تعارف و تجزیہ Harf-o-Sukhan		Y	2 nd
1828.	Dr. Sami Ullah/ Dr. Majid Mushtaq	Literary achievements of Iranian literary research organization Miras-e-Maktoob (From 1992 to 2022)	Zaban-o-Adab 2073-3674/ 1991-7813	Vol. 16 No. 1 (2023): Zaban o Adab (32) Pg: 164-192	Vol. 16 No. 1 (2023): Zaban o Adab (32) Zaban-o-Adab (gcuf.edu.pk)		Y	1 st
1829.	Dr Abdus Salam Samar, Dr. Sami Ullah	Ilm ul Isnad as Attribute of Muslim Ummah and its	Al-Hameed Islamic Studies Research Journal	Vol. 2 No. 2 (2023): Sep 2023 Pg: 15-28	Vol. 2 No. 2 (2023): Sep 2023 Al-Hameed Islamic Studies Research Journal		Y	2 nd

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1830.	Dr. Majid Mushtaq, Dr. Shoaiba Moeed, Dr. Sami Ullah	انس معین کی شاعری کے فکری پہلو: تجزیاتی مطالعہ	Jahan e Tehqeeq	Vol. 6, No. 4 (2023) Pg: 123-132	https://jahan-e-tahqeeq.com/index.php/jahan-e-tahqeeq		Y	3 rd
1831.	Hafiza Ambreen Fatima, Sami Ullah	Analytical Study of the Relationship between Spirituality, Sufism, Muraqaba and Neuro-Linguistic Programming (NLP)	ABHATH (Research Journal of Islamic Studies) 2519-7932/ 2521-067X	July-September-2023 Vol-8, Issue:31 Pg: 17-29	Vol. 8 No. 31 (2023): July-Sep 2023 Islamic Studies Research Journal Abhāth (lgu.edu.pk)		Y	2 nd
1832.	Dr. Majid Mushtaq, Dr. Sami Ullah, Hamza Mehboob	Progressive Elements in Saleem Baitaab's Poems	Tahqeed 2789-6331 2789-4169	Vol. 4 No. 2 (2023) Pg: 11-22	سليمبیتابی نظم نمینتر قییسند عناصر Tahqeed		Y	2 nd
1833.	Majid Mushtaq / Sami Ullah	AN INTRODUCTION AND CRITICAL ANALYSIS OF NOVEL SIKANDAR NAMA	ORIENTAL COLLEGE MAGAZINE 1991-7007/ 2789-4657	Vol. 98, Issue: December 2023 Pg: 43-54	ORIENTAL COLLEGE MAGAZINE, Vol 98, Issue 4 (pu.edu.pk)		Y	2 nd
1834.	Dr. Majid Mushtaq, Dr. Sami Ullah, Ali Raza	اردو شاعری کے تین منظوم انگریزی تراجم: تعارف و تجزیہ	HARF-O-SUKHAN 2709-4030/ 2709-4022	Vol. 7 No.4 2023 Pg: 50-55	اردو شاعر کے تین منظوم انگریزی تراجم Harf-o-Sukhan		Y	2 nd
1835.	Dr. Sami Ullah/ Dr. Majid Mushtaq	Literary achievements of Iranian literary research organization Miras-e-Maktoob	Zaban-o-Adab 2073-3674/ 1991-7813	Vol. 16 No. 1 (2023): Zaban o Adab (32) Pg: 164-192	Vol. 16 No. 1 (2023): Zaban o Adab (32) Zaban-o-Adab (gcuf.edu.pk)		Y	1 st

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1836.	MUHAMMAD AWAIS DR. MANSOOR AHMED	2023	HAZRAT SULTAN BAHOO'S PUNJABI POETRY AND CONCEPTS FOR INNER PURIFICATION, GLOBAL PEACE AND HARMONY	RUSSIAN LAW JOURNAL	https://russianlawjournal.org/index.php/journal/article/view/2635	X	Volume XI, Issue No. 3, page # 3089-3094	
1837.	Dr. Mansoor Ahmed Muhammad NumanTahir KhurramShahzad	2023	A HISTORICAL ANALYSIS OF MIAN FAZL-I-HUSAIN AND SIR CHHOTU RAM'S EDUCATIONAL CONTRIBUTIONS TOWARD MODERNIZING PUNJAB IN 20TH CENTURY	Journal of Policy Research	https://jprpk.com/index.php/jpr/article/view/342 A Historical Analysis of MianFazl-I-Husain and Sir Chhotu Ram's Educational Contributions Toward Modernizing Punjab in 20th Century (zenodo.org)	Y	Volume 9, Issue No. 2, page# 709-713	
1838.	Dr. Mansoor Ahmed Muhammad Ayaz Rafi Muhammad Husnain	2023	PIETY IN THE GOVERNANCE OF PAKISTAN: COUNCIL OF ISLAMIC IDEOLOGY AS ENVISIONED BY 1973 CONSTITUTION.	Social Evolution and History	https://socialevolutionandhistory.com/article/view/Abstract-23528.php DOI: 10.5281/zenodo.7827343	W	Volume 12, Issue No 02, page # 528-538	
1839.	Dr. Mansoor Ahmed,	2023	Encountering "Terrorism" through "Sufism":	Research Journal of Social Sciences &Economics Review	https://rjsr.org.pk/ojs/index.php/rjsr/article/view/624	Y	Volume 4, Issue	

	SundasSumaira Muhammad Husnain		Institutional Analysis of “The National Council for the Promotion of Sufism, Pakistan”				No. 3, page# 14-21	
1840.	Dr. Mansoor Ahmed KhurramShahzad Muhammad NumanTahir	2023	A Study of Power Struggle on Constitutional Amendments in the National Assembly of Pakistan between Bhutto Government and Opposition Parties	Journal of Educational Research and Social Sciences Review (JERSSR)	https://ojs.jerssr.org.pk/index.php/jerssr/article/view/234/128	Y	Volume 3, Issue No. 4	
1841.	FARKHANDA SHAHIDKHAN	2023	A CriticalExplorati on ofFear andLoathing inSelectedRoman ticFiction	Journal ofEnglishLanguage,LiteratureandEduc ation. LahoreGarrisonUniversityLahore	https://doi.org/10.54692/jelle.2023.0501155 https://jelle.lgu.edu.pk/index.php/jelle/article/view/155/110	Y	Vol. 4 Issue 3 pp69- 94	
1842.	FARKHANDA SHAHIDKHAN & DR. ASMAIQBA LQAZI	2023	LiquidModernity inShakespeare’sW orks: ACriticalReading	PAKISTANLANGUAGES ANDHUMANITIESREVIEW. OSRC	https://doi.org/10.47205/plhr.2023(7-I)07 https://ojs.plhr.org.pk/journal/article/view/354/258	Y	Vol. 7 No.1 pp68- 78	
1843.	FARKHANDA SHAHIDKHAN	2023	Aesthetics ofDeformities inSelected BritishRomanticFi ction	PakistanJournal ofMultidisciplinaryResearch. Universit y of Jhang	https://www.pjmr.org/pjmr/article/view/336	Y	Vol. 4 No.1 pp18- 33	
1844.	FARKHANDA SHAHIDKHAN	2023	(Re)constructing the Notion ofIdentity	LinguisticsandLiteratureReview. University ofManagement&Technology/UMT Lahore	https://doi.org/10.32350/llr.92.01 https://journals.umt.edu.pk/in	Y	Vol. 9 Issue. 2	

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1845.	FARKHANDAS HAHID KHAN' SAEEDANAZI R &ZAREE NSAHAR	2023	A Critical StudyofTopograp hiesand ThematicConcern sin Alcott's <i>LittleWomen</i> andMontgomery' s <i>AnneofGreen Gables</i>	PAKISTANLANGUAGES ANDHUMANITIESREVIEW. OSRC	https://ojs.plhr.org.pk/jo urnal/article/view/804/70 1 https://doi.org/10.47205 /plhr.2023(7-III)84	Y	Vol. 7 No.3 pp 975- 982	
1846.	FARKHANDA SHAHIDKHAN	2023	Liminality, borde r zones, and fracturedidentitie s: apostcolonialstu dy of N.ScottMomada y's <i>ThreePlays</i>	NewWriting. Taylor andFrancis/Routledge	https://doi.org/10.1080/ 14790726.202 2.2149809	W	Vol.2 0 Issue. 3 pp31 7- 329	
1847.	FARKHANDA SHAHIDKHAN	2023	Psychological Aberration, Obsession, and Horrorin Edgar Allan Poe'sSelectedWo rks	Pakistan Journal of American Studies Quaid-i-Azam University Islamabad	https://pjas.qau.edu.pk/in dex.php/pjas/article/view/ 165/78	Y	Vol. 41 Issue. 2 pp 70-86	
1848.	FARKHANDA SHAHIDKHAN	2023	PostcolonialSp ace andIdentity inAfricanAmer icanWomen	Agathos- AnInternationalReview of theHumanitiesand SocialSciences AlexandruIoanCuzaUniversityPress, Romania	https://www .agathos-international - review.com/issue14_2/1	Y	Vol.1 4 Issue. 2	

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1849.	FARKHANDA SHAHIDKHAN	2023	Demystifying Ecofeminism: An Analysis of Ann Pancake's <i>Strange as This Weather Has Been</i>	Hayatian Journal of Linguistics and Literature University of Gujrat	http://111.68.104.137/index.php/HJL/article/view/95/63	Y	Vol. 7 No.1 pp64-83	
1850.	FARKHANDA SHAHIDKHAN	2023	Inside the dark world: Women's trade and prostitution in Patricia McCormick's <i>Sold</i> and Awais Khan's <i>No Honour</i>	Women's Studies International Forum. Elsevier Ltd.	https://doi.org/10.1016/j.wsif.2023.102798	W	Vol. 100 102798	
1851.	FARKHANDA SHAHIDKHAN	2023	(Un)Doing Gender: Intersections of Publishing Industries, Young Adult Fiction and Movies	Journal of Social Sciences and Media Studies (JOS SAMS) Sindh Madresatul Islam University Karachi	http://jossams.smiu.edu.pk/jossams/index.php/JOSSAMS/article/view/293/97 https://doi.org/10.58921/jossams.07.02.0293	Y	Vol. 7 No.2 pp8-16	
1852.	SANA JILANI & FARKHANDA SHAHID KHAN* <i>*Corresponding author</i>	2023	SUBVERTING GENDERED NATIONALISM: A CRITICAL ANALYSIS OF WOMEN'S DEFIANCE IN SABA IMTIAZ'S <i>KARACHI</i> ,	THE WOMEN ANNUAL RESEARCH JOURNAL OF GENDER STUDIES University of Sindh, Jamshoro	https://sujo.usindh.edu.pk/index.php/THE-WOMEN/article/view/6942/4497	Y	Vol. 15 pp 99-114	

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1853.	FARKHANDA SHAHID KHAN	2023	Dynamics of Counter-Hegemony against Ethno-Cultural Coercion in AtiaAbawi's <i>The Secret Sky</i>	Research Journal of Language and Literary Studies University of Sargodha	https://rjls.su.edu.pk/article/270	Y	Vol. 3 Issue. 2 pp 145-165	
1854.	SAEEDANAZIR & FARKHAN DA SHAHID KHAN	2023	Human-Technology Symbiosis in Katie Williams' <i>Tell the Machine Good night</i>	JOURNAL OF DEVELOPMENT AND SOCIAL SCIENCES OSRC	https://ojs.jdss.org.pk/journal/article/view/943/886 https://doi.org/10.47205/jdss.2023(4-III)104	Y	Vol. 4 No.3 Pp 1105-1112	
1855.	TAYYIBA MARYAM & FARKHANDA SHAHID KHAN	2023	Gender Dichotomy and the Notion of Power in Shah's <i>Slum Child: A Foucauldian Discourse Analysis</i>	UOS Journal of Social Sciences & Humanities (UOSJSSH) University of Sargodha	https://uosjssh.su.edu.pk/article/90	Y	Vol. 7 Issue. 2 pp 13-22	
1856.	TANZEELA ARSHAAD,) DR. ABDUL QADIR MUSHTAQ, DR. HINA KHAN, DR. TAHIRA SARWAR,	EXPLORING SACRED SUFI PRACTICES FOR SPIRITUAL, MENTAL, AND PHYSICAL HEALING AT SUFI BARKAT ALI SHRINE IN FAISALABAD, PAKISTAN	RUSSIAN LAW JOURNAL	Volume XI (2023) Issue 1 page no.489	https://www.russianlawjournal.org/index.php/journal/issue/view/37	0	X	2 nd

1857.	AD HASSAN SAJANKA, DR. ABDUL QADIR MUSHTAQ, TANZEELA ARSHAAD, DR. TAHIRA SARWAR,	SUFI'S CONCEPT OF CLASSLESS STRUCTURE IN POLITICS OF DISTRICT CHINIOT: A CASE STUDY OF THE SHRINE OF JAMIA MUHAMMDI SHARIF	RUSSIAN LAW JOURNAL	Volume XI (2023) Issue,2 page no. 420	https://www.russianlawjournal.org/index.php/journal/article/view/3418	0	X	2 nd
1858.	AD HASSAN SAJANKA, DR. ABDUL QADIR MUSHTAQ, DR. NASIR AMIR, ZAHID ABBAS,	SOCIAL SERVICES OF SUFIS IN PUNJAB: A CASE STUDY OF HAZRAT MOLANA MUHAMMAD ZAKIR (DISTRICT CHINIOT)	RUSSIAN LAW JOURNAL	Volume XI (2023) Issue,3 page no. 1974	https://www.russianlawjournal.org/index.php/journal/article/view/3598	0	X	2 nd
1859.	Sadia Shaheen, Jamila Khurshid, Faiqa Kiran & Sehar Zulfiqar	Challenges for Online Learning in Higher Education: A Developing Country Perspective.	IGI Global	2023	Challenges for Online Learning in Higher Education: A Developing Country Perspective: Education Book Chapter IGI Global (igi-global.com)			3 rd
1860.	Usama javed iqbal Sabeen nadeem	2023	"Resisting The Irresistible: Suspended Self- Identity In Pakistani English Narratives On Tribal Sociopolitical Dynamics"	Bahria University Journal of Humanities and Social Sciences (BUJHSS)		Y CATE GORY	Vol:0 6, No. 2, December 2023 pp. 79- 92	
1861.	Hafiz Muhammad Azeem	Piercing the Veil of Ouster Clauses:	Current Trends in Law and Society	Volume 3, Number 1, 2023, Pages 32 - 43	https://doi.org/10.52131/ctl.2023.0301.0013		Y	2 nd

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