

List of Publication 2019

Sr. No.	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end
1	Saleem U., Latif N., Fatima A., Ahmad B.	Antithrombotic potential of ajwa dates and piper nigrum: In vitro & in vivo studies	2019	Pharmacologyonline	3		144	154
2	Ghafoor S., Mansha A., De Visser S.P.	Selective Hydrogen Atom Abstraction from Dihydroflavonol by a Nonheme Iron Center Is the Key Step in the Enzymatic Flavonol Synthesis and Avoids Byproducts	2019	Journal of the American Chemical Society	141	51	20278	20292
3	Ali S., Mehmood T., Bano K., Akram M., Khan M.I., Fatima T.	EFFICACY OF NILOTINIB IN PATIENTS WITH CHRONIC MYELOID LEUKEMIA	2019	Journal of University Medical and Dental College	10	4	1	4
4	Kashif M., Mehmood T., Bano K., Akram M., Khan M.I., Fatima T.	FREQUENCY OF REMISSION AFTER TREATMENT WITH HYPER CVAD PROTOCOL IN NEWLY DIAGNOSED PATIENTS OF ACUTE LYMPHOBLASTIC LEUKEMIA PRESENTING TO JINNAH HOSPITAL LAHORE	2019	Journal of University Medical and Dental College	10	4	16	20

5	Fatahi-Vajari A., Azimzadeh Z., Hussain M.	Nonlinear coupled axial-torsional vibration of single-walled carbon nanotubes using homotopy perturbation method	2019	Micro and Nano Letters	14	14	1366	1371
6	Abbas N., Awan M.B., Amer M., Ammar S.M., Sajjad U., Ali H.M., Zahra N., Hussain M., Badshah M.A., Jafry A.T.	Applications of nanofluids in photovoltaic thermal systems: A review of recent advances	2019	Physica A: Statistical Mechanics and its Applications	536			
7	Mao Q., Zhou Y., Yang Y., Zhang J., Liang L., Wang H., Luo S., Luo L., Jeyakumar P., Ok Y.S., Rizwan M.	Experimental and theoretical aspects of biochar-supported nanoscale zero-valent iron activating H2O2 for ciprofloxacin removal from aqueous solution	2019	Journal of Hazardous Materials	380			
8	Meng Y., Bari M.W.	Design Perceptions for 3D Printed Accessories of Digital Devices and Consumer-Based Brand Equity	2019	Frontiers in Psychology	10			
9	Ajmal M., Nadeem M., Imran M., Mushtaq Z., Ahmad M.H., Tayyab M., Khan M.K., Gulzar N.	Changes in fatty acids composition, antioxidant potential and induction period of UHT-treated tea whitener, milk and dairy drink	2019	Lipids in Health and Disease	18	1		

10	Saleem U., Raza Z., Anwar F., Chaudary Z., Ahmad B.	Systems pharmacology based approach to investigate the in-vivo therapeutic efficacy of Albizia lebbeck (L.) in experimental model of Parkinson's disease	2019	BMC Complementary and Alternative Medicine	19	1		
11	Iqbal A., Khan Z.A., Shahzad S.A., Ahmad Khan S., Raza Naqvi S.A., Bari A., Amjad H., Umar M.I.	Synthesis, modeling studies and evaluation of E-stilbene hydrazides as potent anticancer agents	2019	Journal of Molecular Structure	1197		271	281
12	Ni Z., Zhou X.-Y., Aslam S., Niu D.-K.	Characterization of Human Dosage-Sensitive Transcription Factor Genes	2019	Frontiers in Genetics	10			
13	Farooq M.A., Aquib M., Farooq A., Haleem Khan D., Joelle Maviah M.B., Sied Filli M., Kesse S., Boakye-Yiadom K.O., Mavlyanova R., Parveen A., Wang B.	Recent progress in nanotechnology-based novel drug delivery systems in designing of cisplatin for cancer therapy: an overview	2019	Artificial Cells, Nanomedicine and Biotechnology	47	1	1674	1692
14	Ahmad S., Wong K.Y., Zahid I., Hussain Z., K M.S., Sarfraz M.	Normalization and weighting methods for precise and standardized sustainability assessment: Recent practices in manufacturing	2019	IOP Conference Series: Materials Science and Engineering	670	1		

15	Ahmad M., Mahmood M.A., Siddique A.R.	Organisational skills in academic writing: A study on coherence and cohesion in Pakistani research abstracts	2019	Languages	4	4		
16	Tlili I., Waqas H., Almaneea A., Khan S.U., Imran M.	Activation energy and second order slip in bioconvection of oldroyd-B nanofluid over a stretching cylinder: A proposed mathematical model	2019	Processes	7	12		
17	Rashid S., Latif M.A., Hammouch Z., Chu Y.-M.	Fractional integral inequalities for strongly h-preinvex functions for a kth order differentiable functions	2019	Symmetry	11	12		
18	Rashid S., Jarad F., Noor M.A., Kalsoom H., Chu Y.-M.	Inequalities by means of generalized proportional fractional integral operators with respect to another function	2019	Mathematics	7	12		
19	Baig A.M., Sarwar T., Taj L., Bilal Y., Mazhar E., Elahi H.R., Iqbal M.M., Rasheed A., Maqbool Z., Hussain S.	Characterization of a reactive yellow-2 decolorizing zinc tolerant bacterial strain Pseudomonas sp. LT10 isolated from textile industry wastewater	2019	Asian Journal of Agriculture and Biology	7	4	482	490
20	Khan Q., Arif M., Raza M., Srivastava G., Tang H., ur Rehman S.	Some applications of a new integral operator in q-analog for multivalent functions	2019	Mathematics	7	12		

21	Yaqoob H., Akram N.A., Iftikhar S., Ashraf M., Khalid N., Sadiq M., Alyemeni M.N., Wijaya L., Ahmad P.	Seed pretreatment and foliar application of proline regulate morphological, physio-biochemical processes and activity of antioxidant enzymes in plants of two cultivars of quinoa (Chenopodium quinoa willd.)	2019	Plants	8	12		
22	Bashir A., Shehzad M.A., Hussain I., Rehmani M.I.A., Bhatti S.H.	Reservoir Inflow Prediction by Ensembling Wavelet and Bootstrap Techniques to Multiple Linear Regression Model	2019	Water Resources Management	33	15	5121	5136
23	Zaman Q., Zia K.M., Zuber M., Mabkhot Y.N., Almalki F., Hadda T.B.	A comprehensive review on synthesis, characterization, and applications of polydimethylsiloxane and copolymers	2019	International Journal of Plastics Technology	23	2	261	282
24	Noman M., Ishaq R., Bukhari S.A., Ahmed Z.M., Riazuddin S.	Delineation of homozygous variants associated with prelingual sensorineural hearing loss in Pakistani families	2019	Genes	10	12		
25	Amin M., Abbas M., Iqbal M.K., Ismail A.I.M., Baleanu D.	A fourth order non-polynomial quintic spline collocation technique for solving time fractional superdiffusion equations	2019	Advances in Difference Equations	2019	1		
26	Zhou R., Wang D., Siddiquei A.N., Anwar M.A., Hammad A., Asmi F., Ye Q., Nawaz M.A.	GMO/GMF on social media in China: Jagged landscape of information seeking and sharing behavior through a valence view	2019	International Journal of Environmental Research and Public Health	16	23		

27	Haider M.Z., Hussain S., Ramzani P.M.A., Iqbal M., Iqbal M., Shahzad T., Fatima M., Khan S.A., Khan I., Shahid M., Ibrahim M., Haq H.S.T.U., Mahmood F.	Bentonite and biochar mitigate pb toxicity in Pisum sativum by reducing plant oxidative stress and pb translocation	2019	Plants	8	12		
28	Saleemi A.S., Saeed M., Hussan M., Ur Rehman S., Hafeez M., Mahmood S., Sial M.A.Z.G., Lee S.-L.	Anomalous non-linear to linear shift in magnetoresistance of amorphous carbon films	2019	Crystals	9	12		
29	Khalid A., Naeem M.N., Agarwal P., Ghaffar A., Ullah Z., Jain S.	Numerical approximation for the solution of linear sixth order boundary value problems by cubic B-spline	2019	Advances in Difference Equations	2019	1		
30	Saleem M.H., Ali S., Seleiman M.F., Rizwan M., Rehman M., Akram N.A., Liu L., Alotaibi M., Al-Ashkar I., Mubushar M.	Assessing the correlations between different traits in copper- sensitive and copper-resistant varieties of jute (<i>Corchorus</i> <i>capsularis</i> L.)	2019	Plants	8	12		

31	Jameel A., Asif M., Hussain A., Hwang J., Bukhari M.H., Mubeen S., Kim I.	Improving patient behavioral consent through different service quality dimensions: Assessing the mediating role of patient satisfaction	2019	International Journal of Environmental Research and Public Health	16	23		
32	Mushtaq Z., Asghar N., Waheed M.	Comparative evaluation of detoxification strategies for sugarcane bagasse hydrolysate	2019	Journal of Animal and Plant Sciences	29	6	1775	1783
33	Irshad M.A., Shakoor M.B., Ali S., Nawaz R., Rizwan M.	Synthesis and Application of Titanium Dioxide Nanoparticles for Removal of Cadmium from Wastewater: Kinetic and Equilibrium Study	2019	Water, Air, and Soil Pollution	230	12		
34	Ashraf M.A., Asma H.F., Iqbal M.	Exogenous menadione sodium bisulfite mitigates specific ion toxicity and oxidative damage in salinity-stressed okra (<i>Abelmoschus esculentus</i> Moench)	2019	Acta Physiologiae Plantarum	41	12		
35	Ahsan M.T., Tahseen R., Ashraf A., Mahmood A., Najam-ul-haq M., Arslan M., Afzal M.	Effective plant-endophyte interplay can improve the cadmium hyperaccumulation in <i>Brachiaria mutica</i>	2019	World Journal of Microbiology and Biotechnology	35	12		

36	Manzoor M.F., Ahmad N., Aadil R.M., Rahaman A., Ahmed Z., Rehman A., Siddeeg A., Zeng X.-A., Manzoor A.	Impact of pulsed electric field on rheological, structural, and physicochemical properties of almond milk	2019	Journal of Food Process Engineering	42	8		
37	Afzaal M., Khan A.U., Saeed F., Ahmed A., Ahmad M.H., Maan A.A., Tufail T., Anjum F.M., Hussain S.	Functional exploration of free and encapsulated probiotic bacteria in yogurt and simulated gastrointestinal conditions	2019	Food Science and Nutrition	7	12	3931	3940
38	Ghaffar A., Toqeer I., Yaqoob M.Z., Alkanhal M.A.S., Khan Y., Naqvi Q.A.	Scattering and absorption characteristics of graphene coated metamaterial cylinder	2019	Results in Physics	15			
39	Riaz Rajoka M.S., Mehwish H.M., Fang H., Padhiar A.A., Zeng X., Khurshid M., He Z., Zhao L.	Characterization and anti-tumor activity of exopolysaccharide produced by Lactobacillus kefir isolated from Chinese kefir grains	2019	Journal of Functional Foods	63			
40	Ali A., Khalid I., Usman Minhas M., Barkat K., Khan I.U., Syed H.K., Umar A.	Preparation and in vitro evaluation of Chondroitin sulfate and carbopol based mucoadhesive controlled release polymeric composites of Loxoprofen using factorial design	2019	European Polymer Journal	121			

41	Javaid M.A., Zia K.M., Ilyas H.N., Sidra, Yaqub N., Bhatti I.A., Rehan M., Shoaib M., Bahadur A.	Influence of chitosan/1,4-butanediol blends on the thermal and surface behavior of polycaprolactone diol-based polyurethanes	2019	International Journal of Biological Macromolecules	141		1022	1034
42	Zulfiqar F., Navarro M., Ashraf M., Akram N.A., MunnÃ©-Bosch S.	Nanofertilizer use for sustainable agriculture: Advantages and limitations	2019	Plant Science	289			
43	Noman A., Hussain A., Adnan M., Khan M.I., Ashraf M.F., Zainab M., Khan K.A., Ghramh H.A., He S.	A novel MYB transcription factor CaPHL8 provide clues about evolution of pepper immunity againstsoil borne pathogen	2019	Microbial Pathogenesis	137			
44	Mahmood H., Moniruzzaman M., Iqbal T., Khan M.J.	Recent advances in the pretreatment of lignocellulosic biomass for biofuels and value-added products	2019	Current Opinion in Green and Sustainable Chemistry	20		18	24
45	Sarwar M., Saleem M.F., Ullah N., Ali S., Rizwan M., Shahid M.R., Alyemeni M.N., Alamri S.A., Ahmad P.	Role of mineral nutrition in alleviation of heat stress in cotton plants grown in glasshouse and field conditions	2019	Scientific Reports	9	1		

46	Ali Q., Ali S., Iqbal N., Javed M.T., Rizwan M., Khaliq R., Shahid S., Perveen R., Alamri S.A., Alyemeni M.N., Wijaya L., Ahmad P.	Alpha-tocopherol fertigation confers growth physio-biochemical and qualitative yield enhancement in field grown water deficit wheat (<i>Triticum aestivum</i> L.)	2019	Scientific Reports	9	1		
47	Khalid N., Abbas M., Iqbal M.K., Baleanu D.	A numerical algorithm based on modified extended B-spline functions for solving time-fractional diffusion wave equation involving reaction and damping terms	2019	Advances in Difference Equations	2019	1		
48	Wu S., Awan M.U., Mihai M.V., Noor M.A., Talib S.	Estimates of upper bound for a kth order differentiable functions involving Riemannâ€Liouville integrals via higher order strongly h-preinvex functions	2019	Journal of Inequalities and Applications	2019	1		
49	Laila U., Akram M., Shariati M.A., Hashmi A.M., Akhtar N., Tahir I.M., Ghauri A.O., Munir N., Riaz M., Akhter N., Shaheen G., Ullah Q., Zahid R., Ahmad S.	Role of medicinal plants in HIV/AIDS therapy	2019	Clinical and Experimental Pharmacology and Physiology	46	12	1063	1073

50	Raza H.A., Amir R.M., Ali A., Khalid Mahmood C., Saghir A., Ullah I., Amin H., Umber S., Shahzadi S.	Effects of malnutrition on farmwomen and their children in tehsil Sadiqabad, Punjab, Pakistan	2019	Pakistan Journal of Agricultural Sciences	56	4	1013	1019
51	Parvaiz A., Javed M.R., Mustafa G., Mehmood M.A., UI Qamar M.T., Pervaiz A., Joyia F.A.	Functional insights and molecular model analyses of thermotoga maritima xylanases reveal thermostability and complex evolutionary lineage	2019	Pakistan Journal of Agricultural Sciences	56	4	809	817
52	Amir M., Riaz M., Chang Y.F., Akhtar S., Nadeem H., Ahmad Z., Nadeem M.	Spread of antibiotic resistant escherichia coli from broiler to human populations	2019	Pakistan Journal of Agricultural Sciences	56	4	977	983
53	Ahmed I., Nasir S., Yousaf I., Ahmad B., Zafar S., Javaid A.	Plant extracts along with selective chemicals and Bacillus Thuringiensis Israelensis: A novel approach to tackle the problem of insecticidal resistance in mosquitoes	2019	Pakistan Journal of Agricultural Sciences	56	4	905	911
54	Nawaz M.A., Asif M., Asmi F., Nawaz A.	Willingness to consume genetically modified food in Chinese perspective	2019	Pakistan Journal of Agricultural Sciences	56	4	799	808
55	Iqbal S., Fakhar-e-Alam M., Atif M., Amin N., Alimgeer K.S., Ali A., Aqrab-ul-Ahmad, Hanif A., Aslam Farooq W.	Structural, morphological, antimicrobial, and in vitro photodynamic therapeutic assessments of novel Zn+2-substituted cobalt ferrite nanoparticles	2019	Results in Physics	15			

56	Ali A., Jacob J., Ashfaq A., Mahmood K., Ahmad S., Rehman U., Ahmad W., Amin N., Ikram S., Hussain S., Ali N., Khan M.A.	Effect of tin concentration on the structural, optical and thermoelectric properties of CZTS thin films grown by chemical solution method	2019	Ceramics International	45	17	22513	22516
57	Shafiq F., Iqbal M., Ali M., Ashraf M.A.	Seed Pre-treatment with Polyhydroxy Fullerene Nanoparticles Confer Salt Tolerance in Wheat Through Upregulation of H2O2 Neutralizing Enzymes and Phosphorus Uptake	2019	Journal of Soil Science and Plant Nutrition	19	4	734	742
58	Sharif A., Ouyang J., Yan Y., Raza A., Imran M.A., Abbasi Q.H.	Low-cost inkjet-printed RFID tag antenna design for remote healthcare applications	2019	IEEE Journal of Electromagnetics, RF and Microwaves in Medicine and Biology	3	4	261	268
59	Azeem M., Iqbal N., Mir R.A., Adeel S., Batool F., Khan A.A., Gul S.	Harnessing natural colorants from algal species for fabric dyeing: a sustainable eco-friendly approach for textile processing	2019	Journal of Applied Phycology	31	6	3941	3948
60	Irshad S., Khan I.U., Khalid S.H., Asghar S., Irfan M., Khalid I., Sabir N., Ali A., Khan A.N., Yousaf A.M., Hussain T., Shahzad Y.	Probing the effect of various lipids and polymer blends on clopidogrel encapsulated floating microcarriers	2019	DARU, Journal of Pharmaceutical Sciences	27	2	571	582

61	Ajaz M., Rehman A., Khan Z., Nisar M.A., Hussain S.	Degradation of azo dyes by <i>Alcaligenes aquatilis</i> 3c and its potential use in the wastewater treatment	2019	AMB Express	9	1		
62	Amin M., Abbas M., Iqbal M.K., Baleanu D.	Non-polynomial quintic spline for numerical solution of fourth-order time fractional partial differential equations	2019	Advances in Difference Equations	2019	1		
63	Park G., Parveen A., Kim J.-E., Cho K.H., Kim S.Y., Park B.J., Song Y.-J.	Spicatoside A derived from <i>Liriope platyphylla</i> root ethanol extract inhibits hepatitis E virus genotype 3 replication in vitro	2019	Scientific Reports	9	1		
64	Sadiq M., Akram N.A., Ashraf M., Al-Qurainy F., Ahmad P.	Alpha-Tocopherol-Induced Regulation of Growth and Metabolism in Plants Under Non-stress and Stress Conditions	2019	Journal of Plant Growth Regulation	38	4	1325	1340
65	Hussain H.A., Men S., Hussain S., Chen Y., Ali S., Zhang S., Zhang K., Li Y., Xu Q., Liao C., Wang L.	Interactive effects of drought and heat stresses on morpho-physiological attributes, yield, nutrient uptake and oxidative status in maize hybrids	2019	Scientific Reports	9	1		
66	Ghamkhar M., Naeem M.N., Imran M., Kamran M., Soutis C.	Vibration frequency analysis of three-layered cylinder shaped shell with effect of FGM central layer thickness	2019	Scientific Reports	9	1		

67	Tahir ul Qamar M., Maryam A., Muneer I., Xing F., Ashfaq U.A., Khan F.A., Anwar F., Geesi M.H., Khalid R.R., Rauf S.A., Siddiqi A.R.	Computational screening of medicinal plant phytochemicals to discover potent pan-serotype inhibitors against dengue virus	2019	Scientific Reports	9	1		
68	Sadiq N., Imran M., Fetecau C., Ahmed N.	Rotational motion of fractional Maxwell fluids in a circular duct due to a time-dependent couple	2019	Boundary Value Problems	2019	1		
69	Hussain I., Parveen A., Rasheed R., Ashraf M.A., Ibrahim M., Riaz S., Afzaal Z., Iqbal M.	Exogenous Silicon Modulates Growth, Physio-Chemicals and Antioxidants in Barley (Hordeum vulgare L.) Exposed to Different Temperature Regimes	2019	Silicon	11	6	2753	2762
70	Waheed M., Hussain M.B., Javed A., Mushtaq Z., Hassan S., Shariati M.A., Khan M.U., Majeed M., Nigam M., Mishra A.P., Heydari M.	Honey and cancer: A mechanistic review	2019	Clinical Nutrition	38	6	2499	2503
71	Suleman M., Lu D., Yue C., Ul Rahman J., Anjum N.	Heâ€‘Laplace method for general nonlinear periodic solitary solution of vibration equations	2019	Journal of Low Frequency Noise Vibration and Active Control	38	45355	1297	1304

72	Afzaal M., Saeed F., Arshad M.U., Nadeem M.T., Saeed M., Tufail T.	The Effect of Encapsulation on The Stability of Probiotic Bacteria in Ice Cream and Simulated Gastrointestinal Conditions	2019	Probiotics and Antimicrobial Proteins	11	4	1348	1354
73	Nadeem M., Buzdar M.A., Shakir M., Naseer S.	The Association Between Muslim Religiosity and Internet Addiction Among Young Adult College Students	2019	Journal of Religion and Health	58	6	1953	1960
74	Bashir M., Shaheen K., Saleem S., Bhutta M.K., Abrar M., Jun Z.	The Mediating Role of Psychological Need Thwarting in the Relationship Between Compulsory Citizenship Behavior and Psychological Withdrawal	2019	Frontiers in Psychology	10			
75	Nasir S., Nasir I., Hafeez F., Yousaf I.	Comparison of attractive and intercept traps for sampling rove beetles (Coleoptera: Staphylinidae)	2019	Journal of the Entomological Research Society	21	3	257	269
76	Ali Z., Sabir S., Mehreen A.	Predicting engagement and performance through firm's internal factors: Evidence from textile sector	2019	Journal of Advances in Management Research	16	5	763	780

77	Kumar R., Harilal S., Gupta S.V., Jose J., Thomas D.G., Uddin M.S., Shah M.A., Mathew B.	Exploring the new horizons of drug repurposing: A vital tool for turning hard work into smart work	2019	European Journal of Medicinal Chemistry	182			
78	Amna, Ud Din B., Sarfraz S., Xia Y., Kamran M.A., Javed M.T., Sultan T., Hussain Munis M.F., Chaudhary H.J.	Mechanistic elucidation of germination potential and growth of wheat inoculated with exopolysaccharide and ACC-deaminase producing Bacillus strains under induced salinity stress	2019	Ecotoxicology and Environmental Safety	183			
79	Abbas G., Asim S., Bhatti H.N., Mansha A., Zahid M., Ahmad M., Haider R.	Spectroscopic studies of interactions of 2-(2-Oxo-2-Phenylethyl)-1, 2-benzisothiazol-3(2H)-one-1, 1-dioxide with human DNA	2019	Journal of Molecular Structure	1196		403	408
80	Munir T., Mahmood A., Fakhar-e-Alam M., Imran M., Sohail A., Amin N., Latif S., Rasool H.G., Shafiq F., Ali H., Mahmood K.	Treatment of breast cancer with capped magnetic-NPs induced hyperthermia therapy	2019	Journal of Molecular Structure	1196		88	95
81	Abbas Z., Arooj F., Ali S., Zaheer I.E., Rizwan M., Riaz M.A.	Phytoremediation of landfill leachate waste contaminants through floating bed technique using water hyacinth and water lettuce	2019	International Journal of Phytoremediation	21	13	1356	1367

82	Chatha S.A.S., Asgher M., Asgher R., Hussain A.I., Iqbal Y., Hussain S.M., Bilal M., Saleem F., Iqbal H.M.N.	Environmentally responsive and anti-bugs textile finishes – Recent trends, challenges, and future perspectives	2019	Science of the Total Environment	690		667	682
83	Tahir Ul Qamar M., Saleem S., Ashfaq U.A., Bari A., Anwar F., Alqahtani S.	Epitope-based peptide vaccine design and target site depiction against Middle East Respiratory Syndrome Coronavirus: An immune-informatics study	2019	Journal of Translational Medicine	17	1		
84	Fahad M., Ahmad I., Rehman M., Waqas M.M., Gul F.	Regional Wheat Yield Estimation by Integration of Remotely Sensed Soil Moisture into a Crop Model	2019	Canadian Journal of Remote Sensing	45	6	770	781
85	Raza M.A., Aslam M.	Design of control charts for multivariate Poisson distribution using generalized multiple dependent state sampling	2019	Quality Technology and Quantitative Management	16	6	629	650
86	Irfan, Javid A., Hussain A., Ashraf M., Mahmud A., Altaf M., Hussain S.M., Bukhari S.M.	Variations in carcass yield and meat sensory quality attributes between turkeys (meleagris gallopavo) reared in free-range and confinement rearing systems	2019	Indian Journal of Animal Research	53	11	1543	1547

87	Javed M., Irfan M., Pang T.	Hartley-Ross type unbiased estimators of population mean using two auxiliary variables	2019	Scientia Iranica	26	6	3835	3845
88	Safdar F., Noor M.A., Noor K.I., Rashid S.	Some new estimates of generalized(h1,h2)-convex functions	2019	Journal of Prime Research in Mathematics	15	1	129	146
89	Arshad S., Rehman M., Zulfiqar J., Najam S., Asim M.H., Abid F.	Compatibility analysis of bergapten with different pharmaceutical excipients used in nanostructured lipid carriers	2019	Pakistan journal of pharmaceutical sciences	32	6	2879	2885
90	Saddique F.A., Ahmad M., Ashfaq U.A., Ahmad M.N., Anjum M.N., Mohsin N.A., Aslam S.	Alpha-glucosidase inhibition and molecular docking studies of 1,2-benzothiazine 1,1-dioxide based carbohydrazides	2019	Pakistan journal of pharmaceutical sciences	32	6	2829	2834
91	Riaz A., Rasul A., Hussain G., Zubair M., Samiullah K., Sarfraz I., Masood M., Jabeen F., Sultana T., Sultana S.	Eriocalyxin B induces apoptosis in human triple negative breast cancer cells via inhibiting STAT3 activation and mitochondrial dysfunction	2019	Pakistan journal of pharmaceutical sciences	32	6	2843	2848
92	Zaheer J., Kausar A., Kanwal H., Akhtar N., Ilyas A., Nazlli Z.-I.-H.,	Ex-vivo antihypertensive and calcium channel blocking activity of Androsace foliosa n-hexane leaves fraction on	2019	Pakistan journal of pharmaceutical	32	6	2893	2898

	Riaz A., Shah S.M.A., Akram M., Sarwar M.U., Khan A.H., Khan F.S., Asad F., Anwar H., Anwar M.	isolated rabbit aorta		sciences				
93	Akmal A., Javaid A., Hussain R., Kanwal A., Zubair M., Ashfaq U.A.	Screening of phytochemicals against Keap1- NRF2 interaction to reactivate NRF2 Functioning: Pharmacoinformatics based approach	2019	Pakistan journal of pharmaceutical sciences	32	6	2823	2828
94	Tanzeem M.U., Asghar S., Khalid S.H., Asif M., Ullah M.S., Khan I.U., Khalid I., Faran S.A., Rehman A., Gohar U.F., Hussain T.	Clove oil based co-surfactant free microemulsion of flurbiprofen: Improved solubility with ameliorated drug-induced gastritis	2019	Pakistan journal of pharmaceutical sciences	32	6	2787	2793
95	Aslam S., Wang F., Ahmad M., Zahoor A.F., Mansha A., Rasul A., Fu L.	Benzothiazine based acetohydrazides and acetamides as anticancer agents	2019	Pakistan journal of pharmaceutical sciences	32	6	2795	2800
96	Imran M., Ashraf M., Hussain S., Mustafa A.	Microbial Biotechnology for Detoxification of Azo-Dye Loaded Textile Effluents: A Critical Review	2019	International Journal of Agriculture and Biology	22	5	1138	1154

97	Mallhi Z.I., Rizwan M., Mansha A., Ali Q., Asim S., Ali S., Hussain A., Alrokayan S.H., Khan H.A., Alam P., Ahmad P.	Citric acid enhances plant growth, photosynthesis, and phytoextraction of lead by alleviating the oxidative stress in castor beans	2019	Plants	8	11		
98	Sanad M.H., Rizvi F.A., Kumar R.R., Ibrahim A.A.	Synthesis and Preliminary Biological Evaluation of ^{99m} Tc Tricarbonyl Ropinirole as a Potential Brain Imaging Agent	2019	Radiochemistry	61	6	754	758
99	Bibi I., Nazar N., Ata S., Sultan M., Ali A., Abbas A., Jilani K., Kamal S., Sarim F.M., Khan M.I., Jalal F., Iqbal M.	Green synthesis of iron oxide nanoparticles using pomegranate seeds extract and photocatalytic activity evaluation for the degradation of textile dye	2019	Journal of Materials Research and Technology	8	6	6115	6124
100	Hussain S.A., Rehana, Hassan B., Kanwal N., Pervaiz S., Razzaq M., Khan I.A.	Structural and optical properties of Cu-ZnO films deposited by thermal evaporation	2019	Journal of Ovonic Research	15	6	411	423
101	Faiz S., Zahoor A.F., Rasool N., Ajmal M., Irfan M.	Tetra-n-butyl ammonium iodide catalyzed ring opening of epoxides with sodium saccharin	2019	Chiang Mai Journal of Science	46	6	1229	1233

102	Ali T., Nadeem A.M., Riaz M.F., Xie W.	Sustainable water use for international agricultural trade: The case of Pakistan	2019	Water (Switzerland)	11	11		
103	Alwatban A.M., Khan S.U., Waqas H., Tlili I.	Interaction of Wu's slip features in bioconvection of eyring powell nanoparticles with activation energy	2019	Processes	7	11		
104	Mir Z., Rasheed A., Shahid M., Khan A.A., Jamil M.	Nonlinear frequency shift of acoustic waves in semiconductor plasmas	2019	Physics of Plasmas	26	11		
105	Tassaddiq A., Khalid A., Naeem M.N., Ghaffar A., Khan F., Karim S.A.A., Nisar K.S.	A new scheme using cubic B-spline to solve non-linear differential equations arising in visco-elastic flows and hydrodynamic stability problems	2019	Mathematics	7	11		
106	Riaz M., Abid M., Nazir H.Z., Abbasi S.A.	An enhanced nonparametric EWMA sign control chart using sequential mechanism	2019	PLoS ONE	14	11		
107	Bibi I., Javed S., Ata S., Majid F., Kamal S., Sultan M., Jilani K., Umair M.,	Biodegradation of synthetic orange G dye by Pleurotus sajor-caju with Punica granatum peel as natural mediator	2019	Biocatalysis and Agricultural Biotechnology	22			

	Khan M.I., Iqbal M.							
108	Javed M.T., Habib N., Akram M.S., Ali Q., Haider M.Z., Tanwir K., Shauket A., Chaudhary H.J.	The effect of lead pollution on nutrient solution pH and concomitant changes in plant physiology of two contrasting Solanum melongena L. cultivars	2019	Environmental Science and Pollution Research	26	33	34633	34644
109	Ikram W., Akhtar M., Morel C., Rizwan M., Ali S.	Phosphate fertilizer premixing with farmyard manure enhances phosphorus availability in calcareous soil for higher wheat productivity	2019	Environmental Science and Pollution Research	26	31	32276	32284
110	Umair M., Mohsin M., Ali Q., Qamar M.U., Raza S., Ali A., Guenther S., Schierack P.	Prevalence and Genetic Relatedness of Extended Spectrum- β -Lactamase-Producing Escherichia coli among Humans, Cattle, and Poultry in Pakistan	2019	Microbial Drug Resistance	25	9	1374	1381

111	Sattar S., Imran M., Mushtaq Z., Ahmad M.H., Holmes M., Maycock J., Khan M.I., Yasmin A., Khan M.K., Muhammad N.	Functional quality of optimized peach-based beverage developed by application of ultrasonic processing	2019	Food Science and Nutrition	7	11	3692	3699
112	Hina K., Abbas M., Hussain Q., Arshad M., Ali S., Rizwan M.	Investigation into arsenic retention in arid contaminated soils with biochar application	2019	Arabian Journal of Geosciences	12	22		

113	Akram M., Daniyal M., Munir N., Mohiuddin E., Sultana S.	Medicinal Plants Combating Against Insomnia: A Green Anti-Insomnia Approach	2019	Journal of Nervous and Mental Disease	207	11	927	935
114	Qayyum M.F., Abdullah M.A., Rizwan M., Haider G., Ali M.A., Zafar-ul-Hye M., Abid M.	Different nitrogen and biochar sources™ application in an alkaline calcareous soil improved the maize yield and soil nitrogen retention	2019	Arabian Journal of Geosciences	12	21		
115	Atif R.M., Shahid L., Waqas M., Ali B., Rashid M.A.R., Azeem F., Nawaz M.A., Wani S.H., Chung G.	Insights on calcium-dependent protein kinases (CPKs) signaling for abiotic stress tolerance in plants	2019	International Journal of Molecular Sciences	20	21		
116	Hussein M.H., Hamouda R.A., Elhadary A.M.A., Abuelmagd M.A., Ali S., Rizwan M.	Characterization and chromium biosorption potential of extruded polymeric substances from Synechococcus mundulus induced by acute dose of gamma irradiation	2019	Environmental Science and Pollution Research	26	31	31998	32012
117	Shujah-ur-Rahman, Chen S., Saud S., Saleem N., Bari M.W.	Nexus between financial development, energy consumption, income level, and ecological footprint in CEE countries: do human capital and biocapacity matter?	2019	Environmental Science and Pollution Research	26	31	31856	31872
118	Mahmood K., Jacob J., Shakir M., Ilyas S.Z., Rehman U., Ali A., Ashfaq A., Amin N.,	Modulation of thermoelectric properties of GeS ₂ thin films by annealing in oxygen environment	2019	Physica B: Condensed Matter	572		66	69

	Ikram S., Ali N.							
119	Qamar S.A., Asgher M., Khalid N., Sadaf M.	Nanobiotechnology in health sciences: Current applications and future perspectives	2019	Biocatalysis and Agricultural Biotechnology	22			
120	Iftikhar A., Ali S., Yasmeen T., Arif M.S., Zubair M., Rizwan M., Alhaithloul H.A.S., Alayafi A.A.M., Soliman M.H.	Effect of gibberellic acid on growth, photosynthesis and antioxidant defense system of wheat under zinc oxide nanoparticle stress	2019	Environmental Pollution	254			
121	Ahmad G., Rasool N., Rizwan K., Imran I., Zahoor A.F., Zubair M., Sadiq A., Rashid U.	Synthesis, in-vitro cholinesterase inhibition, in-vivo anticonvulsant activity and in-silico exploration of N-(4- methylpyridin-2-yl)thiophene-2-carboxamide analogs	2019	Bioorganic Chemistry	92			
122	Amanullah I., Khan Y.H., Anwar I., Gulzar A., Mallhi T.H., Raja A.A.	Effect of Vitamin E in non-alcoholic fatty liver disease: A systematic review and meta-analysis of randomised controlled trials	2019	Postgraduate Medical Journal	95	1129	601	611
123	Nazir H.Z., Hussain T., Akhtar N., Abid M., Riaz M.	Robust adaptive exponentially weighted moving average control charts with applications of manufacturing processes	2019	International Journal of Advanced Manufacturing Technology	105	45295	733	748

124	Akram M.W., Raziq F., Fakhar-e-Alam M., Aziz M.H., Alimgeer K.S., Atif M., Amir M., Hanif A., Aslam Farooq W.	Tailoring of Au-TiO ₂ nanoparticles conjugated with doxorubicin for their synergistic response and photodynamic therapy applications	2019	Journal of Photochemistry and Photobiology A: Chemistry	384			
125	Jacob J., Mahmood K., Usman M.Y., Rehman U., Ali A., Ashfaq A., Amin N., Ikram S., Hussain S.	Modulation of thermoelectric properties of bulk ZnAlO by annealing in oxygen environment	2019	Physica B: Condensed Matter	572		247	250
126	Rafiq M., Khalid M., Tahir M.N., Ahmad M.U., Khan M.U., Naseer M.M., Braga A.A.C., Muhammad S., Shafiq Z.	Synthesis, XRD, spectral (IR, UV-Vis, NMR) characterization and quantum chemical exploration of benzoimidazole-based hydrazones: A synergistic experimental-computational analysis	2019	Applied Organometallic Chemistry	33	11		
127	Waheed R., Sarwar S., Wei C.	The survey of economic growth, energy consumption and carbon emission	2019	Energy Reports	5		1103	1115
128	Ramzan S., Shaheen S., Hussain K., Khan M.A., Sohail J., Khan F.	Significance of leaf morphoanatomical markers for the authentication of adulterated drugs sold in herbal markets of district Lahore, Pakistan	2019	Microscopy Research and Technique	82	11	1911	1921

129	Bukhari S.A., Yasmin A., Zahoor M.A., Mustafa G., Sarfraz I., Rasul A.	Secreted frizzled-related protein 4 and its implication in obesity and type-2 diabetes	2019	IUBMB Life	71	11	1701	1710
130	Waqas H., Khan S.U., Shehzad S.A., Imran M.	Significance of the nonlinear radiative flow of micropolar nanoparticles over porous surface with a gyrotactic microorganism, activation energy, and Nield's condition	2019	Heat Transfer - Asian Research	48	7	3230	3256
131	Abdel-Aziz H.M.M., Rizwan M.	Chemically synthesized silver nanoparticles induced physio-chemical and chloroplast ultrastructural changes in broad bean seedlings	2019	Chemosphere	235		1066	1072
132	Akbar S., Jacob J., Mahmood K., Wasiq M.F., Jaffari G.H., Khan M.A.	Analysis of Schottky emission electric charge transport mechanism in Cu-Lu ₂ O ₃ -Cu MIM structure by temperature dependent current-voltage characteristics	2019	Microelectronics Reliability	102			
133	Bragazza L., Robroek B.J.M., Jassey V.E.J., Arif M.S., Marchesini R., Guglielmin M., Cannone N.	Soil microbial community structure and enzymatic activity along a plant cover gradient in Victoria Land (continental Antarctica)	2019	Geoderma	353		144	151

134	Khalid N., Masood A., Noman A., Aqeel M., Qasim M.	Study of the responses of two biomonitor plant species (Datura alba & Ricinus communis) to roadside air pollution	2019	Chemosphere	235		832	841
135	Taj S., Ashfaq U.A., Aslam S., Ahmad M., Bhatti S.H.	Alpha-glucosidase activity of novel pyrazolobenzothiazine 5,5- dioxide derivatives for the treatment of diabetes mellitus. Invitro combined with molecular docking approach	2019	Biologia	74	11	1523	1530
136	Arif M.S., Yasmeen T., Shahzad S.M., Riaz M., Rizwan M., Iqbal S., Asif M., Soliman M.H., Ali S.	Lead toxicity induced phytotoxic effects on mung bean can be relegated by lead tolerant Bacillus subtilis (PbRB3)	2019	Chemosphere	234		70	80
137	Hussain M., Naeem M.N.	Rotating response on the vibrations of functionally graded zigzag and chiral single walled carbon nanotubes	2019	Applied Mathematical Modelling	75		506	520
138	Rizwan M., ElShamy M.M., Abdel-Aziz H.M.M.	Assessment of trace element and macronutrient accumulation capacity of two native plant species in three different Egyptian mine areas for remediation of contaminated soils	2019	Ecological Indicators	106			

139	Younas M., Jawawi D.N.A., Ghani I., Shah M.A., Khurshid M.M., Madni S.H.H.	Framework for Agile Development Using Cloud Computing: A Survey	2019	Arabian Journal for Science and Engineering	44	11	8989	9005
140	Naz A., Ali M., Aslam M.A., Khan A.U.H., Manzoor H., Iqbal R., Shehzad M.A., Ahmad S., Shaheen Z., Rasul S.	Influence of single-nucleotide polymorphisms in the IFNG towards susceptibility to tuberculosis in a Pakistani population	2019	Annals of Human Genetics	83	6	426	433
141	Rizwan M., Noreen S., Ali S., Anwar S., Rehman M.Z., Qayyum M.F., Hussain A.	Influence of biochar amendment and foliar application of iron oxide nanoparticles on growth, photosynthesis, and cadmium accumulation in rice biomass	2019	Journal of Soils and Sediments	19	11	3749	3759
142	Ramzan M., Arshad M.I., Sharif M., Mahmood K., Ali A., Amin N., Lu N., Arshad S., Jamil Y., Ajaz-un-Nabi M.	Investigation of Electrical and Magnetic Properties of La ³⁺ Substituted M-Type Ba ²⁺ /Ni Nano-Ferrites	2019	Journal of Superconductivity and Novel Magnetism	32	11	3517	3524
143	Mahboob S., Al-Ghanim K.A., Alkahem Al-Balawi H.F., F. Al-Misned, Ahmed Z.	Study on assessment of proximate composition and meat quality of fresh and stored <i>Clarias gariepinus</i> and <i>Cyprinus carpio</i> [Estudo da avaliação da composição centesimal e da qualidade da carne de <i>Clarias gariepinus</i> e <i>Cyprinus carpio</i>]	2019	Brazilian Journal of Biology	79	4	651	658

144	Iqbal T., Sahrash R., Siddiqua A., Afsheen S., Tahir M.B., Khan M.I., Riaz K.N., Nabi G., Fahad M., Sharif M., Abrar M.	Preparation and characterization of polyvinylidene fluoride/1-butyl-3-methylimidazolium bromide-based ionogel membranes for desalination applications	2019	International Journal of Environmental Science and Technology	16	11	7081	7092
145	Khurshid M., Rasool M.H., Siddique M.H., Azeem F., Naeem M., Sohail M., Sarfraz M., Saqalein M., Taj Z., Nisar M.A., Qamar M.U., Shahzad A.	Molecular mechanisms of antibiotic co-resistance among carbapenem resistant Acinetobacter baumannii	2019	Journal of infection in developing countries	13	10	899	905
146	Shad N.A., Sajid M.M., Amin N., Javed Y., Akhtar K., Ahmad G., Hassan S., Ikram M.	Photocatalytic degradation performance of cadmium tungstate (CdWO ₄) nanosheets-assembly and their hydrogen storage features	2019	Ceramics International	45	15	19015	19021
147	Mahmood K., Jacob J., Rehman A., Ali A., Rehaman U., Amin N., Ikram S., Ashfaq A., Hussain S.	Modulation of thermoelectric properties of Mg ₂ GeO ₄ thin films by controlling the growth process	2019	Ceramics International	45	15	18701	18703
148	Javed M.S., Ashraf I., Tahir M.F., Hussain S., Abbas Y., Arshad M., Lin L., Ahmad M.A.	Dumbbell-shaped mixed bimetallic-oxides decorated on carbon-fiber textile for high-performance flexible symmetric solid-state pseudocapacitors	2019	Materials Letters	253		50	54

149	Alay-e-Abbas S.M., Yousaf M.W., Abbas G., Amin N., Laref A.	Theoretical investigation of thermodynamic and optoelectronic properties of Ce ⁴⁺ doped SrZrO ₃ ceramics: A DFT study	2019	Ceramics International	45	15	18281	18290
150	Mahmood K., Jacob J., Zahra R., Ail A., Rehman U., Ashfaq A., Ahmed W., Amin N., Arshad M.I., Javaid K., Ikram S., Ajaz un Nabi M., Hussain S., Feng Y.	Thermoelectric properties of Zn ₂ GeO ₄ nano-crystals grown on ITO and Au coated Si substrates by thermal evaporation	2019	Ceramics International	45	15	18333	18337
151	Awan A.B., Zubair M., Sidhu G.A.S., Bhatti A.R., Abo-Khalil A.G.	Performance analysis of various hybrid renewable energy systems using battery, hydrogen, and pumped hydro-based storage units	2019	International Journal of Energy Research	43	12	6296	6321
152	Adeel S., Hussaan M., Rehman F.-U., Habib N., Salman M., Naz S., Amin N., Akhtar N.	Microwave-assisted sustainable dyeing of wool fabric using cochineal-based carminic acid as natural colorant	2019	Journal of Natural Fibers	16	7	1026	1034
153	Ali S., Ghufraan M., Nawaz M.A., Hussain S.N.	The psychological perspective on the adoption of approved genetically modified crops in the presence of acceptability constraint: the contingent role of passion	2019	GM Crops and Food	10	4	220	237

154	Masroor A., Mahr-Un-Nisa, Khan M.K., Ashfaq U.A., Komal F.	Inulin, Fructooligosaccharide and Lactobacillus acidophilus Affects Body Weight Gain and Blood Metabolites in Polycystic Ovarian Syndrome Rats	2019	International Journal of Agriculture and Biology	22	4	787	792
155	Khan A., Mahmood F., Hussain R., Siddique A.B., Gul S.T., Saleemi M.K., Li F., Shen M.	Lymphoid Leukosis in Fayoumi Birds Reared in Countryside	2019	International Journal of Agriculture and Biology	22	4	620	626
156	Hussain S.M., Ahmad N., Rasul A., Shahzad M.M., Latif M., Ul Hassan Arsalan M.Z., Umair M., Shafqat H.H.	Efficacy of nano-Cr particles supplemented sunflower meal based diets on growth performance, digestibility and hematology of catla catla fingerlings	2019	Pakistan Journal of Zoology	51	5	1943	1952
157	Marium A., Kausar A., Ali Shah S.M., Ashraf M.Y., Akhtar N., Akram M., Riaz M.	Assessment of Cucumber Genotypes for Salt Tolerance Based on Germination and Physiological Indices	2019	Dose-Response	17	4		
158	Nasir N., Kashif M., Munir T., Shahzad A., Noreen M., Kamran K., Hussain A., Ahmed A.	The effect of strain on electronic and optical properties of cubo2 (B=y, sc) by first principles study	2019	Digest Journal of Nanomaterials and Biostructures	14	4	895	906

159	Khan Q., Abdullah L., Mahmood T., Naeem M., Rashid S.	MADM based on generalized interval neutrosophic Schweizer-Sklar prioritized aggregation operators	2019	Symmetry	11	10		
160	Parveen A., Liu W., Hussain S., Asghar J., Perveen S., Xiong Y.	Silicon priming regulates morpho-physiological growth and oxidative metabolism in maize under drought stress	2019	Plants	8	10		
161	Hussain S., Hussain S., Qadir T., Khaliq A., Ashraf U., Parveen A., Saqib M., Rafiq M.	Drought stress in plants: An overview on implications, tolerance mechanisms and agronomic mitigation strategies	2019	Plant Science Today	6	4	389	402
162	Faiz S., Zahoor A.F., Ajmal M., Kamal S., Ahmad S., Abdelgawad A.M., Elnaggar M.E.	Design, Synthesis, Antimicrobial Evaluation, and Laccase Catalysis Effect of Novel Benzofuranâ€”Oxadiazole and Benzofuranâ€”Triazole Hybrids	2019	Journal of Heterocyclic Chemistry	56	10	2839	2852
163	Rashid S., Noor M.A., Noor K.I., Safdar F., Chu Y.-M.	Hermite-hadamard type inequalities for the class of convex functions on time scale	2019	Mathematics	7	10		

164	Naqvi S.A.A., Nadeem A.M., Iqbal M.A., Ali S., Naseem A.	Assessing the vulnerabilities of current and future production systems in Punjab, Pakistan	2019	Sustainability (Switzerland)	11	19		
165	Adnan M., Fahad S., Khan I.A., Saeed M., Ihsan M.Z., Saud S., Riaz M., Wang D., Wu C.	Integration of poultry manure and phosphate solubilizing bacteria improved availability of Ca bound P in calcareous soils	2019	3 Biotech	9	10		
166	Betancourt L., Hume M., Rodr�guez F., Nisbet D., Sohail M.U., Afanador-Tellez G.	Effects of Colombian oregano essential oil (Lippia origanoides Kunth) and Eimeria species on broiler production and cecal microbiota	2019	Poultry Science	98	10	4777	4786
167	Riaz M.A., Nisa Z.U., Mehmood A., Anjum M.S., Shahzad K.	Metal-induced nephrotoxicity to diabetic and non-diabetic Wistar rats	2019	Environmental Science and Pollution Research	26	30	31111	31118
168	Din A., Nadeem M., Saeed F., Ahmad M.H., Tufail T., Bader Ul Ain H., Mushtaq Z., Hussain S., Anjum F.M.	Development and optimization of processing techniques for intermediate moisture muskmelon chunks	2019	Food Science and Nutrition	7	10	3253	3260
169	Shahzad U., Farooq M.U., Qin F.	Impacts of USAID and development assistance toward counterterrorism efforts: Empirical evidence in context of Pakistan	2019	Asian Social Work and Policy Review	13	3	320	333

170	Nawaz A., Xiong Z., Li Q., Xiong H., Irshad S., Chen L., Wang P., Zhang M., Hina S., Regenstein J.M.	Evaluation of physicochemical, textural and sensory quality characteristics of red fish meat-based fried snacks	2019	Journal of the Science of Food and Agriculture	99	13	5771	5777
171	Zaheer I.E., Ali S., Rizwan M., Bareen F.-E., Abbas Z., Bukhari S.A.H., Wijaya L., Alyemeni M.N., Ahmad P.	Zinc-lysine prevents chromium-induced morphological, photosynthetic, and oxidative alterations in spinach irrigated with tannery wastewater	2019	Environmental Science and Pollution Research	26	28	28951	28961
172	Zhang M., Asghar S., Jin X., Hu Z., Ping Q., Chen Z., Shao F., Xiao Y.	The enhancing effect of N-acetylcysteine modified hyaluronic acid-octadecylamine micelles on the oral absorption of paclitaxel	2019	International Journal of Biological Macromolecules	138		636	647
173	Hussain F., Imran M., Khalil R.M.A., Sattar M.A., Niaz N.A., Rana A.M., Ismail M., Khera E.A., Rasheed U., Mumtaz F., Javed T., Kim S.	A first-principles study of Cu and Al doping in ZrO ₂ for RRAM device applications	2019	Vacuum	168			
174	Hussain A., Noman A., Khan M.I., Zaynab M., Aqeel M., Anwar M., Ashraf M.F., Liu Z., Raza A., Mahpara S., Bakhsh A., He S.	Molecular regulation of pepper innate immunity and stress tolerance: An overview of WRKY TFs	2019	Microbial Pathogenesis	135			

175	Qamar N., Abbas N., Irfan M., Hussain A., Arshad M.S., Latif S., Mehmood F., Ghorri M.U.	Personalized 3D printed ciprofloxacin impregnated meshes for the management of hernia	2019	Journal of Drug Delivery Science and Technology	53			
176	Islam I., Ullah K., Afaq M., Chaudary M.H., Hanif M.K.	Spatio-temporal sEMG image enhancement and motor unit action potential (MUAP) detection: algorithms and their analysis	2019	Journal of Ambient Intelligence and Humanized Computing	10	10	3809	3819
177	Khan S.N., Yasmeen T., Riaz M., Arif M.S., Rizwan M., Ali S., Tariq A., Jessen S.	Spatio-temporal variations of shallow and deep well groundwater nitrate concentrations along the Indus River floodplain aquifer in Pakistan	2019	Environmental Pollution	253		384	392
178	Shaheen S., Jaffer M., Khalid S., Khan M.A., Hussain K., Butt M.M., Rauf Siddiqui A., Ashfaq M., Ahmad M., Zafar M., Khan F.	Microscopic techniques used for the identification of medicinal plants: A case study of Senna	2019	Microscopy Research and Technique	82	10	1660	1667
179	Waqas H., Khan S.U., Hassan M., Bhatti M.M., Imran M.	Analysis on the bioconvection flow of modified second-grade nanofluid containing gyrotactic microorganisms and nanoparticles	2019	Journal of Molecular Liquids	291			

180	Rafique M., Ortas I., Ahmed I.A.M., Rizwan M., Afridi M.S., Sultan T., Chaudhary H.J.	Potential impact of biochar types and microbial inoculants on growth of onion plant in differently textured and phosphorus limited soils	2019	Journal of Environmental Management	247		672	680
181	Shahid A., Ishfaq M., Ahmad M.S., Malik S., Farooq M., Hui Z., Batawi A.H., Shafi M.E., Aloqbi A.A., Gull M., Mehmood M.A.	Bioenergy potential of the residual microalgal biomass produced in city wastewater assessed through pyrolysis, kinetics and thermodynamics study to design algal biorefinery	2019	Bioresource Technology	289			
182	Rehman U., Jacob J., Mahmood K., Ali A., Ashfaq A., Amin N., Ikram S., Ahmad W., Hussain S.	Direct growth of ZnSnO nano-wires by thermal evaporation technique for thermoelectric applications	2019	Physica B: Condensed Matter	570		232	235
183	Sharif F., Rasul A., Ashraf A., Hussain G., Younis T., Sarfraz I., Chaudhry M.A., Bukhari S.A., Ji X.Y., Selamoglu Z., Ali M.	Phosphoglycerate mutase 1 in cancer: A promising target for diagnosis and therapy	2019	IUBMB Life	71	10	1418	1427
184	Khan I., Iqbal M., Shafiq F.	Phytomanagement of lead-contaminated soils: critical review of new trends and future prospects	2019	International Journal of Environmental Science and Technology	16	10	6473	6488

185	Sun J., Bao G., Cui J., Yasmeen N., Aslam B., Xin H., Shanshan L., Fu P., Baloch Z.	The association of diabetes risk score and body mass index with incidence of diabetes among urban and rural adult communities in Qingdao, China	2019	International Journal of Diabetes in Developing Countries	39	4	730	738
186	Tahir M., Abid M., Aslam M., Ali S.	Bayesian estimation of the mixture of Burr Type-XII distributions using doubly censored data	2019	Journal of King Saud University - Science	31	4	1137	1150
187	Aslam M., Raza M.A., Ahmad L., Jun C.-H.	Design of a t-chart using generalized multiple dependent state sampling	2019	Quality and Reliability Engineering International	35	6	1789	1802
188	Jamil U., Sajid A., Hussain M., Aldabbas O., Alam A., Shafiq M.U.	Melanoma segmentation using bio-medical image analysis for smarter mobile healthcare	2019	Journal of Ambient Intelligence and Humanized Computing	10	10	4099	4120
189	Irfan M., Javed M., Lin Z.	Enhanced estimation of population mean in the presence of auxiliary information	2019	Journal of King Saud University - Science	31	4	1373	1378
190	Haq A.U., Saeed M., Usman M., Muneer M., Adeel S., Abbas S., Iqbal A.	Removal of butachlor from aqueous solution using cantaloupe seed shell powder: kinetic, equilibrium and thermodynamic studies	2019	International Journal of Environmental Science and Technology	16	10	6029	6042

191	Buzdar M.A., Tariq R.U., Jalal H., Nadeem M.	Does Religiosity Reduce Narcissistic Personality Disorder? Examining the Case of Muslim University Students	2019	Journal of Religion and Health	58	5	1463	1470
192	Javed M., Nawaz T., Irfan M.	The Marshall-Olkin Kappa distribution: Properties and applications	2019	Journal of King Saud University - Science	31	4	684	691
193	Ghauri M.J., Umber S.	A Critical Discourse Analysis of the National Islam and Foreign Islam in the Australian Press	2019	Islamic Studies	58	3	403	422
194	Hussain R., Javed M.T., Khan I., Siddique A.B., Aslam B., Ghaffar A., Tariq N., Qayyum A., Wareth G.	Pathological and clinical investigations of an outbreak of Blackleg disease due to C. chauvoei in cattle in Punjab, Pakistan	2019	Journal of infection in developing countries	13	9	786	793
195	Laref A., Alsagri M., Alay- e-Abbas S.M., Barakat F., Laref S., Huang H.M., Xiong Y.C., Yang J.T., Wu X.	Impact of phosphorous and sulphur substitution on Dirac cone modification and optical behaviors of monolayer graphene for nano-electronic devices	2019	Applied Surface Science	489		358	371

196	Zia K.M., Adeel S., Rehman F.-U., Aslam H., Khosa M.K., Zuber M.	Influence of ultrasonic radiation on extraction and green dyeing of mordanted cotton using neem bark extract	2019	Journal of Industrial and Engineering Chemistry	77		317	322
197	Khan S.U., Waqas H., Shehzad S.A., Imran M.	Theoretical analysis of tangent hyperbolic nanoparticles with combined electrical MHD, activation energy and Wu's slip features: A mathematical model	2019	Physica Scripta	94	12		
198	Zubair A., Shabbir R., Abro M.A., Mahmood M.A.H.	Impact of consumer information acquisition confidence, social outcome confidence on information search and sharing: The mediating role of subjective knowledge	2019	Bottom Line	32	3	230	246
199	Javed A., Ahmad A., Tahir A., Shabbir U., Nouman M., Hameed A.	Potato peel waste—its nutraceutical, industrial and biotechnological applications	2019	AIMS Agriculture and Food	4	3	807	823

200	Bilal Waheed M., Bhatti A.R., Amjad M., Saleem Y., Niazi S.A., Khokhar S.	A Simplified Model Predictive Control of Four-Leg Two-Level Inverter	2019	Electric Power Components and Systems	47	14-15	1287	1302
201	Shah S., Abbas G., Hanif M., Anees-Ur-Rehman, Zaman M., Riaz N., Altaf A., Hassan S.U., Saleem U., Shah A.	Increased burden of disease and role of health economics: Asia-pacific region	2019	Expert Review of Pharmacoeconomics and Outcomes Research	19	5	517	528
202	Liu X., Li J., Noman A., Lou Y.	Silencing OsMAPK20-5 has different effects on rice pests in the field	2019	Plant Signaling and Behavior	14	9		
203	Khan S., Qureshi I., Shifa M.S., Waziri A.H.	An efficient calixarene-based functional material for the sorption and recovery of Cr(VI) from water	2019	International Journal of Environmental Analytical Chemistry	99	11	1123	1134
204	Sher M., Farooq M., Abdullah U., Ali Z., Faryal S., Zakaria M., Ullah F., Bukhari H., MÄller R.S., Tommerup N., Baig S.M.	A novel in-frame mutation in CLN3 leads to Juvenile neuronal ceroid lipofuscinosis in a large Pakistani family	2019	International Journal of Neuroscience	129	9	890	895

205	Siddiqui H.M.A., Baby S., Kashifshafiq M.	The sharp bounds of topological indices of strong product of new f-sum on connected graphs	2019	Utilitas Mathematica	112		139	156
206	Baby S., Shafiq M.K., Siddiqui H.M.A.	Bounds of Zagreb type indices of strong product of four operations on connected graphs	2019	Utilitas Mathematica	112		315	331
207	Shahzad M.U., Iqbal A., Jawad A.	Dynamical properties of dark energy models in fractal universe	2019	Symmetry	11	9		
208	Rashid S., Noor M.A., Noor K.I.	Inequalities pertaining fractional approach through exponentially convex functions	2019	Fractal and Fractional	3	3	1	14
209	Akhtar R., Zahoor A.F., Rasul A., Ahmad M., Anjum M.N., Ajmal M., Raza Z.	Design, synthesis, in-silico study and anticancer potential of novel n-4- piperazinyl-ciprofloxacin-aniline hybrids	2019	Pakistan journal of pharmaceutical sciences	32	5	2215	2222
210	Rehman T., Arshad M.U., Ahmad R.S., Rasool B., Hussain G., Saeed F.,	Reconnoitring the impact of different extraction techniques on ginger bioactive moieties extraction, antioxidant characterization and physicochemical properties for their	2019	Pakistan journal of pharmaceutical sciences	32	5	2223	2236

	Shahbaz M., Ahmed A., Imran M., Khan M.A., Faiz F., Bano Y., Munir R., Nadeem M., Jabeen F., Imran A.	therapeutic effect						
211	Hanif M., Mehmood M.H., Ishrat G., Abdullah A., Sohail S., Ahmed M., Gilani A.-H.	Evaluation of prokinetic and laxative effects of Hippophae rhamnoides in rodents	2019	Pakistan journal of pharmaceutical sciences	32	5	2527	2533
212	Qamar M.U., Mustafa G., Qaisar U., Azeem F., Shahid M., Manzoor I., Qasim M., Abbas T., Shah A.A.	Molecular detection of blaNDM and blaVIM in clinically isolated multi-drug resistant Escherichia coli in Pakistan	2019	Pakistan journal of pharmaceutical sciences	32	5	2305	2309
213	Tahir M.F., Bukhari S.A., Anjum F., Qasim M., Anwar H., Naqvi S.A.R.	Purification and modification of Cordia myxa gum to enhance its nutraceutical attribute as binding agent	2019	Pakistan journal of pharmaceutical sciences	32	5	2245	2250
214	Kamal S., Akhter N., Noreen R., Salman M., Khan S.G., Roheen T., Yaqoob N., Kamal A., Siddique W.A.	A new approach to design 3(3-sulfamoylbenzamido) benzoic acid containing transition metal complexes: Characterization and Biological activities	2019	Pakistan journal of pharmaceutical sciences	32	5	2317	2324

215	Zaheer J., Najam-Us-Saqib Q., Hashmi A.M., Mukhtiar M., Zafar S., Riaz M., Rasool G., Akram M., Shah S.M.-A., Rahat S., Khan F.S.	Ex-vivo abortifacient activity of Androsace foliosa n-hexane leaves extract on isolated rabbit uterus	2019	Pakistan journal of pharmaceutical sciences	32	5	2333	2339
216	Latif M.A., Jabeen F., Ali M., Rasul A., Naz S., Akram M.	Neurotoxic effects of titanium dioxide nanoparticles on the brain of male sprague dawley rats	2019	Pakistan journal of pharmaceutical sciences	32	5	2311	2316
217	Masood M., Rasul A., Sarfraz I., Jabeen F., Liu S., Liu X., Wei W., Li J., Li X.	Hispolon induces apoptosis against prostate DU145 cancer cells via modulation of mitochondrial and STAT3 pathways	2019	Pakistan journal of pharmaceutical sciences	32	5	2237	2243
218	Hanif M., Mehmood M.H., Ishrat G., Virji S.N., Malik A., Ahmed M., Gilani A.-H.	Pharmacological basis for the medicinal use of Alcea rosea in airways disorders and chemical characterization of its fixed oils through GC-MS	2019	Pakistan journal of pharmaceutical sciences	32	5	2347	2355
219	Mirza R., Azeem M., Qaisar U.	Influence of Peganum harmala peptides on the transcriptional activity of biofilm related genes in sensitive and resistant strains of Pseudomonas aeruginosa and Staphylococcus aureus	2019	Pakistan journal of pharmaceutical sciences	32	5	2341	2345

220	Hussain A., Farrukh M., Abbas N., Irfan M., Arshad M.S., Bukhari N.I.	Effect of low melting hydrophilic carriers on the solubility and dissolution rate of Piroxicam using solid dispersion technique	2019	Pakistan journal of pharmaceutical sciences	32	5	2257	2260
221	Perveen S., Mushtaq M.N., Yousaf M., Waqas M.R., Ashraf M.R., Awan M.I., Hashim S., Koodkaew I.	Potent phenolic allelochemicals from Celosia argentea var. Cristata L. leaf extract based on bioactive fractions	2019	Allelopathy Journal	48	1	27	34
222	Khan M.T.I., Yaseen M.R., Ali Q.	Nexus between financial development, tourism, renewable energy, and greenhouse gas emission in high-income countries: A continent-wise analysis	2019	Energy Economics	83		293	310
223	Sajid M., Li M.C.	The role of cognitive reflection in decision making: Evidence from pakistani managers	2019	Judgment and Decision Making	14	5	591	604
224	Iqbal S., Arif M.S., Khan H.Z., Yasmeen T., Thierfelder C., Li T., Khan S., Nadir S., Xu J.	Compost amended with N enhances maize productivity and soil properties in semi-arid agriculture	2019	Agronomy Journal	111	5	2536	2544

225	Khan M., Fatima K., Ahmad R., Younas R., Rizwan M., Azam M., Abadin Z., Ali S.	Comparative effect of mesquite biochar, farmyard manure, and chemical fertilizers on soil fertility and growth of onion (<i>Allium cepa</i> L.)	2019	Arabian Journal of Geosciences	12	18		
226	Naeem A., Rehman M., Anjum M., Asif M.	Development of an efficient hierarchical clustering analysis using an agglomerative clustering algorithm	2019	Current Science	117	6	1045	1053
227	Jamil M., Rasheed A., Usman M., Arshad W., Jawwad Saif M., Jung Y.-D.	Karpman-Washimi magnetization in relativistic quantum plasmas	2019	Physics of Plasmas	26	9		
228	Siddeeg A., Manzoor M.F., Ahmad M.H., Ahmad N., Ahmed Z., Khan M.K.I., Maan A.A., Mahr-Un-Nisa, Zeng X.-A., Ammar A.-F.	Pulsed electric field-assisted ethanolic extraction of date palm fruits: Bioactive compounds, antioxidant activity and physicochemical properties	2019	Processes	7	9		

229	Faran S.A., Asghar S., Khalid S.H., Khan I.U., Asif M., Khalid I., Gohar U.F., Hussain T.	Hepatoprotective and renoprotective properties of lovastatin-loaded ginger and garlic oil nanoemulsomes: Insights into serum biological parameters	2019	Medicina (Lithuania)	55	9		
230	Karim S., Malik I.R., Nazeer Q., Zaheer A., Farooq M., Mahmood N., Malik A., Asif M., Mehmood A., Khan A.R., Jabbar A., Arshad M., yousafi Q., Hussain A., Mirza Z., Iqbal M.A., Rasool M.	Molecular analysis of V617F mutation in Janus kinase 2 gene of breast cancer patients	2019	Saudi Journal of Biological Sciences	26	6	1123	1128
231	Tariq I., Yousaf A.M., Raza S.A., Shahzad Y., Hussain T., Khan I.U., Mahmood T., Jamshaid M.	Cellulosic and acrylic polymers based composites for controlled drug release	2019	Iranian Polymer Journal (English Edition)	28	9	769	776
232	Nisar M.F., Arshad M.S., Yasin M., Arshad M.U., Nadeem M.T.	Influence of irradiation and moringa leaf powder on the amino acid and fatty acid profiles of chicken meat stored under various packaging materials	2019	Journal of Food Processing and Preservation	43	9		
233	Imran A., Xiao L., Ahmad W., Anwar H., Rasul A., Imran M., Aziz N., Razzaq A., Arshad M.U., Shabbir A., Gonzalez de Aguilar	Foeniculum vulgare (Fennel) promotes functional recovery and ameliorates oxidative stress following a lesion to the sciatic nerve in mouse model	2019	Journal of Food Biochemistry	43	9		

	J.-L., Sun T., Hussain G.							
234	Akbar M.U., Bokhari T.H., Ahmad M.R., Zia K.M., Roohi S., Ayub N., Sohaib M.	Radiosynthesis, radiochemical, and biological characterization of ¹⁷⁷ Lu-labeled diethylenetriamine penta-acetic acid	2019	Journal of Cellular Biochemistry	120	9	14510	14517
235	Ghafoor R., Akram N.A., Rashid M., Ashraf M., Iqbal M., Lixin Z.	Exogenously applied proline induced changes in key anatomical features and physio-biochemical attributes in water stressed oat (<i>Avena sativa</i> L.) plants	2019	Physiology and Molecular Biology of Plants	25	5	1121	1135
236	Manzoor M.F., Ahmad N., Ahmed Z., Siddique R., Zeng X.-A., Rahaman A., Muhammad Aadil R., Wahab A.	Novel extraction techniques and pharmaceutical activities of luteolin and its derivatives	2019	Journal of Food Biochemistry	43	9		
237	Khan M.I., Shehzad A., Farooq W.A., Arfan M., ali A., Hasan M.S., Atif M., Hanif A.	900 keV Au ions implantation effect on the efficiency of dye sensitized solar cells	2019	Results in Physics	14			

238	Zulfiqar S., Tariq M., Ali Z., Fatima A., Klar J., Abdullah U., Ali A., Ramzan S., He S., Zhang J., Khan A., Shah S., Khan S., Makhdoom E.H., Schuster J., Dahl N., Baig S.M.	Whole exome sequencing identifies novel variant underlying hereditary spastic paraplegia in consanguineous Pakistani families	2019	Journal of Clinical Neuroscience	67		19	23
239	Tian C., Asghar S., Hu Z., Qiu Y., Zhang J., Shao F., Xiao Y.	Understanding the cellular uptake and biodistribution of a dual-targeting carrier based on redox-sensitive hyaluronic acid-ss-curcumin micelles for treating brain glioma	2019	International Journal of Biological Macromolecules	136		143	153
240	Zeb N., Rashid M.H., Mubarak M.Q.E., Ghafoor S., de Visser S.P.	Flavonol biosynthesis by nonheme iron dioxygenases: A computational study into the structure and mechanism	2019	Journal of Inorganic Biochemistry	198			
241	Sharif A., Ouyang J., Raza A., Imran M.A., Abbasi Q.H.	Inkjet-printed UHF RFID tag based system for salinity and sugar detection	2019	Microwave and Optical Technology Letters	61	9	2161	2168
242	Yaqoob M.Z., Ghaffar A., Alkanhal M.A.S., Aladadi Y.T.	Analysis of hybrid surface wave propagation supported by chiral metamaterialâ€“grapheneâ€“metamaterial structures	2019	Results in Physics	14			

243	Rehman A., Jacob J., Zahra R., Mahmood K., Ali A., Rehaman U., Ali Y., Ashfaq A., Ahmed W., Ikram S., Amin N., Hussain S.	Growth of Mg ₂ GeO ₄ nano-crystals on Si substrate and modulation of Seebeck coefficient by post growth annealing technique	2019	Ceramics International	45	13	16275	16278
244	Schomburg A., Brunner P., Turberg P., Guenat C., Riaz M., Le Bayon R.C., Luster J.	Pioneer plant Phalaris arundinacea and earthworms promote initial soil structure formation despite strong alluvial dynamics in a semi-controlled field experiment	2019	Catena	180		41	54
245	Akram M., Ali Shah S.M., Munir N., Daniyal M., Tahir I.M., Mahmood Z., Irshad M., Akhlaq M., Sultana S., Zainab R.	Hexose monophosphate shunt, the role of its metabolites and associated disorders: A review	2019	Journal of Cellular Physiology	234	9	14473	14482
246	Asad F., Mubarik M.S., Ali T., Zahoor M.K., Ashrad R., Qamer S.	Effect of organic and in-organic chromium supplementation on growth performance and genotoxicity of Labeo rohita	2019	Saudi Journal of Biological Sciences	26	6	1140	1145
247	Habiba U., Ali S., Rizwan M., Hussain M.B., Hussain A., Alam P., Alqarawi A.A., Hashem A., AbdAllah E.F.	The Ameliorative Role of 5-Aminolevulinic Acid (ALA) Under Cr Stress in Two Maize Cultivars Showing Differential Sensitivity to Cr Stress Tolerance	2019	Journal of Plant Growth Regulation	38	3	788	798

248	Buzdar M.A., Tariq R.U.H., Ali A.	Combating Terrorism on Intellectual Battlefields: Lenses on the Potentials of Universities in Pakistan	2019	Higher Education Policy	32	3	441	460
249	Tahir M., Ahmad I., Shahid M., Shah G.M., Farooq A.B.U., Akram M., Tabassum S.A., Naeem M.A., Khalid U., Ahmad S., Zakir A.	Regulation of antioxidant production, ion uptake and productivity in potato (<i>Solanum tuberosum</i> L.) plant inoculated with growth promoting salt tolerant <i>Bacillus</i> strains	2019	Ecotoxicology and Environmental Safety	178		33	42
250	Rizwan K., Khan S.A., Ahmad I., Rasool N., Ibrahim M., Zubair M., Jaafar H.Z.E., Manea R.	A Comprehensive Review on Chemical and Pharmacological Potential of <i>Viola betonicifolia</i> : A plant with multiple benefits	2019	Molecules	24	17		
251	Khan B., Khalid M., Shah M.R., Tahir M.N., Khan M.U., Ali A., Muhammad S.	Efficient Synthesis by Mono-Carboxy Methylation of 4,4'-Biphenol, X-ray Diffraction, Spectroscopic Characterization and Computational Study of the Crystal Packing of Ethyl 2-((4'-hydroxy-[1,1'-biphenyl]-4-yl)oxy)acetate	2019	ChemistrySelect	4	32	9274	9284
252	Waqas H., Khan S.U., Imran M., Bhatti M.M.	Thermally developed Falkner-Skan bioconvection flow of a magnetized nanofluid in the presence of a motile gyrotactic microorganism: Buongiorno's nanofluid model	2019	Physica Scripta	94	11		

253	Munawar A., Akram N.A., Ahmad A., Ashraf M.	Nitric oxide regulates oxidative defense system, key metabolites and growth of broccoli (<i>Brassica oleracea</i> L.) plants under water limited conditions	2019	Scientia Horticulturae	254		7	13
254	Samsuzzaman M., Uddin M.S., Shah M.A., Mathew B.	Natural inhibitors on airway mucin: Molecular insight into the therapeutic potential targeting MUC5AC expression and production	2019	Life Sciences	231			
255	Sharif M., Jacob J., Javed M., Manzoor A., Mahmood K., Khan M.A.	Impact of Co and Mn substitution on structural and dielectric properties of lithium soft ferrites	2019	Physica B: Condensed Matter	567		45	50
256	Shityakov S., Bigdelian E., Hussein A.A., Hussain M.B., Tripathi Y.C., Khan M.U., Shariati M.A.	Phytochemical and pharmacological attributes of piperine: A bioactive ingredient of black pepper	2019	European Journal of Medicinal Chemistry	176		149	161
257	Hussain S., Javed M.S., Ullah N., Shaheen A., Aslam N., Ashraf I., Abbas Y., Wang M., Liu G., Qiao G.	Unique hierarchical mesoporous LaCrO ₃ perovskite oxides for highly efficient electrochemical energy storage applications	2019	Ceramics International	45	12	15164	15170
258	Mehmood M.A., Ahmad M.S., Liu Q., Liu C.-G., Tahir M.H., Aloqbi A.A., Tarbiah N.I., Alsufiani	<i>Helianthus tuberosus</i> as a promising feedstock for bioenergy and chemicals appraised through pyrolysis, kinetics, and TG-FTIR-MS based study	2019	Energy Conversion and Management	194		37	45

	H.M., Gull M.							
259	Farrukh M., Lee J.W.C., Sajid M., Waheed A.	Entrepreneurial intentions: The role of individualism and collectivism in perspective of theory of planned behaviour	2019	Education and Training	61	45481	984	1000
260	Raza M.A., Nawaz T., Han D.	On designing new optimal synthetic Tukey's control charts	2019	Journal of Statistical Computation and Simulation	89	12	2218	2238
261	Bin Khidmat W., Wang M., Awan S.	The value relevance of R&D and free cash flow in an efficient investment setup: Evidence from Chinese A-listed firms	2019	Asian Journal of Accounting Research	4	1	95	111
262	Hussain T., Khalid N.	Stance of halides towards β -rays on the basis of radiation interaction parameters	2019	Radiation Effects and Defects in Solids	174	45481	647	667
263	Shi L., Raza M., Javed K., Hussain S., Arif M.	Class of analytic functions defined by q-integral operator in a symmetric region	2019	Sustainability (Switzerland)	11	8		
264	Hussain M., Abbas N., Zahra N., Sajjad U., Awan M.B.	Investigating the performance of GFRP/wood-based honeycomb sandwich panels for sustainable prefab building construction	2019	SN Applied Sciences	1	8		

265	Sheikh M.F., Bhutta A.I., Sultan J.	CEO compensation and unobserved firm performance in Pakistan	2019	Journal of Asian Finance, Economics and Business	6	3	305	313
266	Ahmed Z., Manzoor M.F., Begum N., Khan A., Shah I., Farooq U., Siddique R., Zeng X.-A., Rahaman A., Siddeeg A.	Thermo-ultrasound-based sterilization approach for the quality improvement of wheat plantlets juice	2019	Processes	7	8		
267	Rashid S., Akdemir A.O., Noor M.A., Noor K.I.	Generalization of Inequalities Analogous to Preinvex Functions via Extended Generalized Mittag-Leffler Functions	2019	2019 International Conference on Applied and Engineering Mathematics, ICAEM 2019 - Proceedings			256	263
268	Qayyum M.F., Rehman R.A., Liaqat S., Ikram M., Ali S., Rizwan M., Zia ur Rehman M., Zafar-ul-Hye M., Hussain Q.	Cadmium immobilization in the soil and accumulation by spinach (<i>Spinacia oleracea</i>) depend on biochar types under controlled and field conditions	2019	Arabian Journal of Geosciences	12	15		
269	Ahmed R., Tariq M., Hussain M., Andleeb A., Masoud M.S., Ali I., Mraiche F., Hasan A.	Phenolic contents-based assessment of therapeutic potential of <i>Syzygium cumini</i> leaves extract	2019	PLoS ONE	14	8		

270	Salehi B., Berkay Y., Imaz Y., Antika G., Boyunegmez Tumer T., Fawzi Mahomoodally M., Lobine D., Akram M., Riaz M., Capanoglu E., Sharopov F., Martins N., Cho W.C., Sharifi-Rad J.	Insights on the use of α -lipoic acid for therapeutic purposes	2019	Biomolecules	9	8		
271	Deng Y., Awan M.U., Wu S.	Quantum integral inequalities of Simpson-type for strongly preinvex functions	2019	Mathematics	7	8		
272	Kousar R., Makhdum M.S.A., Abbas A., Nasir J., Naseer M.A.R.	Issues and impacts of the apricot value chain on the upland farmers in the Himalayan range of Pakistan	2019	Sustainability (Switzerland)	11	16		
273	Khan M.U., Li P., Amjad H., Khan A.Q., Arafat Y., Waqas M., Li Z., Noman A., Islam W., Wu L., Zhang Z., Lin W.	Exploring the potential of overexpressed osCIPK2 rice as a nitrogen utilization efficient crop and analysis of its associated rhizo-compartmental microbial communities	2019	International Journal of Molecular Sciences	20	15		
274	Nadeem M., Imran M., Gondal T.A., Imran A., Shahbaz M., Amir R.M., Sajid M.W., Qaisrani T.B., Atif M., Hussain G., Salehi B., Ostrander E.A., Martorell M., Sharifi-Rad	Therapeutic potential of rosmarinic acid: A comprehensive review	2019	Applied Sciences (Switzerland)	9	15		

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275	Rehman K., Fatima F., Akash M.S.H.	Biochemical investigation of association of arsenic exposure with risk factors of diabetes mellitus in Pakistani population and its validation in animal model	2019	Environmental Monitoring and Assessment	191	8		
276	Khan Z., Nisar M.A., Muzammil S., Zafar S., Zerr I., Rehman A.	Cadmium induces GAPDH- and- MDH mediated delayed cell aging and dysfunction in Candida tropicalis 3Aer	2019	Environmental Monitoring and Assessment	191	8		
277	Irfan M., Javed M., Lin Z.	Improved Estimation of Population Mean Through Known Conventional and Non-Conventional Measures of Auxiliary Variable	2019	Iranian Journal of Science and Technology, Transaction A: Science	43	4	1851	1862
278	ul Haq A., Saeed M., Usman M., Muneer M., Maqbool T., Khosa M.K.K., Abbas N.	Performance and mechanism of removal of atrazine pesticide from aqueous media utilizing pumpkin seeds shell powder	2019	Desalination and Water Treatment	160		229	239

279	Mubeen H., Masood A., Wattoo J.I., Nasim A., Raza S.	Identification and analysis of DNA binding specific transcription factor` binding sites in sucrose synthase promoter	2019	Pakistan Journal of Botany	51	4	1297	1302
280	Ali K., Wang X., Riaz M., Islam B., Khan Z.H., Shah F., Munsif F., Ijaz Ul Haq S.	Biochar: An eco-friendly approach to improve wheat yield and associated soil properties on sustainable basis	2019	Pakistan Journal of Botany	51	4	1255	1261
281	Shafiq S., Akram N.A., Ashraf M.	Assessment of physio-biochemical indicators for drought tolerance in different cultivars of maize (Zea Mays L.)	2019	Pakistan Journal of Botany	51	4	1241	1247
282	Kalyar M.N., Shafique I., Abid A.	Role of lean manufacturing and environmental management practices in eliciting environmental and financial performance: the contingent effect of institutional pressures	2019	Environmental Science and Pollution Research	26	24	24967	24978
283	Imran M., Islam A.U., Tariq M.A., Siddique M.H., Shah N.S., Khan Z.U.H., Amjad M., Din	Synthesis of magnetite-based nanocomposites for effective removal of brilliant green dye from wastewater	2019	Environmental Science and Pollution Research	26	24	24489	24502

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284	Hussain M., Naeem M.N., Taj M.	Vibration characteristics of zigzag and chiral functionally graded material rotating carbon nanotubes sandwich with ring supports	2019	Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science	233	16	5763	5780
285	Saeed M., Muneer M., Akram N., ul Haq A., Afzal N., Hamayun M.	Synthesis and characterization of silver loaded alumina and evaluation of its photo catalytic activity on photo degradation of methylene blue dye	2019	Chemical Engineering Research and Design	148		218	226
286	Rauf A., Imran M., Abu-Izneid T., lahtisham-UI-Haq, Patel S., Pan X., Naz S., Sanches Silva A., Saeed F., Rasul Suleria H.A.	Proanthocyanidins: A comprehensive review	2019	Biomedicine and Pharmacotherapy	116			
287	Xu M., Asghar S., Dai S., Wang Y., Feng S., Jin L., Shao F., Xiao Y.	Mesenchymal stem cells-curcumin loaded chitosan nanoparticles hybrid vectors for tumor-tropic therapy	2019	International Journal of Biological Macromolecules	134		1002	1012

288	Raza M.H., Abid M., Yan T., Ali Naqvi S.A., Akhtar S., Faisal M.	Understanding farmers's intentions to adopt sustainable crop residue management practices: A structural equation modeling approach	2019	Journal of Cleaner Production	227		613	623
289	Hameed A., Shan-e-Ali Zaidi S., Sattar M.N., Iqbal Z., Tahir M.N.	CRISPR technology to combat plant RNA viruses: A theoretical model for Potato virus Y (PVY)resistance	2019	Microbial Pathogenesis	133			
290	Javed H., Rehman A., Mussadiq S., Shahid M., Khan M.A., Shakir I., Agboola P.O., Aboud M.F.A., Warsi M.F.	Reduced graphene oxide-spinel ferrite nano-hybrids as magnetically separable and recyclable visible light driven photocatalyst	2019	Synthetic Metals	254		1	9
291	Tahir M.B., Ali S., Rizwan M.	A review on remediation of harmful dyes through visible light-driven WO3 photocatalytic nanomaterials	2019	International Journal of Environmental Science and Technology	16	8	4975	4988
292	Shahid M.J., Arslan M., Siddique M., Ali S., Tahseen R., Afzal M.	Potentialities of floating wetlands for the treatment of polluted water of river Ravi, Pakistan	2019	Ecological Engineering	133		167	176
293	Mir R.A., Adeel S., Azeem M., Batool F., Khan A.A., Gul S., Iqbal N.	Green algae, <i>Cladophora glomerata</i> L.-based natural colorants: dyeing optimization and mordanting for textile processing	2019	Journal of Applied Phycology	31	4	2541	2546

294	Seneviratne M., Rajakaruna N., Rizwan M., Madawala H.M.S.P., Ok Y.S., Vithanage M.	Heavy metal-induced oxidative stress on seed germination and seedling development: a critical review	2019	Environmental Geochemistry and Health	41	4	1813	1831
295	Awad Y.M., Vithanage M., Niazi N.K., Rizwan M., Rinklebe J., Yang J.E., Ok Y.S., Lee S.S.	Potential toxicity of trace elements and nanomaterials to Chinese cabbage in arsenic- and lead-contaminated soil amended with biochars	2019	Environmental Geochemistry and Health	41	4	1777	1791
296	Ata S., Tabassum A., Bibi I., Ghafoor S., Ahad A., Bhatti M.A., Islam A., Rizvi H., Iqbal M.	Synthesis and Characterization of ZnO Nanorods as an Adsorbent for Cr(VI) Sequestration	2019	Zeitschrift fur Physikalische Chemie	233	7	995	1017
297	Atta-UI-Haq, Saeed M., Jamal M.A., Akram N., Bokhari T.H., Afaq U.	Green Synthesis of Ag-NiO and Investigation of its Catalytic Activity for Degradation of Rhodamine B Dye in Aqueous Medium	2019	Zeitschrift fur Physikalische Chemie	233	7	1047	1059
298	Ahmad B., Tariq H., Weng Q., Shillamkwese S.S., Sohail N.	When a proximate starts to gossip: Instrumentality considerations in the emergence of abusive supervision	2019	Employee Relations	41	5	851	875

299	Butt H.P., Tariq H., Weng Q., Sohail N.	I see you in me, and me in you: The moderated mediation crossover model of work passion	2019	Personnel Review	48	5	1209	1238
300	Zulfiqar F., Allaire S.E., Akram N.A., MÃ©ndez A., Younis A., Peerzada A.M., Shaukat N., Wright S.R.	Challenges in organic component selection and biochar as an opportunity in potting substrates: a review	2019	Journal of Plant Nutrition	42	45608	1386	1401
301	Adeel S., Zia K.M., Abdullah M., Rehman F.-U., Salman M., Zuber M.	Ultrasonic assisted improved extraction and dyeing of mordanted silk fabric using neem bark as source of natural colourant	2019	Natural Product Research	33	14	2060	2072
302	Ahmad G., Rasool N., Rizwan K., Altaf A.A., Rashid U., Hussein M.Z., Mahmood T., Ayub K.	Role of pyridine nitrogen in palladium-catalyzed imine hydrolysis: A Case Study of (E)-1-(3-bromothiophen-2-yl)-N-(4-methylpyridin-2-yl)methanimine	2019	Molecules	24	14		
303	Jacobs C., Singh T., Gorti G., Iftikhar U., Saeed S., Syed A., Abbas F., Ahmad B., Bhadwal S., Siderius C.	Patterns of outdoor exposure to heat in three South Asian cities	2019	Science of the Total Environment	674		264	278
304	Bashir W., Anwar S., Zhao Q., Hussain I., Xie F.	Interactive effect of drought and cadmium stress on soybean root morphology and gene expression	2019	Ecotoxicology and Environmental Safety	175		90	101

305	Bukhari S.A., Farah N., Mustafa G., Mahmood S., Naqvi S.A.R.	Magneto-Priming Improved Nutraceutical Potential and Antimicrobial Activity of Momordica charantia L. Without Affecting Nutritive Value	2019	Applied Biochemistry and Biotechnology	188	3	878	892
306	Haroon M., Khalid M., Akhtar T., Tahir M.N., Khan M.U., Saleem M., Jawaria R.	Synthesis, spectroscopic, SC-XRD characterizations and DFT based studies of ethyl2-(substituted-(2-benzylidenehydrazinyl))thiazole-4-carboxylate derivatives	2019	Journal of Molecular Structure	1187		164	171
307	Arshad M.S., Batool S.M., Khan M.K., Imran M., Ahmad M.H., Anjum F.M., Hussain S.	Bio-evaluation of functional date bars using rats as model organism against hypercholesterolemia	2019	Lipids in Health and Disease	18	1		
308	Farid M., Ali S., Saeed R., Rizwan M., Bukhari S.A.H., Abbasi G.H., Hussain A., Ali B., Zamir M.S.I., Ahmad I.	Combined application of citric acid and 5-aminolevulinic acid improved biomass, photosynthesis and gas exchange attributes of sunflower (Helianthus annuus L.) grown on chromium contaminated soil	2019	International Journal of Phytoremediation	21	8	760	767
309	Ullah A., Sohaib M., Saeed F., Iqbal S.	Prevalence of anemia and associated risk factors among pregnant women in Lahore, Pakistan	2019	Women and Health	59	6	660	671
310	Abid F., Saleem M., Yasir S., Arshad S., Qureshi S., Bajwa M.A., Ashiq S., Tanveer S., Qayyum M., Ashiq K.	CANCER EPIGENETICS AND THE ROLE OF DIETARY ELEMENTS	2019	Gomal Journal of Medical Sciences	17	3	96	104

311	Nasir S., Farooq F.B., Idrees N., Saif M.J., Saeed F.	Topological characterization of nanosheet covered by c3 and c6	2019	Processes	7	7	1	11
312	Shahid M., Ahmed T., Noman M., Javed M.T., Javed M.R., Tahir M., Shah S.M.	Non-pathogenic staphylococcus strains augmented the maize growth through oxidative stress management and nutrient supply under induced salt stress	2019	Annals of Microbiology	69	7	727	739
313	Riaz M.T., Ahmed A., Ahmad E.M., Khan M.A., Zaib A., Anwar M.F.	Steady State Analysis of HVDC Transmission System Based on MATLAB/SIMULINK	2019	1st International Conference on Electrical, Communication and Computer Engineering, ICECCE 2019				
314	Ghauri M.J., Umber S.	Exploring the Nature of Representation of Islam and Muslims in the Australian Press	2019	SAGE Open	9	4		
315	Ramzan M., Arshad M.I., Amin N., Mahmood K., Ali A., Sharif M., Ikram S., Jamil Y., Ajaz-Un-nabi M.	Effect of la and ce co-doping on structural, spectral and electrical properties of ba-ni m type hexaferrites	2019	Digest Journal of Nanomaterials and Biostructures	14	3	849	854

316	Shifa M.S., Misbah A., Munir T., Shahzad A., Usmani M.N., Khalid M., Mutabar S., Imdadullah Q., Gilani Z.A., Ul Huda Khan Asghar H.M.N.	Characterization of zirconium substituted cobalt zinc ferrites synthesized via co-precipitation technique	2019	Digest Journal of Nanomaterials and Biostructures	14	3	607	616
317	Qureshi S., Zaman M., Mahmood A., Shah S., Amjad M.W., Shaheryar Z.A., Sarfraz R.M., Khan S.M., Raja M.A.G.	Development and optimization of flurbiprofen loaded microsponges; an in-vitro evaluation	2019	Pakistan journal of pharmaceutical sciences	32	4	1773	1779
318	Aftab M., Ramzan A., Bhatti S.H., Ahmad T., Raza M.A., Shah S.M.A., Akram M.	Correlates of diabetic retinopathy: A case study	2019	Pakistan journal of pharmaceutical sciences	32	4	1909	1912
319	Kua V.M.D., Rasul A., Sreenivasan S., Rasool B., Younis T., Lai N.S.	Methadone hydrochloride and leukemia cells: Effects on cell viability, DNA fragmentation and apoptotic proteins expression level	2019	Pakistan journal of pharmaceutical sciences	32	4	1797	1803
320	Den N.Z.U., Mustafa G., Bukhari S.A., Anjum F., Qasim M., Shahid M.	Enhancement of nutraceutical and antioxidant potential of sunflower hybrid seed varieties through chemical priming	2019	Pakistan journal of pharmaceutical sciences	32	4	1901	1907

321	Bukhsh A., Hussain S., Rehman I.U., Mallhi T.H., Khan Y.H., Khaliel A.M., Telb A., Karoud M., Khan T.M.	Awareness and perception of seasonal influenza (Flu) among health science and Non-Health science university students in Pakistan: A nationwide survey	2019	Pakistan journal of pharmaceutical sciences	32	4	1789	1796
322	Naeem F., Anjum F.R., Arshad M.A., Bukhari A.A., Aslam B., Khan J.A., Arshad M.I.	Isolation and antibiotic sensitivity pattern of drug resistant bacteria in ulcerative foot of type 2 diabetic patients	2019	Pakistan journal of pharmaceutical sciences	32	4	1843	1848
323	Komal F., Mahr-Un-Nisa, Khan M.K., Ashfaq U.A., Manzoor F., Masroor A., Nadeem M., Amir R.M., Kausar R., -Huda N.-U.	Evaluation of the efficacy of different sources of omega-3 fatty acids in polycystic ovarian syndrome (PCOS) induced rats	2019	Pakistan journal of pharmaceutical sciences	32	4	1781	1788
324	Akram A., Akhtar N., Waqas M.K., Rasul A., Rehman K.U., Khan J., Iqbal M., Khan B.A.	Development, characterization and evaluation of ginger extract loaded microemulsion: In vitro and Ex vivo release studies	2019	Pakistan journal of pharmaceutical sciences	32	4	1873	1877
325	Rasul A., Al-Shawi A.A., Malik S.A., Anwar H., Rasool B., Razzaq A., Aziz N., Kamran S.K.S., Sarfraz I., Shabbir A.,	Neurada procumbens promotes functions regain in a mouse model of mechanically induced sciatic nerve injury	2019	Pakistan journal of pharmaceutical sciences	32	4	1761	1766

	Selamoglu Z., Hussain G.							
326	Mehmood Y., Khan I.U., Shahzad Y., Khalid S.H., Asghar S., Irfan M., Asif M., Khalid I., Yousaf A.M., Hussain T.	Facile synthesis of mesoporous silica nanoparticles using modified sol-gel method: Optimization and in vitro cytotoxicity studies	2019	Pakistan journal of pharmaceutical sciences	32	4	1805	1812
327	Mehmood Y., Khan I.U., Shahzad Y., Khalid S.H., Irfan M., Asghar S., Yousaf A.M., Hussain T., Khalid I.	Development and validation of a stability-Indicating RP-HPLC method for simultaneous estimation of sofosbuvir and velpatasvir in fixed dose combination tablets and plasma	2019	Pakistan journal of pharmaceutical sciences	32	4	1835	1842
328	Zainab R., Akram M., Daniyal M., Riaz M.	Awareness and Current Therapeutics of Asthma	2019	Dose-Response	17	3		
329	Bari M.W., Abrar M., Shaheen S., Bashir M., Fanchen M.	Knowledge Hiding Behaviors and Team Creativity: The Contingent Role of Perceived Mastery Motivational Climate	2019	SAGE Open	9	3		

330	Shahid M.R., Mahmood S., Hafeez S., Zahid B., Jabbar S., Ashraf R.	Blockchain based share economy trust point: Case study based validation	2019	ACM International Conference Proceeding Series				
331	Javaid M.Y., Ovinis M., Javaid M., Ullah B.	Experimental study on hydrodynamic characteristics of underwater glider	2019	Indian Journal of Geo-Marine Sciences	48	7	1091	1097
332	Anjum F., Bukhari S.A., Munir H., Shahid M., GavriÅ C., Varga I.	Biorecovery of metal ions from brown shale using orthogonal experimental array design	2019	Environmental Engineering and Management Journal	18	7	1499	1507
333	Ali N., Zafar B., Iqbal M.K., Sajid M., Younis M.Y., Dar S.H., Mahmood M.T., Lee I.H.	Modeling global geometric spatial information for rotation invariant classification of satellite images	2019	PLoS ONE	14	7		
334	Raza Z.A., Bilal U., Noreen U., Munim S.A., Riaz S., Abdullah M.U., Abid S.	Chitosan Mediated Formation and Impregnation of Silver Nanoparticles on Viscose Fabric in Single Bath for Antibacterial Performance	2019	Fibers and Polymers	20	7	1360	1367

335	Ali H., Binyamin M.A., Shafiq M.K., Gao W.	On the degree-based topological indices of some derived networks	2019	Mathematics	7	7		
336	Ahmad M.S., Mehmood M.A., Luo H., Shen B., Latif M., Ghani W.A.A.K., Alkhatabi N.A., Aloqbi A.A., Jambi E.J., Gull M., Rashid U.	Pyrolysis and thermogravimetric study to elucidate the bioenergy potential of novel feedstock produced on poor soils while keeping the environmental sustainability intact	2019	Sustainability (Switzerland)	11	13		
337	Wassem M., Baig S.A., Abrar M., Hashim M., Zia-Ur-Rehman M., Awan U., Amjad F., Nawab Y.	Impact of Capacity Building and Managerial Support on Employeesâ€™ Performance: The Moderating Role of Employeesâ€™ Retention	2019	SAGE Open	9	3		
338	Ali S., Yousaf A.M., Raza S.A., Shahzad Y., Khan I.U., Mahmood T., Hussain T., Manzoor M., Riaz H., Jamshaid M.	Preparation and in vitro characterization of polyvinylpyrrolidone-poloxamer polymeric synergy for oral drug delivery	2019	Journal of Polymer Research	26	7		
339	Waqas H., Shehzad S.A., Khan S.U., Imran M.	Novel numerical computations on flow of nanoparticles in porous rotating disk with multiple slip effects and microorganisms	2019	Journal of Nanofluids	8	7	1423	1432

340	Shad N.A., Sajid M.M., Haq A.-U., Amin N., Imran Z., Anwar H., Ali K., Hussain Z., Younus A., Javed Y.	Photocatalytic Investigation of Cadmium Oxide Nanosheets Prepared by Hydrothermal Method	2019	Arabian Journal for Science and Engineering	44	7	6669	6675
341	Mahmood N., Wang Z., Yasmin N., Manzoor W., Rahman A.	How to bend down the environmental Kuznets curve: the significance of biomass energy	2019	Environmental Science and Pollution Research	26	21	21598	21608
342	Sajid M.M., Shad N.A., Javed Y., Khan S.B., Imran Z., Hassan S., Hussain Z., Zhang Z., Amin N.	Fast Surface Charge Transfer with Reduced Band Gap Energy of FeVO ₄ /Graphene Nanocomposite and Study of Its Electrochemical Property and Enhanced Photocatalytic Activity	2019	Arabian Journal for Science and Engineering	44	7	6659	6667
343	Rafique M., Ortas I., Rizwan M., Sultan T., Chaudhary H.J., IÅŸik M., Aydin O.	Effects of Rhizophagus clarus and biochar on growth, photosynthesis, nutrients, and cadmium (Cd) concentration of maize (Zea mays) grown in Cd-spiked soil	2019	Environmental Science and Pollution Research	26	20	20689	20700
344	Ali Q., Yaseen M.R., Khan M.T.I.	Road traffic fatalities and its determinants in high-income countries: a continent-wise comparison	2019	Environmental Science and Pollution Research	26	19	19915	19929

345	Khan Z.S., Rizwan M., Hafeez M., Ali S., Javed M.R., Adrees M.	The accumulation of cadmium in wheat (<i>Triticum aestivum</i>) as influenced by zinc oxide nanoparticles and soil moisture conditions	2019	Environmental Science and Pollution Research	26	19	19859	19870
346	Ali B., Shah G.A., Traore B., Shah S.A.A., Shah S.-U.-S., Al-Solaimani S.G.M., Hussain Q., Ali N., Shahzad K., Shahzad T., Ahmad A., Muhammad S., Shah G.M., Arshad M., Hussain R.A., Shah J.A., Anwar A., Amjid M.W., Rashid M.I.	Manure storage operations mitigate nutrient losses and their products can sustain soil fertility and enhance wheat productivity	2019	Journal of Environmental Management	241		468	478
347	Shujah-ur-Rahman, Chen S., Saleem N., Bari M.W.	Financial development and its moderating role in environmental Kuznets curve: evidence from Pakistan	2019	Environmental Science and Pollution Research	26	19	19305	19319
348	Ahmad B., Ashfaq U.A., Rahman M.-U., Masoud M.S., Yousaf M.Z.	Conserved B and T cell epitopes prediction of ebola virus glycoprotein for vaccine development: An immuno-informatics approach	2019	Microbial Pathogenesis	132		243	253
349	Ali S., Rizwan M., Hussain A., Zia ur Rehman M., Ali B.,	Silicon nanoparticles enhanced the growth and reduced the cadmium accumulation in grains of wheat (<i>Triticum aestivum</i> L.)	2019	Plant Physiology and Biochemistry	140		1	8

	Yousaf B., Wijaya L., Alyemeni M.N., Ahmad P.							
350	Noman A., Aqeel M., Khalid N., Islam W., Sanaullah T., Anwar M., Khan S., Ye W., Lou Y.	Zinc finger protein transcription factors: Integrated line of action for plant antimicrobial activity	2019	Microbial Pathogenesis	132		141	149
351	Zahra R., Jacob J., Bano N., Ali A., Mahmood K., Ikram S., Arshad M.I., Ashfaq A., Rehman U., Hussain S.	Effect of secondary phases on the thermoelectric properties of Zn ₂ GeO ₄ nano-crystals grown by thermal evaporation on Au coated Si substrate	2019	Physica B: Condensed Matter	564		143	146
352	Fahad S., Khan F.A., Pandupuspitasari N., Hussain S., Khan I.A., Saeed M., Saud S., Hassan S., Adnan M., Amanullah, Arif M., Alam M., Ullah H., Hakeem K.R., Alharby H., Riaz M., Sameeullah M., Hammad H.M., Nasim W., Ahmad S., Afzal M., Alghamdi S.S., Bamagoos A.A., Abd_Allah E.F., Huang J.	Corrigendum to “Suppressing photorespiration for the improvement in photosynthesis and crop yields: A review on the role of S-allantoin as a nitrogen source” [YJEMA 237 (2019)644–651]	2019	Journal of Environmental Management	241		501	

353	Shaheen G., Akram M., Jabeen F., Ali Shah S.M., Munir N., Daniyal M., Riaz M., Tahir I.M., Ghauri A.O., Sultana S., Zainab R., Khan M.	Therapeutic potential of medicinal plants for the management of urinary tract infection: A systematic review	2019	Clinical and Experimental Pharmacology and Physiology	46	7	613	624
354	Azhar M., Zia ur Rehman M., Ali S., Qayyum M.F., Naeem A., Ayub M.A., Anwar ul Haq M., Iqbal A., Rizwan M.	Comparative effectiveness of different biochars and conventional organic materials on growth, photosynthesis and cadmium accumulation in cereals	2019	Chemosphere	227		72	81
355	Perveen N., Barot S., Maire V., Cotrufo M.F., Shahzad T., Blagodatskaya E., Stewart C.E., Ding W., Siddiq M.R., Dimassi B., Mary B., Fontaine S.	Universality of priming effect: An analysis using thirty five soils with contrasted properties sampled from five continents	2019	Soil Biology and Biochemistry	134		162	171
356	Sattar S., Ahmad T., Nisa M.-U., Imran M., Holmes M., Maycock J., Nadeem M., Khan M.K.	Microwave processing impact on physicochemical and bioactive attributes of optimized peach functional beverage	2019	Journal of Food Processing and Preservation	43	7		
357	Rehman M.Z.U., Rizwan M., Rauf A., Ayub M.A., Ali S., Qayyum M.F., Waris A.A., Naeem A.,	Split application of silicon in cadmium (Cd) spiked alkaline soil plays a vital role in decreasing Cd accumulation in rice (Oryza sativa L.) grains	2019	Chemosphere	226		454	462

	Sanaullah M.							
358	Ali A., Jacob J., Ashfaq A., Tamseel M., Mahmood K., Amin N., Hussain S., Ahmad W., Rehman U., Ikram S., Al-Othmany D.S.	Modulation of structural, optical and thermoelectric properties of sol-gel grown CZTS thin films by controlling the concentration of zinc	2019	Ceramics International	45	10	12820	12824
359	Waqas H., Khan S.U., Shehzad S.A., Imran M.	Radiative flow of Maxwell nanofluid containing gyrotactic microorganism and energy activation with convective Nield conditions	2019	Heat Transfer - Asian Research	48	5	1663	1687
360	Bhinder M.A., Sadia H., Mahmood N., Qasim M., Hussain Z., Rashid M.M., Zahoor M.Y., Bhatti R., Shehzad W., Waryah A.M., Jahan S.	Consanguinity: A blessing or menace at population level?	2019	Annals of Human Genetics	83	4	214	219
361	Mubarik M.S., Asad F., Zahoor M.K., Abid A., Ali T., Yaqub S., Ahmad S., Qamer S.	Study on survival, growth, haematology and body composition of Cyprinus carpio under different acute and chronic salinity regimes	2019	Saudi Journal of Biological Sciences	26	5	999	1002

362	Khalid M., Ullah M.A., Adeel M., Usman Khan M., Tahir M.N., Braga A.A.C.	Synthesis, crystal structure analysis, spectral IR, UV-Vis, NMR assessments, electronic and nonlinear optical properties of potent quinoline based derivatives: Interplay of experimental and DFT study	2019	Journal of Saudi Chemical Society	23	5	546	560
363	Zubair M., Widan C., Renvert S., Rumpunen K.	Water and ethanol extracts of Plantago major leaves show anti-inflammatory activity on oral epithelial cells	2019	Journal of Traditional and Complementary Medicine	9	3	169	171
364	Du H., Alexander L.V., Donat M.G., Lippmann T., Srivastava A., Salinger J., Kruger A., Choi G., He H.S., Fujibe F., Rusticucci M., Nandintsetseg B., Manzanar R., Rehman S., Abbas F., Zhai P., Yabi I., Stambaugh M.C., Wang S., Batbold A., de Oliveira P.T., Adrees M., Hou W., Zong S., Santos e Silva C.M., Lucio P.S., Wu Z.	Precipitation From Persistent Extremes is Increasing in Most Regions and Globally	2019	Geophysical Research Letters	46	11	6041	6049
365	Kanwal A., Ahmad M., Aslam S., Naqvi S.A.R., Saif M.J.	Recent Advances in Antiviral Benzimidazole Derivatives: A Mini Review	2019	Pharmaceutical Chemistry Journal	53	3	179	187

366	Naqvi S.A.R., Roohi S., Sabir H., Shahzad S.A., Aziz A., Rasheed R.	Susceptibility of 99mTc-Ciprofloxacin for Common Infection Causing Bacterial Strains Isolated from Clinical Samples: an In Vitro and In Vivo Study	2019	Applied Biochemistry and Biotechnology	188	2	424	435
367	Kosar F., Akram N.A., Sadiq M., Al-Qurainy F., Ashraf M.	Trehalose: A Key Organic Osmolyte Effectively Involved in Plant Abiotic Stress Tolerance	2019	Journal of Plant Growth Regulation	38	2	606	618
368	Afzal S., Arshad M., Saleem S., Farooq O.	The impact of perceived supervisor support on employeesâ€™ turnover intention and task performance: Mediation of self-efficacy	2019	Journal of Management Development	38	5	369	382
369	Hussain G., Huang J., Rasul A., Anwar H., Imran A., Maqbool J., Razzaq A., Aziz N., Makhdoom E.U.H., Konuk M., Sun T.	Putative roles of plant-derived tannins in neurodegenerative and neuropsychiatry disorders: An updated review	2019	Molecules	24	12		
370	Liu S., Ali S., Yang R., Tao J., Ren B.	A newly discovered Cd-hyperaccumulator Lantana camara L.	2019	Journal of Hazardous Materials	371		233	242

371	Zhou S., Chen M., Zhang Y., Gao Q., Noman A., Wang Q., Li H., Chen L., Zhou P., Lu J., Lou Y.	Osmkk3, a stress-responsive protein kinase, positively regulates rice resistance to nilaparvata lugens via phytohormone dynamics	2019	International Journal of Molecular Sciences	20	12		
372	Khalid M., Hussain R., Hussain A., Ali B., Jaleel F., Imran M., Assiri M.A., Khan M.U., Ahmed S., Abid S., Haq S., Saleem K., Majeed S., Tariq C.J.	Electron donor and acceptor influence on the nonlinear optical response of diacetylene-functionalized organic materials (DFOMs): Density functional theory calculations	2019	Molecules	24	11		
373	Sajid M., Yasmin T., Asad F., Qamer S.	Changes in HMF content and diastase activity in honey after heating treatment	2019	Pesquisa Agropecuaria Brasileira	8	2	1668	1674
374	Parveen G., Mukhtar N., Kaleemullah K., Sheikh M.K.	Enhancement of growth and suppressing the root diseases of tomato plant by using organic amendment	2019	Pesquisa Agropecuaria Brasileira	8	2	1092	1099
375	Ullah A.	Integration of fata in Khyber Pukhtunkhwa (KP): Impact on China-Pakistan economic corridor (CPEC)	2019	FWU Journal of Social Sciences	13	1	48	53
376	Naqvi S.A.A., Jan B., Shaikh S., Kazmi S.J.H., Waseem L.A., Nasar-U-Minallah M., Abbas N.	Changing climatic factors favor dengue transmission in Lahore, Pakistan	2019	Environments - MDPI	6	6		

377	Rashid S., Noor M.A., Noor K.I.	New estimates for exponentially convex functions via conformable fractional operator	2019	Fractal and Fractional	3	2	1	16
378	Muhammad Z., Ramzan R., Abdelazez A., Amjad A., Afzaal M., Zhang S., Pan S.	Assessment of the antimicrobial potentiality and functionality of Lactobacillus plantarum strains isolated from the conventional inner mongolian fermented cheese against foodborne pathogens	2019	Pathogens	8	2		
379	Perveen S., Yousaf M., Mushtaq M.N., Sarwar N., Khan M.Y., Nadeem S.M.	Bioherbicidal potential of some allelopathic agroforestry and fruit plant species against lepidium sativum	2019	Soil and Environment	38	1	119	126
380	Ijaz M., Sher A., Sattar A., Shahid M., Nawaz A., Ul-Allah S., Tahir M., Ahmad S., Saqib M.	Response of canola (Brassica napus L.) to exogenous application of nitrogen, salicylic acid and gibberellic acid under an arid climate	2019	Soil and Environment	38	1	90	96
381	Bader Ul Ain H., Saeed F., Khan M.A., Niaz B., Khan S.G., Anjum F.M., Tufail T., Hussain S.	Comparative study of chemical treatments in combination with extrusion for the partial conversion of wheat and sorghum insoluble fiber into soluble	2019	Food Science and Nutrition	7	6	2059	2067

382	Salman S., Shah F.H.	Difficulties getting published in high-impact journals	2019	Hong Kong Medical Journal	25	3	258	259
383	Siddique M., Rasheed A., Jamil M., Javed A., Sumera P.	KdV acoustic structure with exchange-correlation potential in plasmas	2019	European Physical Journal Plus	134	6		
384	Khalid A., Naeem M.N., Ullah Z., Ghaffar A., Baleanu D., Nisar K.S., Al-Qurashi M.M.	Numerical solution of the boundary value problems arising in magnetic fields and cylindrical shells	2019	Mathematics	7	6		
385	Tufail M.B., Mustafa G., Joyia F.A., Mushtaq Z., Ghazala, Khan M.S.	Establishment of proficient in vitro mass multiplication and regeneration system for enhanced production of stevioside and rebaudioside a in Stevia rebaudiana	2019	Journal of Animal and Plant Sciences	29	3	796	802
386	Abbas F., Qureshi N.A., Khan N., Ashraf M., Iqbal K.J.	Study on the digestibility and growth potential of artificial feeds in Catla catla, Cirrhinus mrigala and Labeo rohita	2019	Journal of Animal and Plant Sciences	29	3	695	702

387	Rehman M.Z., Rizwan M., Sohail M.I., Ali S., Waris A.A., Khalid H., Naeem A., Ahmad H.R., Rauf A.	Opportunities and challenges in the remediation of metal-contaminated soils by using tobacco (<i>Nicotiana tabacum</i> L.): a critical review	2019	Environmental Science and Pollution Research	26	18	18053	18070
388	Sattar M.S., Shakoor M.B., Ali S., Rizwan M., Niazi N.K., Jilani A.	Comparative efficiency of peanut shell and peanut shell biochar for removal of arsenic from water	2019	Environmental Science and Pollution Research	26	18	18624	18635
389	Raza M., Sokół J., Mushtaq S.	Differential Subordinations for Analytic Functions	2019	Iranian Journal of Science and Technology, Transaction A: Science	43	3	883	890
390	Javed M., Irfan M., Pang T., Lin Z.	On Improved Estimation of Population Mean Using Known Coefficient of Skewness of an Auxiliary Variable	2019	Iranian Journal of Science and Technology, Transaction A: Science	43	3	1139	1149
391	Shahid M., Javed M.T., Masood S., Akram M.S., Azeem M., Ali Q., Gilani R., Basit F., Abid A., Lindberg S.	<i>Serratia</i> sp. CP-13 augments the growth of cadmium (Cd)-stressed <i>Linum usitatissimum</i> L. by limited Cd uptake, enhanced nutrient acquisition and antioxidative potential	2019	Journal of Applied Microbiology	126	6	1708	1721

392	Iqbal A., Jawad A.	Thermodynamics in loop quantum cosmology with non-canonical scalar field model	2019	International Journal of Geometric Methods in Modern Physics	16	6		
393	Anwar S., Khan S., Hussain I., Bashir R., Fahad S.	Chelators induced uptake of cadmium and modulation of water relation, antioxidants, and photosynthetic traits of maize	2019	Environmental Science and Pollution Research	26	17	17577	17590
394	Alhumade H., da Silva J.C.G., Ahmad M.S., Ākman G., YÄ±dÄ±z A., Ceylan S., Elkamel A.	Investigation of pyrolysis kinetics and thermal behavior of Invasive Reed Canary (Phalaris arundinacea)for bioenergy potential	2019	Journal of Analytical and Applied Pyrolysis	140		385	392
395	Afridi M.S., Amna, Sumaira, Mahmood T., Salam A., Mukhtar T., Mehmood S., Ali J., Khatoon Z., Bibi M., Javed M.T., Sultan T., Chaudhary H.J.	Induction of tolerance to salinity in wheat genotypes by plant growth promoting endophytes: Involvement of ACC deaminase and antioxidant enzymes	2019	Plant Physiology and Biochemistry	139		569	577
396	LewiÅska K., Karczewska A., Siepak M., Szopka K., GaÅka B., Iqbal M.	Effects of waterlogging on the solubility of antimony and arsenic in variously treated shooting range soils	2019	Applied Geochemistry	105		7	16

397	Shah S.A.A., Athir N., Imran M., Cheng J., Zhang J.	Thermo-mechanically improved curcumin and zwitterion incorporated polyurethane-urea elastomers	2019	Polymer Degradation and Stability	164		28	35
398	Jacob J., Wahid R., Ali A., Zahra R., Ikram S., Amin N., Ashfa A., Rehman U., Hussain S., Al-Othmany D.S., Ilyas S.Z., Mahmood K.	Growth of Cu ₂ InO ₄ thin films on Si substrate by thermal evaporation technique and enhancement of thermoelectric properties by post-growth annealing	2019	Physica B: Condensed Matter	562		59	62
399	Sabir S., Akash M.S.H., Fiayyaz F., Saleem U., Mehmood M.H., Rehman K.	Role of cadmium and arsenic as endocrine disruptors in the metabolism of carbohydrates: Inserting the association into perspectives	2019	Biomedicine and Pharmacotherapy	114			
400	Ramzan S., Shaheen S., Hussain K., Sharifi-Rad J., Khan M.A., Harun N., Jaffer M., Khan F.	Implication of palynological techniques for the authentication of adulterated drugs traded with the same name in different herbal markets of district Lahore, Pakistan	2019	Microscopy Research and Technique	82	6	931	940
401	Ashfaq A., Jacob J., Bano N., Nabi M.A.U., Ali A., Ahmad W., Mahmood K., Arshad M.I., Ikram S., Rehman U., Amin N., Hussain S.	A two step technique to remove the secondary phases in CZTS thin films grown by sol - gel method	2019	Ceramics International	45	8	10876	10881

402	Zahoor M.-K., Poidevin M., Lecerf C., Garrido D., Montagne J.	A Drosophila genetic screen for suppressors of S6kinase-dependent growth identifies the F-box subunit Archipelago/FBXW7	2019	Molecular Genetics and Genomics	294	3	573	582
403	Abbas Z., Nazir H.Z., Akhtar N., Riaz M., Abid M.	An enhanced approach for the progressive mean control charts	2019	Quality and Reliability Engineering International	35	4	1046	1060
404	Rizvi S.F.A., Tariq S., Mehdi M., Hassan A.J.	Synthesis of 99mTc-roxithromycin: A novel diagnostic agent to discriminate between septic and aseptic inflammation	2019	Chemical Biology and Drug Design	93	6	1166	1174
405	Imran M., Hussain A., Anwar Z., Irshad M., Jabeen F.	Beta-Glucosidase Production Optimization from Newly Isolated Aspergillus tubingensis IMMIS2 Using Taguchi Statistical Design	2019	Iranian Journal of Science and Technology, Transaction A: Science	43	3	701	707
406	Iqbal S., Arif M., Thierfelder C., Yasmeen T., Li T.	Reducing nitrogen losses and increasing maize productivity in organic manures-amended soils by increasing the ridge to furrow proportion	2019	Experimental Agriculture	55	3	428	442
407	Tauqeer H.M., ur-Rahman M., Hussain S., Abbas F., Iqbal M.	The potential of an energy crop "Conocarpus erectus" for lead phytoextraction and phytostabilization of chromium, nickel, and cadmium: An excellent option for the management of multi-metal contaminated soils	2019	Ecotoxicology and Environmental Safety	173		273	284

408	Shahbaz A.K., Adnan Ramzani P.M., Saeed R., Turan V., Iqbal M., LewiÅ„ska K., Abbas F., Saqib M., Tauqeer H.M., Iqbal M., Fatima M., Rahman M.-U.	Effects of biochar and zeolite soil amendments with foliar proline spray on nickel immobilization, nutritional quality and nickel concentrations in wheat	2019	Ecotoxicology and Environmental Safety	173		182	191
409	Hussain A., Ali S., Rizwan M., Rehman M.Z.U., Qayyum M.F., Wang H., Rinklebe J.	Responses of wheat (Triticum aestivum) plants grown in a Cd contaminated soil to the application of iron oxide nanoparticles	2019	Ecotoxicology and Environmental Safety	173		156	164
410	Siddique M., Khan N.M., Saeed M.	Photocatalytic Activity of Bismuth Ferrite Nanoparticles Synthesized via Sol-Gel Route	2019	Zeitschrift fur Physikalische Chemie	233	5	595	607
411	Javaid M.A., Zia K.M., Khera R.A., Jabeen S., Mumtaz I., Younis M.A., Shoaib M., Bhatti I.A.	Evaluation of cytotoxicity, hemocompatibility and spectral studies of chitosan assisted polyurethanes prepared with various diisocyanates	2019	International Journal of Biological Macromolecules	129		116	126

412	Khalid N., Abbas M., Iqbal M.K.	Non-polynomial quintic spline for solving fourth-order fractional boundary value problems involving product terms	2019	Applied Mathematics and Computation	349		393	407
413	Mushtaq M.A., Sultan A., Razzaq A., Ehsaan-Ur-Rehman, Inaam-Ur-Rehman M.	New cryptographic algorithm based on CFA	2019	ACM International Conference Proceeding Series			203	208
414	Mushtaq M.A., Sultan A., Afrasayab M., Zubair T., Abid-Bin-Shakir	New cryptographic algorithm using ASCII values and gray code (AGC)	2019	ACM International Conference Proceeding Series			242	246
415	Zhang M.-M., Xiong L., Tang Y.-J., Mehmood M.A., Zhao Z.K., Bai F.-W., Zhao X.-Q.	Enhanced acetic acid stress tolerance and ethanol production in <i>Saccharomyces cerevisiae</i> by modulating expression of the de novo purine biosynthesis genes	2019	Biotechnology for Biofuels	12	1		
416	Ali Q., Yaseen M.R., Khan M.T.I.	Energy budgeting and greenhouse gas emission in cucumber under tunnel farming in Punjab, Pakistan	2019	Scientia Horticulturae	250		168	173
417	Din S.U., Sajid M., Imran M., Iqbal J., Shah B.A., Azeem Ullah M., Shah S.	One step facile synthesis, characterization and antimicrobial properties of Mg-doped CuO nanostructures	2019	Materials Research Express	6	8		

418	Shehzad K., Afrasayab M., Khan M., Mushtaq M.A., Ahmed R.L., Mohsin Saleemi M.	Use of blockchain in internet of things: A systematic literature review	2019	Proceedings - 2019 Cybersecurity and Cyberforensics Conference, CCC 2019			165	171
419	Akram A., Rasul A., Waqas M.K., Irfan M., Khalid S.H., Aamir M.N., Murtaza G., Ur Rehman K., Iqbal M., Khan B.A.	Development, characterization and evaluation of in-vitro anti-inflammatory activity of ginger extract based micro emulsion	2019	Pakistan journal of pharmaceutical sciences	32	3	1327	1332
420	Malik S.N., Shahzadi N., Raza M., Ul Haq W., Zainab S.	On starlikeness and uniform convexity of certain integral operators defined by struve functions	2019	Maejo International Journal of Science and Technology	13	2	82	95
421	Saleem A., Saleem M., Akhtar M.F., Sharif A., Javaid Z., Sohail K.	In vitro and in vivo anti-arthritis evaluation of Polystichum braunii to validate its folkloric claim	2019	Pakistan journal of pharmaceutical sciences	32	3	1167	1173
422	Mehmood H.Q., Faran S.A., Chaudhry M.A., Khalid S.H., Khan I.U., Hassan W., Ashfaq R., Asghar S.	An assessment of bioavailability of acrylate based pH-sensitive complexes of lovastatin	2019	Pakistan journal of pharmaceutical sciences	32	3	1129	1136

423	Nawaz Z., Zahoor M.K., Siddique A.B., Aslam B., Muzammil S., Yasmin A., Fayyaz I., Zahoor M.A.	Molecular identification of blaCTX-M and blaTEM genes among multi-drug resistant Enteropathogenic Escherichia coli isolated from children	2019	Pakistan journal of pharmaceutical sciences	32	3	1215	1218
424	Hussain G., Ashfaq U.A., Rahman M., Masoud M.S., Nahid N., Bhinder M.A., Aslam N., Yousaf N., Ahmed U., Qasim M.	Computational screening of phytochemicals against survivin protein: A potent target for cancer	2019	Pakistan journal of pharmaceutical sciences	32	3	1145	1154
425	Ahmed B., Munir B., Ghaffar A., Yameen M., Jalal F., Farooq M.U., Shehzadi S., Ashraf S., Liaqat A.	Pharmacokinetics profile of serum and cellular Sofosbuvir along with its concentration effect analysis in HCV patients receiving Sofosbuvir and Ribavirin	2019	Pakistan journal of pharmaceutical sciences	32	3	1269	1274
426	Virk N.A., Aziz-Ur-Rehman, Abbasi M.A., Siddiqui S.Z., Ashraf A., Iqbal J., Rasool S., Khalid H., Laullo S.J., Khan S.U., Shah S.A.A.	Biological screening and docking studies of unique hybrids synthesized by conventional versus microwave-assisted techniques	2019	Tropical Journal of Pharmaceutical Research	18	5	1109	1117

427	Munir T., Kashif M., Mahmood K., Imran M., Ali A., Sabir N., Amin N., Mahmood A., Ali H., Ahmed N.	Impact of silver dopant on structural, optical and electrical properties of ZnO nanoparticles	2019	Journal of Ovonic Research	15	3	173	179
428	Daniyal M., Akram M., Zainab R., Munir N., Shah S.M.A., Liu B., Wang W., Riaz M., Jabeen F.	Progress and prospects in the management of psoriasis and developments in phyto-therapeutic modalities	2019	Dermatologic Therapy	32	3		
429	Saleem U., Raza Z., Anwar F., Ahmad B., Hira S., Ali T.	Experimental and computational studies to characterize and evaluate the therapeutic effect of albizia lebbeck (L.) seeds in alzheimerâ€™s disease	2019	Medicina (Lithuania)	55	5		
430	Mir N.T., Saleem U., Anwar F., Ahmad B., Ullah I., Hira S., Ismail T., Ali T., Ayaz M.	Lawsonia inermis markedly improves cognitive functions in animal models and modulate oxidative stress markers in the brain	2019	Medicina (Lithuania)	55	5		
431	Israr H., Rasool N., Rizwan K., Hashmi M.A., Mahmood T., Rashid U., Hussein M.Z., Akhtar M.N.	Synthesis and reactivities of triphenyl acetamide analogs for potential nonlinear optical material uses	2019	Symmetry	11	5		

432	Faheem S., Baheti V., Nahid N., Tunak M., Wiener J., Militky J.	Flame Retardancy, Physiological Comfort and Durability of Casein Treated Cotton Fabrics	2019	Fibers and Polymers	20	5	1011	1020
433	Iqbal W., Naeem M.N., Jalil M.	Numerical analysis of Williamson fluid flow along an exponentially stretching cylinder	2019	AIP Advances	9	5		
434	Bader Ul Ain H., Saeed F., Khan M.A., Niaz B., Rohi M., Nasir M.A., Tufail T., Anbreen F., Anjum F.M.	Modification of barley dietary fiber through thermal treatments	2019	Food Science and Nutrition	7	5	1816	1820
435	Rafiq M., Kamran M., Ahmed N., Mohyud-Din S.T., Bashir Y., Haider S.A., Farwa S., Tahir M.	Analytical solution for the flow of second grade fluid over a stretching sheet	2019	AIP Advances	9	5		
436	Afshan, Ahmad S., Imran M., Nawaz R., Arshad M., Dar M.E.U.I., Siddque M.H., Nadeem M., Ali L.	Role of phosphorous mining in mobilization and bioaccessibility of heavy metals in soil-plant system: Abbottabad, Pakistan	2019	Arabian Journal of Geosciences	12	10		

437	Hassan S., Ahmad N., Ahmad T., Imran M., Xu C., Khan M.K.	Microwave processing impact on the phytochemicals of sorghum seeds as food ingredient	2019	Journal of Food Processing and Preservation	43	5		
438	Ans M., Iqbal J., Eliasson B., Saif M.J., Javed H.M.A., Ayub K.	Designing of non-fullerene 3D star-shaped acceptors for organic solar cells	2019	Journal of Molecular Modeling	25	5		
439	Heravi K.M., Manzoor I., Watzlawick H., de Jong A., Kuipers O.P., Altenbuchner J.	Phosphosugar stress in Bacillus subtilis: Intracellular accumulation of mannose 6-phosphate derepressed the glcR- phoC operon from repression by GlcR	2019	Journal of Bacteriology	201	9		
440	Usmani S., Rasheed R., Al Kandari F., Marafi F., Naqvi S.A.R.	225Ac Prostate-Specific Membrane Antigen Posttherapy Imaging: Comparing 2 and 3 Photopeaks	2019	Clinical Nuclear Medicine	44	5	401	403
441	Yaseen M., Farooq Z., Mahmood M.H.R., Ahmad S.A., Nazir S., Anjum K.M., Naqvi S.A.R.	Synthesis of Novel Symmetric Porphyrin Schiff Base Dimers by Solidâ€Liquid Reaction Methodology	2019	Journal of Heterocyclic Chemistry	56	5	1520	1529
442	Shahid M.J., Tahseen R., Siddique M., Ali S., Iqbal S., Afzal M.	Remediation of polluted river water by floating treatment wetlands	2019	Water Science and Technology: Water Supply	19	3	967	977

443	Shahzadi S., Khan Z., Rehman A., Nisar M.A., Hussain S.Z., Asma S.T.	Isolation and characterization of bacillus amyloliquefaciens 6A: A novel kerosene oil degrading bacterium	2019	Environmental Technology and Innovation	14			
444	Farooq M.U., Shahzad U., Sarwar S., Zaijun L.	The impact of carbon emission and forest activities on health outcomes: Empirical evidence from China	2019	Environmental Science and Pollution Research	26	13	12894	12906
445	Mohsin N.-U.-A., Seebacher W., Hochegger P., Faist J., Saf R., Kaiser M., MÃrser P., Weis R.	Synthesis of new 1-benzyl tetrahydropyridin-4-ylidene piperidinium salts and their antiplasmodial and antitrypanosomal activities	2019	Medicinal Chemistry Research	28	5	742	753
446	Fahad S., Khan F.A., Pandupuspitasari N., Hussain S., Khan I.A., Saeed M., Saud S., Hassan S., Adnan M., Amanullah, Arif M., Alam M., Ullah H., Hakeem K.R., Alharby H., Riaz M., Sameeullah M., Hammad H.M., Nasim W., Ahmad S., Afzal M., Alghamdi S.S., Bamagoos A.A., Abd_Allah E.F.,	Suppressing photorespiration for the improvement in photosynthesis and crop yields: A review on the role of S- allantoin as a nitrogen source	2019	Journal of Environmental Management	237		644	651

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447	Awan A.B., Zubair M., Praveen R.P., Bhatti A.R.	Design and comparative analysis of photovoltaic and parabolic trough based CSP plants	2019	Solar Energy	183		551	565
448	Imran A., Butt M.S., Xiao H., Imran M., Rauf A., Mubarak M.S., Ramadan M.F.	Inhibitory effect of black tea (Camellia sinensis) theaflavins and thearubigins against HCT 116 colon cancer cells and HT 460 lung cancer cells	2019	Journal of Food Biochemistry	43	5		
449	Rizwan M., Ali S., Zia ur Rehman M., Adrees M., Arshad M., Qayyum M.F., Ali L., Hussain A., Chatha S.A.S., Imran M.	Alleviation of cadmium accumulation in maize (Zea mays L.) by foliar spray of zinc oxide nanoparticles and biochar to contaminated soil	2019	Environmental Pollution	248		358	367
450	Shah M.A., Reanmongkol W., Radenahmad N., Khalil R., Ul-Haq Z., Panichayupakaranant P.	Anti-hyperglycemic and anti-hyperlipidemic effects of rhinacanthins-rich extract from Rhinacanthus nasutus leaves in nicotinamide-streptozotocin induced diabetic rats	2019	Biomedicine and Pharmacotherapy	113			
451	Riaz M., Yasmeen T., Arif M.S., Ashraf M.A., Hussain Q., Shahzad S.M., Rizwan M.,	Variations in morphological and physiological traits of wheat regulated by chromium species in long-term tannery effluent irrigated soils	2019	Chemosphere	222		891	903

	Mehmood M.W., Zia A., Mian I.A., Fahad S.							
452	Hussain B., Fatima M., Al-Ghanim K.A., Mahboob S.	Environmentally induced nephrotoxicity and histopathological alternations in Wallago attu and Cirrhinus mrigla	2019	Saudi Journal of Biological Sciences	26	4	752	757
453	Elahi I., Alay-e-Abbas S.M., Nazir S., Shaukat A., Tahir M.N.	Evaluation of thermodynamics and p-type ferromagnetism of C, Si and Ge doped ZnX (X=S, Se and Te) semiconductors	2019	Journal of Magnetism and Magnetic Materials	477		249	257
454	Imran M., Hussain F., Hayat S.S., Khalil R.M.A., Munir T., Sattar M.A., Rehman A., Javid M.A., Ahmad S.A.	A study of surface diffusion of ternary (Cu-Ag-Zr) adatoms clusters for applications in thin film formation	2019	Surface and Interface Analysis	51	5	489	497
455	Ali Khan R.S., Habib M., Ali W., Salah Ud Din Shah M., Ashraf A., Ali Tahir Z., Helal Z.H., Khan M.I., Mahboob S., A-Al- Ghanim K., Al-Misned F.	Phylogenetic analysis of Infectious Bursal Disease viruses according to newly proposed model of classification into geno-groups	2019	Journal of Infection and Public Health	12	3	410	418
456	Zahid F.M., Heumann C.	Multiple imputation with sequential penalized regression	2019	Statistical Methods in Medical Research	28	5	1311	1327

457	Yu F., Asghar S., Zhang M., Zhang J., Ping Q., Xiao Y.	Local strategies and delivery systems for the treatment of malignant gliomas	2019	Journal of Drug Targeting	27	4	367	378
458	Hussain F., Imran M., Rasheed U., Khalil R.M.A., Rana A.M., Kousar F., Arshad Javid M., Hayat S.S.	A First Principle Study of Graphene/Metal-Oxides as Nano-Composite Electrode Materials for Supercapacitors	2019	Journal of Electronic Materials	48	4	2343	2349
459	Hussain M., Naeem M.N.	Effects of ring supports on vibration of armchair and zigzag FGM rotating carbon nanotubes using Galerkin's method	2019	Composites Part B: Engineering	163		548	561
460	Jamil A., Ahsan M., Farooq T., Hussain A., Ashraf R.	Student performance prediction using algorithms of data mining	2019	Proceedings - 2018 4th International Conference on Computing, Engineering, and Design, ICCED 2018			244	249
461	Rafique M.M., Ali Shakir M., Zahid I., Chohan G.Y.	An Integrated Long Term Energy Forecasting Approach for Sustainable Energy Mix in Pakistan	2019	4th International Conference on Power Generation Systems and Renewable Energy Technologies, PGSRET 2018				

462	Shad N.A., Bajwa S.Z., Amin N., Taj A., Hameed S., Khan Y., Dai Z., Cao C., Khan W.S.	Solution growth of 1D zinc tungstate (ZnWO ₄) nanowires; design, morphology, and electrochemical sensor fabrication for selective detection of chloramphenicol	2019	Journal of Hazardous Materials	367		205	214
463	Akram N., Zia K.M., Sattar R., Tabassum S., Saeed M.	Thermomechanical investigation of hydroxyl-terminated polybutadiene-based linear polyurethane elastomers	2019	Journal of Applied Polymer Science	136	13		
464	Aslam M., Raza M.A.	Design of New Sampling Plans for Multiple Manufacturing Lines Under Uncertainty	2019	International Journal of Fuzzy Systems	21	3	978	992
465	Khan N., Naqvi S.A.R., Sohail H., Roohi S., Jamal M.A.	Technetium-99m labeled Ibuprofen: Development and biological evaluation using sterile inflammation induced animal models	2019	Molecular Biology Reports	46	3	3093	3100
466	Noman A., Aqeel M., Lou Y.	PRRs and NB-LRRs: From signal perception to activation of plant innate immunity	2019	International Journal of Molecular Sciences	20	8		
467	Rehman A., Shahid H., Sultan A., Afzal M.A., Tahir M.O.	Deforestation Analysis of Northern Areas(Pakistan) using Image Processing and Maximum Likelihood Supervised Classification	2019	2019 2nd International Conference on Communication, Computing and Digital Systems, C-CODE 2019			205	210

468	Mustafa S.B., Akram M., Muhammad Asif H., Qayyum I., Hashmi A.M., Munir N., Khan F.S., Riaz M., Ahmad S.	Antihyperglycemic Activity of Hydroalcoholic Extracts of Selective Medicinal Plants <i>Curcuma longa</i> , <i>Lavandula stoechas</i> , <i>Aegle marmelos</i> , and <i>Glycyrrhiza glabra</i> and Their Polyherbal Preparation in Alloxan-Induced Diabetic Mice	2019	Dose-Response	17	2		
469	Hameed A., Farooq T., Hameed A., Sheikh M.A.	Sodium silicate seed priming leads to enhanced antioxidative protection of wheat (<i>Triticum aestivum</i> L.) seedlings under water-deficit stress	2019	Agrochimica	63	2	185	195
470	Nawaz Z., Siddique A.B., Zahoor M.A., Aslam B., Zahoor M.K., Ali S., Ali S.	Detection of foot and mouth disease virus shedding in milk of apparently healthy buffaloes and cattle of punjab, pakistan	2019	Buffalo Bulletin	38	2	255	261
471	Akhter N., Iqbal T., Jamil A., Akram M., Mehmood Tahir I., Munir N.	Determination of Arylamine N-Acetyltransferase 2 Acetylation Genotype by PCR and Phenotyping Using Dapsone Through High-Pressure Liquid Chromatography Assay: A Gender Wise Study	2019	Dose-Response	17	2		
472	Akhtar M.N., Mushtaq Z., Ahmad N., Khan M.K., Ahmad M.H., Hussain A.I., Imran M.	Optimal ultrasound-assisted process extraction, characterization, and functional product development from flaxseed meal derived polysaccharide gum	2019	Processes	7	4		

473	Wei C.-C., Ali H., Binyamin M.A., Naeem M.N., Liu J.-B.	Computing degree based topological properties of third type of hex-derived networks	2019	Mathematics	7	4		
474	Ahmad K., Mustafa S., Din M.U., ur Rehman S., Raza M., Arif M.	On geometric properties of normalized hyper-Bessel functions	2019	Mathematics	7	4		
475	Shah S.M.A., Akram M., Riaz M., Munir N., Rasool G.	Cardioprotective Potential of Plant-Derived Molecules: A Scientific and Medicinal Approach	2019	Dose-Response	17	2		
476	Shaffique S., Ahmad S., Rehman T., Anwar H., Asif H.M., Hussain G., Abbasi W.M.	Antihyperuricemic activity of gum of calophyllum inophyllum ultra high dilutions in potassium oxonate induced wister albino rats	2019	Indian Journal of Traditional Knowledge	18	2	356	359
477	Mahmood S., Srivastava H.M., Malik S.N., Raza M., Shahzadi N., Zainab S.	A certain family of integral operators associated with the Struve functions	2019	Symmetry	11	4		

478	Saleem M., Javed F., Asif M., Baig M.K., Arif M.	HPLC analysis and in vivo renoprotective evaluation of hydroalcoholic extract of cucumis melo seeds in gentamicin-induced renal damage	2019	Medicina (Lithuania)	55	4		
479	Naz A.G., Aslam M.A., Khan A.U.H., Rasul S., Manzoor H., Iqbal R., Shehzad A., Ali M.	Genetic polymorphism in association with susceptibility to tuberculosis: a study in a Pakistani population	2019	Brazilian Journal of Microbiology	50	2	429	434
480	Shehzad M.H., Bashir M., Yaqoob M.Z., Ghaffar A., Alkanhal M., Khan Y.	Characteristics of electromagnetic wave transmission and reflection from isotropic plasma coated circular nihility cylinder	2019	AIP Advances	9	4		
481	Arshad M., Iqbal M., Ashraf M.Y., Ali Q., Iqbal N.	Exogenous sodium nitroprusside increases antioxidative potential and grain yield of bread wheat exposed to cadmium	2019	Pakistan Journal of Botany	51	2	409	420
482	Shahid M., Hameed S., Zafar M., Tahir M., Ijaz M., Tariq M., Hussain K., Ali A.	Enterobacter sp. strain Fs-11 adapted to diverse ecological conditions and promoted sunflower achene yield, nutrient uptake, and oil contents	2019	Brazilian Journal of Microbiology	50	2	459	469

483	Ijaz M., Tahir M., Shahid M., Ul-Allah S., Sattar A., Sher A., Mahmood K., Hussain M.	Combined application of biochar and PGPR consortia for sustainable production of wheat under semiarid conditions with a reduced dose of synthetic fertilizer	2019	Brazilian Journal of Microbiology	50	2	449	458
484	Bari M.W., Abrar M., Bashir M., Baig S.A., Fanchen M.	Soft Issues During Cross-Border Mergers and Acquisitions and Industry Performance, Chinaâ€‘Pakistan Economic Corridor Based View	2019	SAGE Open	9	2		
485	Shehzadi A., Akram N.A., Ali A., Ashraf M.	Exogenously applied glycinebetaine induced alteration in some key physio-biochemical attributes and plant anatomical features in water stressed oat (Avena sativa L.) plants	2019	Journal of Arid Land	11	2	292	305
486	Iqbal Z., Abbas F., Ibrahim M., Ayyaz M.M., Ali S., Mahmood A.	Surveillance of heavy metals in maize grown with wastewater and their impacts on animal health in peri-urban areas of multan, Pakistan	2019	Pakistan Journal of Agricultural Sciences	56	2	321	328
487	Rasheed R., Usmani S., Raza Naqvi S., Alkandari F., Marafi F., Rasheed S.	Optimization of radiation exposure in 18F-sodium fluoride positron emission tomography-computed tomography in bone imaging: Quo vadis	2019	Indian Journal of Nuclear Medicine	34	2	157	159
488	Bader Ul Ain H., Saeed F., Ahmed A., Asif Khan M., Niaz B., Tufail T.	Improving the physicochemical properties of partially enhanced soluble dietary fiber through innovative techniques: A coherent review	2019	Journal of Food Processing and Preservation	43	4		

489	Hafeez F., Zafar N., Nazir R., Javeed H.M.R., Rizwan M., Faridullah, Asad S.A., Iqbal A.	Assessment of flood-induced changes in soil heavy metal and nutrient status in Rajanpur, Pakistan	2019	Environmental Monitoring and Assessment	191	4		
490	Zohaib A., Niazi S.K., Saqib M., Sajid M.S., Khan I., Sial A.-U.-R., Athar M.A., Taj Z., Abbas G., Rathore M.A., Ghani E., Naeem M.A., Imran M., Iqbal N., Rehman S.-U., Waruhiu C., Shi Z.-L.	Detection of West Nile virus lineage 1 sequences in blood donors, Punjab Province, Pakistan	2019	International Journal of Infectious Diseases	81		137	139
491	Ali S., Rizwan M., Noureen S., Anwar S., Ali B., Naveed M., Abd_Allah E.F., Alqarawi A.A., Ahmad P.	Combined use of biochar and zinc oxide nanoparticle foliar spray improved the plant growth and decreased the cadmium accumulation in rice (Oryza sativa L.) plant	2019	Environmental Science and Pollution Research	26	11	11288	11299
492	Zhao L.-L., Makinde E.A., Shah M.A., Olatunji O.J., Panichayupakaranant P.	Rhinacanthins-rich extract and rhinacanthin C ameliorate oxidative stress and inflammation in streptozotocin-nicotinamide-induced diabetic nephropathy	2019	Journal of Food Biochemistry	43	4		

493	Tufail T., Saeed F., Ul Ain H.B., Niaz B., Afzaal M., Din A., Rasul Suleria H.A.	Cashew nut allergy; immune health challenge	2019	Trends in Food Science and Technology	86		209	216
494	Rehman K., Ali M.B., Akash M.S.H.	Genistein enhances the secretion of glucagon-like peptide-1 (GLP-1) via downregulation of inflammatory responses	2019	Biomedicine and Pharmacotherapy	112			
495	Imran M., Rauf A., Abu-Izneid T., Nadeem M., Shariati M.A., Khan I.A., Imran A., Orhan I.E., Rizwan M., Atif M., Gondal T.A., Mubarak M.S.	Luteolin, a flavonoid, as an anticancer agent: A review	2019	Biomedicine and Pharmacotherapy	112			
496	Daniyal M., Akram M., Zainab R., Munir N., Sharif A., Shah S.M.A., Liu B., Wang W.	Prevalence and current therapy in chronic liver disorders	2019	Inflammopharmacology	27	2	213	231
497	Ahmad S., Jalil S., Zaib S., Aslam S., Ahmad M., Rasul A., Arshad M.N., Sultan S., Hameed A.,	Synthesis, X-ray crystal and monoamine oxidase inhibitory activity of 4,6-dihydrobenzo[c]pyrano[2,3-e][1,2]thiazine 5,5-dioxides: In vitro studies and docking analysis	2019	European Journal of Pharmaceutical Sciences	131		9	22

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498	Rasheed A., Zubia K., Rubina A., Jamil M.	Acoustic Instability with Dynamic Charging in Quantum Plasmas	2019	Zeitschrift fur Naturforschung - Section A Journal of Physical Sciences	74	4	333	338
499	Ashfaq A., Jacob J., Bano N., Ali A., Ahmad W., Mahmood K., Arshad M.I., Ikram S., Rehman U., Hussain S.	Tailoring the thermoelectric properties of sol-gel grown CZTS/ITO thin films by controlling the secondary phases	2019	Physica B: Condensed Matter	558		86	90
500	Shahzad S.A., Yar M., Khan Z.A., Shahzadi L., Naqvi S.A.R., Mahmood A., Ullah S., Shaikh A.J., Sherazi T.A., Bale A.T., KukuÅ,owicz J., Bajda M.	Identification of 1,2,4-triazoles as new thymidine phosphorylase inhibitors: Future anti-tumor drugs	2019	Bioorganic Chemistry	85		209	220
501	Shahbaz M., Ammar M., Zou D., Korai R.M., Li X.J.	An Insight into the Anaerobic Co-digestion of Municipal Solid Waste and Food Waste: Influence of Co-substrate Mixture Ratio and Substrate to Inoculum Ratio on Biogas Production	2019	Applied Biochemistry and Biotechnology	187	4	1356	1370

502	Khalid N., Noman A., Aqeel M., Masood A., Tufail A.	Phytoremediation potential of Xanthium strumarium for heavy metals contaminated soils at roadsides	2019	International Journal of Environmental Science and Technology	16	4	2091	2100
503	Sufyan M., Hussain M., Ahmad H., Abbas N., Ashraf J., Zahra N.	Bulge micro-textures influence on tribological performance of ultra-high-molecular-weight-polyethylene (UHMWPE) under phosphatidylcholine (Lipid) and bovine serum albumin (BSA) solutions	2019	Biomedical Physics and Engineering Express	5	3		
504	Fitriani N., Aymen M., Huda N.U., Tufail S.M., Amir S., Saud M.	Gender perceptions and adaptation strategies to climatic hazards-floods in rural areas of District Sialkot, Punjab, Pakistan	2019	IOP Conference Series: Earth and Environmental Science	245	1		
505	Khan N.-U.-H., Bhatti H.N., Iqbal M., Nazir A.	Decolorization of basic turquoise blue X-GB and basic blue X-GRRL by the Fenton's process and its kinetics	2019	Zeitschrift fur Physikalische Chemie	233	3	361	373
506	Masood N., Ahmed R., Tariq M., Ahmed Z., Masoud M.S., Ali I., Asghar R., Andleeb A., Hasan A.	Silver nanoparticle impregnated chitosan-PEG hydrogel enhances wound healing in diabetes induced rabbits	2019	International Journal of Pharmaceutics	559		23	36
507	Hussain A., Rizwan M., Ali Q., Ali S.	Seed priming with silicon nanoparticles improved the biomass and yield while reduced the oxidative stress and cadmium concentration in wheat grains	2019	Environmental Science and Pollution Research	26	8	7579	7588

508	Khan M.U., Ibrahim M., Khalid M., Jamil S., Al-Saadi A.A., Janjua M.R.S.A.	Quantum chemical designing of indolo[3,2,1-jk]carbazole-based dyes for highly efficient nonlinear optical properties	2019	Chemical Physics Letters	719		59	66
509	Li K., Xia J., Mehmood M.A., Zhao X.-Q., Liu C.-G., Bai F.-W.	Extracellular redox potential regulation improves yeast tolerance to furfural	2019	Chemical Engineering Science	196		54	63
510	Khan M.U., Ibrahim M., Khalid M., Braga A.A.C., Ahmed S., Sultan A.	Prediction of Second-Order Nonlinear Optical Properties of Dâ€™â€™A Compounds Containing Novel Fluorene Derivatives: A Promising Route to Giant Hyperpolarizabilities	2019	Journal of Cluster Science	30	2	415	430
511	Zaman A.-U., Ahmad I., Pervaiz M., Ahmad S., Kiran S., Khan M.A., Gulzar T., Kamal T.	A novel synthetic approach for the synthesis of pyrano[3,2-c]quinolone-3carbaldehydes by using modified Vilsmeier Haack reaction, as potent antimicrobial agents	2019	Journal of Molecular Structure	1180		227	236
512	Arshad M., Abbas M., Ehtisham-ul-Haque S., Farrukh M.A., Ali A., Rizvi H., Soomro G.A., Ghaffar A., Yameen M., Iqbal M.	Synthesis and characterization of SiO ₂ doped Fe ₂ O ₃ nanoparticles: Photocatalytic and antimicrobial activity evaluation	2019	Journal of Molecular Structure	1180		244	250
513	Tahir M.N., Mirza S.H., Khalid M., Ali A., Khan M.U., Braga A.A.C.	Synthesis, single crystal analysis and DFT based computational studies of 2,4-diamino-5-(4-chlorophenyl)-6-ethylpyrimidin-1-ium 3,4,5-trihydroxybenzoate -methanol	2019	Journal of Molecular Structure	1180		119	126

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514	Alay-E-Abbas S.M., Javed F., Abbas G., Amin N., Laref A.	Density Functional Theory Evaluation of Ceramics Suitable for Hybrid Advanced Oxidation Processes: A Case Study for Ce ⁴⁺ -Doped BaZrO ₃	2019	Journal of Physical Chemistry C	123	10	6044	6053
515	Awan M.U., Noor M.A., Du T.-S., Noor K.I.	New refinements of fractional Hermite–Hadamard inequality	2019	Revista de la Real Academia de Ciencias Exactas, Fisicas y Naturales - Serie A: Matematicas	113	1	21	29
516	Ali L., Ahmad M., Aamir M.N., Minhas M.U., Rasul A., Yousuf M., Hussain H., Khan J.A., Sohail M.	Venlafaxine-loaded sustained-release poly(hydroxyethyl methacrylate-co-itaconic acid) hydrogel composites: their synthesis and in vitro/in vivo attributes	2019	Iranian Polymer Journal (English Edition)	28	3	251	258
517	Khan I.T., Nadeem M., Imran M., Asif M., Khan M.K., Din A., Ullah R.	Triglyceride, fatty acid profile and antioxidant characteristics of low melting point fractions of Buffalo Milk fat	2019	Lipids in Health and Disease	18	1		
518	Arif Khalil R.M., Hussain F., Imran M., Rasheed U., Rana A.M., Murtaza	An ab initio study of spectroscopic and thermodynamic characteristics of MgH ₂ and TiC systems	2019	International Journal of Hydrogen Energy	44	13	6756	6762

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519	Rizwan M., Ali S., Rehman M.Z., Maqbool A.	A critical review on the effects of zinc at toxic levels of cadmium in plants	2019	Environmental Science and Pollution Research	26	7	6279	6289
520	Akram N., Zia K.M., Saeed M., Usman M., Khan W.G.	Role of isophorone diisocyanate in the optimization of adhesion tendency of polyurethane pressure sensitive adhesives	2019	Journal of Applied Polymer Science	136	9		
521	Noreen S., Raza M., Deniz E., Kazım Özlü S.	On the Janowski class of generalized Struve functions	2019	Afrika Matematika	30	45293	23	35
522	Zeng J.-M., Ye W.-F., Noman A., Machado R.A.R., Lou Y.-G.	The desaturase gene family is crucially required for fatty acid metabolism and survival of the brown planthopper, <i>Nilaparvata lugens</i>	2019	International Journal of Molecular Sciences	20	6		
523	Mazhar F., Wajid B., Anwar F., Mazhar N., AlShawaqfeh M.K., Serpedin E.	Prevalence and Accuracy Measures of Diagnostic Tests for Metabolic Syndrome in Multi-ethnic Groups	2019	16th International Multi-Conference on Systems, Signals and Devices, SSD 2019			170	175

524	Ahmad M., Shah S.K.	A critical discourse analysis of gender representations in the content of 5th grade english language textbook [Un Análisis Crítico del Discurso de la Representación del Género en los Contenidos de los Libros de Texto de 5º Curso de Inglés]	2019	International and Multidisciplinary Journal of Social Sciences	8	1	1	24
525	Bharwana S.A., Ali S., Farid M., Zubair M., Rizwan M., Ahmad R.	Occupational health and safety conditions in small medium sized enterprises of iron furniture manufacturing units	2019	Environmental Engineering and Management Journal	18	3	545	553
526	Rasule G., Sharif M., Arshad M.I., Zakaullah M., Shafiq M., Ajaz-Un-Nabi M.	Emission of nickel $k\pm$ line radiation by using a low energy plasma focus device	2019	Journal of Ovonic Research	15	2	103	107
527	Idrees N., Saif M.J., Anwar T.	Eccentricity-based topological invariants of some chemical graphs	2019	Atoms	7	1		
528	Bukhari S.A., Qasim M., Masoud M.S., Mahmood-Ur-Rahman, Anwar H., Waqas A., Mustafa G.	Evaluation of medicinally important constituents of <i>Cotoneaster afghanicus</i> G.Klotz collected from baluchistan region of Pakistan	2019	Indian Journal of Pharmaceutical Sciences	81	2	259	265

529	Parveen A., Subedi L., Kim H.W., Khan Z., Zahra Z., Farooqi M.Q., Kim S.Y.	Phytochemicals targeting VEGF and VEGF-related multifactors as anticancer therapy	2019	Journal of Clinical Medicine	8	3		
530	Arshad M.S., Sedhain K., Hussain A., Abbas N., Mudassir J., Mehmood F., Irfan M., Latif S.	Quantification of carbon dioxide released from effervescent granules as a predictor of formulation quality using modified chittick apparatus	2019	Tropical Journal of Pharmaceutical Research	18	3	449	458
531	Jabeen M., Akram N.A., Ashraf M., Aziz A.	Assessment of biochemical changes in Spinach (Spinacea oleracea L.) subjected to varying water regimes [Penilaian Perubahan Biokimia dalam Bayam (Spinacea oleracea L.) Tertakluk kepada Rejim Air Berbeza]	2019	Sains Malaysiana	48	3	533	541
532	Sajid M.M., Amin N., Shad N.A., Khan S.B., Javed Y., Zhang Z.	Hydrothermal fabrication of monoclinic bismuth vanadate (m-BiVO ₄) nanoparticles for photocatalytic degradation of toxic organic dyes	2019	Materials Science and Engineering: B	242		83	89
533	Mushtaq S., Raza M., Din M.U.	Certain geometric properties of Lommel and hyper-Bessel functions	2019	Mathematics	7	3		

534	ul Haq F., Sameen A., u Zaman Q., Mushtaq B.S., Hussain M.B., Javed A., Plygun S., Korneeva O., Shariati M.A.	Development and evalutation of yogurt supplemented with lentil flour	2019	Journal of Microbiology, Biotechnology and Food Sciences	8	4	1005	1009
535	Ajaz M., Akram M., Asif H.M., Hussain A., Ali Shah S.M., Tahir I.M., Daniyal M., Khan F.S.	Phytochemical screening and antipyretic effects of hydroalcoholic extracts of selected medicinal plants of Rawalakot, Azad Jammu and Kashmir in albino rats	2019	Pakistan Journal of Pharmaceutical Sciences	32	2	581	592
536	Abbas Q., Ramzan Z., Emad F., Ur Rehman R.	Pattern of positive, negative and general psychopathological symptoms among schizophrenia patients at primary care setting: A comparative study	2019	Journal of the Pakistan Medical Association	69	3	361	366
537	Khadam M.W., Ashraf M.M., Naz U., Bukhari N.I., Tahir I., Asghar D.	Disposition kinetics, renal clearance and urinary excretion of cefixime in adolescent Pakistani boys	2019	Journal of the Pakistan Medical Association	69	3	367	372
538	Rizwan M., Ali S., ur Rehman M.Z., Malik S., Adrees M., Qayyum M.F., Alamri S.A., Alyemeni M.N., Ahmad P.	Effect of foliar applications of silicon and titanium dioxide nanoparticles on growth, oxidative stress, and cadmium accumulation by rice (<i>Oryza sativa</i>)	2019	Acta Physiologiae Plantarum	41	3		
539	Khan M.W., Asif S.U., Ur Rehman K.M., Uddin W., Mubasher, Ahmed S., Khan E.U., Tagliaferro A.,	The electrical behavior of functionalized multiwall carbon nanotubes decorated with polymer nanocomposites	2019	Physica B: Condensed Matter	556		17	21

	Jagdale P., Fakhar-e-Alam M.							
540	Iqbal Z., Muneer M., Farooq S., Ahamd Z., Basit M.A., Ashiq M.N., Gohar R.S., Najam-ul-Haq M., Ehsan M.F.	Study of electrical, dielectric and magnetic properties of Dy-Co bi-substituted strontium hexaferrite nanoparticles	2019	Journal of Materials Science: Materials in Electronics	30	5	4658	4664
541	Aslam S., Shahzad Shifa M., Abbas Gilani Z., Noor ul Huda Khan Asghar H.M., Nauman Usmani M., Ur Rehman J., Azhar Khan M., Perveen A., Khalid M.	Structural, optical and magnetic elucidation of co-doping of Nd3 + and Pr3 + on lithium nanoferrite and its technological application	2019	Results in Physics	12		1334	1339
542	Naseem K., Begum R., Wu W., Usman M., Irfan A., Al-Sehemi A.G., Farooqi Z.H.	Adsorptive removal of heavy metal ions using polystyrene-poly(N-isopropylmethacrylamide-acrylic acid) core/shell gel particles: Adsorption isotherms and kinetic study	2019	Journal of Molecular Liquids	277		522	531
543	Hussain B., Sultana T., Sultana S., Al-Ghanim K.A., Al-Misned F., Mahboob S.	Influence of habitat degradation on the fatty acid profiles of fish, microalgae, and zoobenthos in a river ecosystem	2019	Process Safety and Environmental Protection	123		24	32

544	Ait Braham S., Hussain F., Morellon-Sterling R., Kamal S., Kornecki J.F., Barbosa O., Kati D.E., Fernandez-Lafuente R.	Cooperativity of covalent attachment and ion exchange on alcalase immobilization using glutaraldehyde chemistry: Enzyme stabilization and improved proteolytic activity	2019	Biotechnology Progress	35	2		
545	Noman A., Hussain A., Ashraf M.F., Ifnan Khan M., Liu Z., He S.	CabZIP53 is targeted by CaWRKY40 and act as positive regulator in pepper defense against Ralstonia solanacearum and thermotolerance	2019	Environmental and Experimental Botany	159		138	148
546	Khera R.A., Iqbal M., Jabeen S., Abbas M., Nazir A., Nisar J., Ghaffar A., Shar G.A., Tahir M.A.	Adsorption efficiency of Pitpapa biomass under single and binary metal systems	2019	Surfaces and Interfaces	14		138	145
547	Hussain A., Amna, Kamran M.A., Javed M.T., Hayat K., Farooq M.A., Ali N., Ali M., Manghwar H., Jan F., Chaudhary H.J.	Individual and combinatorial application of Kocuria rhizophila and citric acid on phytoextraction of multi-metal contaminated soils by Glycine max L	2019	Environmental and Experimental Botany	159		23	33
548	Ashraf A., Zafar S., Zahid K., Salahuddin Shah M., Al-Ghanim K.A., Al-Misned F., Mahboob S.	Synthesis, characterization, and antibacterial potential of silver nanoparticles synthesized from Coriandrum sativum L.	2019	Journal of Infection and Public Health	12	2	275	281

549	Ans M., Iqbal J., Eliasson B., saif M.J., Ayub K.	Opto-electronic properties of non-fullerene fused-undecacyclic electron acceptors for organic solar cells	2019	Computational Materials Science	159		150	159
550	Intaramas K., Sakdaronnarong C., Liu C.-G., Mehmood M.A., Jonglertjunya W., Laosiripojana N.	Sequential catalytic-mixed-milling and thermohydrolysis of cassava starch improved ethanol fermentation	2019	Food and Bioproducts Processing	114		72	84
551	Javaid M.A., Younas M., Zafar I., Khera R.A., Zia K.M., Jabeen S.	Mathematical modeling and experimental study of mechanical properties of chitosan based polyurethanes: Effect of diisocyanate nature by mixture design approach	2019	International Journal of Biological Macromolecules	124		321	330
552	Jabeen F., Hussain A., Younis T., Manzoor M., Samiullah K.	Isolation of thermophilic Anoxybacillus beppuensis JF84 and production of thermostable amylase utilizing agroâ€‘dairy wastes	2019	Environmental Progress and Sustainable Energy	38	2	417	423
553	Younas M., Noreen A., Sharif A., Majeed A., Hassan A., Tabasum S., Mohammadi A., Zia K.M.	A review on versatile applications of blends and composites of CNC with natural and synthetic polymers with mathematical modeling	2019	International Journal of Biological Macromolecules	124		591	626

554	Adeel S., Rehman F.U., Iqbal M.U., Habib N., Kiran S., Zuber M., Zia K.M., Hameed A.	Ultrasonic assisted sustainable dyeing of mordanted silk fabric using arjun (<i>Terminalia arjuna</i>) bark extracts	2019	Environmental Progress and Sustainable Energy	38	s1	S331	S339
555	Shah G.M., Tufail N., Bakhat H.F., Ahmad I., Shahid M., Hammad H.M., Nasim W., Waqar A., Rizwan M., Dong R.	Composting of municipal solid waste by different methods improved the growth of vegetables and reduced the health risks of cadmium and lead	2019	Environmental Science and Pollution Research	26	6	5463	5474
556	Rehman M., Maqbool Z., Peng D., Liu L.	Morpho-physiological traits, antioxidant capacity and phytoextraction of copper by ramie (<i>Boehmeria nivea</i> L.) grown as fodder in copper-contaminated soil	2019	Environmental Science and Pollution Research	26	6	5851	5861
557	Rashid S., Usman M., Shahzad T., Saeed M., Haq A.U., Ibrahim M., Siddiq M., Iram M.	The Differential Spectroscopic Investigation of Partitioning of Reactive Dyes in Micellar Media of Cationic Surfactant, Cetyl Trimethylammonium Bromide (CTAB)	2019	Zeitschrift fur Physikalische Chemie	233	2	183	199
558	Jawaria R., Hussain M., Khalid M., Khan M.U., Tahir M.N., Naseer M.M., Braga A.A.C., Shafiq Z.	Synthesis, crystal structure analysis, spectral characterization and nonlinear optical exploration of potent thiosemicarbazones based compounds: A DFT refine experimental study	2019	Inorganica Chimica Acta	486		162	171

559	Habiba U., Ali S., Rizwan M., Ibrahim M., Hussain A., Shahid M.R., Alamri S.A., Alyemeni M.N., Ahmad P.	Alleviative role of exogenously applied mannitol in maize cultivars differing in chromium stress tolerance	2019	Environmental Science and Pollution Research	26	5	5111	5121
560	Hussain S., Jacob J., Riaz N., Mahmood K., Ali A., Amin N., Nabi G., Isa M., Mahmood M.H.R.	Effect of growth temperature on catalyst free hydrothermal synthesis of crystalline SnO ₂ micro-sheets	2019	Ceramics International	45	3	4053	4058
561	Ikram S., Jacob J., Arshad M.I., Mahmood K., Ali A., Sabir N., Amin N., Hussain S.	Tailoring the structural, magnetic and dielectric properties of Ni-Zn-CdFe ₂ O ₄ spinel ferrites by the substitution of lanthanum ions	2019	Ceramics International	45	3	3563	3569
562	Faraz A., Mahmood K., Ali A., Arshad M.-I., Ajaz un Nabi M., Ali A., Amin N., Hussain S.	Enhancement of Al-N co-dopant solubility in ZnO by high temperature thermal annealing	2019	Ceramics International	45	3	2948	2952
563	Sajid M.M., Shad N.A., Khan S.B., Zhang Z., Amin N.	Facile synthesis of Zinc vanadate Zn ₃ (VO ₄) ₂ for highly efficient visible light assisted photocatalytic activity	2019	Journal of Alloys and Compounds	775		281	289

564	Munir I., Zahoor A.F., Rasool N., Naqvi S.A.R., Zia K.M., Ahmad R.	Synthetic applications and methodology development of Chanâ€Lam coupling: a review	2019	Molecular Diversity	23	1	215	259
565	Haider K.Z., Malik K.R., Khalid S., Nawaz T., Jabbar S.	Deepgender: real-time gender classification using deep learning for smartphones	2019	Journal of Real-Time Image Processing	16	1	15	29
566	Khan I.T., Nadeem M., Imran M., Ullah R., Ajmal M., Jaspal M.H.	Antioxidant properties of Milk and dairy products: A comprehensive review of the current knowledge	2019	Lipids in Health and Disease	18	1		
567	Bader Ul Ain H., Saeed F., Arshad M.U., Ahmad N., Niaz B., Tufail T.	Improving the bioactive functionality of barley dietary fibre by chemical treatments in combination with extrusion process	2019	International Food Research Journal	26	1	313	318
568	Azeem F., Ahmed B., Atif R.M., Ali M.A., Nadeem H., Hussain S., Rasul S., Manzoor H., Ahmad U., Afzal M.	Drought affects aquaporins gene expression in important pulse legume chickpea (Cicer arietinum L.)	2019	Pakistan Journal of Botany	51	1	81	88

569	Kiran S., Adeel S., Rehman F.U., Gulzar T., Jannat M., Zuber M.	Ecofriendly dyeing of microwave treated cotton fabric using reactive violet H3R	2019	Global Nest Journal	21	1	43	47
570	Ahmed U., Raza I., Hussain S.A.	Trust evaluation in cross-cloud federation: Survey and requirement analysis	2019	ACM Computing Surveys	52	1		
571	Shahzad A., Shakoori M.A., He M.-G., Yang F.	Dynamical structure factor of complex plasmas for varying wave vectors	2019	Physics of Plasmas	26	2		
572	Zafar S., Ali A., Ashraf M.M., Khan J.A., Aslam B., Naseer R.D.	Alteration in disposition kinetics of warfarin mediated by caffeine in healthy male albino rabbits	2019	Journal of Animal and Plant Sciences	29	1	158	165
573	Khan M.A., Shahzadi T., Malik S.A., Shahid M., Ismail M., Zubair M., Iqbal S.	Pharmacognostic evaluation of turmeric (<i>Curcuma longa</i>) extracts in diabetic wound healing	2019	Journal of Animal and Plant Sciences	29	1	68	74
574	Zahid F.M., Ramzan S., Faisal S., Hussain I.	Gender based survival prediction models for heart failure patients: A case study in Pakistan	2019	PLoS ONE	14	2		

575	Imdad U., Asif M., Ahmad M.T., Sohaib O., Hanif M.K., Chaudary M.H.	Three dimensional point cloud compression and decompression using polynomials of degree one	2019	Symmetry	11	2		
576	Yousaf M.T.B., Nawaz M.F., Khawaja H.F., Gul S., Ali S., Ahmad I., Rasul F., Rizwan M.	Ecophysiological response of early stage Albizia lebbeck to cadmium toxicity and biochar addition	2019	Arabian Journal of Geosciences	12	4		
577	Qamar A., Saeed F., Nadeem M.T., Hussain A.I., Khan M.A., Niaz B.	Probing the storage stability and sensorial characteristics of wheat and barley grasses juice	2019	Food Science and Nutrition	7	2	554	562
578	Khan M.I., Shoukat M.A., Cheema S.A., Ali S., Azam M., Rizwan M., Qadri R., Al-Wabel M.I.	Foliar- and soil-applied salicylic acid and bagasse compost addition to soil reduced deleterious effects of salinity on wheat	2019	Arabian Journal of Geosciences	12	3		
579	Akram N., Zia K.M., Saeed M., Usman M., Khan W.G., Bashir M.A.	Investigation of non-adhesive behaviour of waterborne polyurethane dispersions	2019	Journal of Polymer Research	26	2		
580	Hussain S., Jacob J., Usman Z., Mahmood K., Ali A., Arshad M.I., Khan W.S., Farooq Z., Farooq M.U., Ashfaaq A.,	Length dependent performance of Cu ₂ O/ZnO nanorods solar cells	2019	Superlattices and Microstructures	126		181	185

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581	Shakoor M.B., Niazi N.K., Bibi I., Shahid M., Saqib Z.A., Nawaz M.F., Shaheen S.M., Wang H., Tsang D.C.W., Bundschuh J., Ok Y.S., Rinklebe J.	Exploring the arsenic removal potential of various biosorbents from water	2019	Environment International	123		567	579
582	Mahboob S., Al-Ghanim K.A., Al-Misned F., Al-Balawi H.F.A., Ashraf A., Al-Mulhim N.M.A.	Genetic diversity in tilapia populations in a freshwater reservoir assayed by randomly amplified polymorphic DNA markers	2019	Saudi Journal of Biological Sciences	26	2	363	367
583	Saeed I., Shaheen S., Hussain K., Khan M.A., Jaffer M., Mahmood T., Khalid S., Sarwar S., Tahir A., Khan F.	Assessment of mold and yeast in some bakery products of Lahore, Pakistan based on LM and SEM	2019	Microscopy Research and Technique	82	2	85	91
584	Jamal M.A., Naseem B., Khan J.H., Arif I.	Temperature dependent solution properties of amino acids in colloidal solutions	2019	Journal of Molecular Liquids	275		105	115

585	Tabasum S., Younas M., Zaeem M.A., Majeed I., Majeed M., Noreen A., Iqbal M.N., Zia K.M.	A review on blending of corn starch with natural and synthetic polymers, and inorganic nanoparticles with mathematical modeling	2019	International Journal of Biological Macromolecules	122		969	996
586	Javed M.R., Noman M., Shahid M., Ahmed T., Khurshid M., Rashid M.H., Ismail M., Sadaf M., Khan F.	Current situation of biofuel production and its enhancement by CRISPR/Cas9-mediated genome engineering of microbial cells	2019	Microbiological Research	219		1	11
587	Imran M., Rauf A., Shah Z.A., Saeed F., Imran A., Arshad M.U., Ahmad B., Bawazeer S., Atif M., Peters D.G., Mubarak M.S.	Chemo-preventive and therapeutic effect of the dietary flavonoid kaempferol: A comprehensive review	2019	Phytotherapy Research	33	2	263	275
588	Zafar M.N., Aslam I., Ludwig R., Xu G., Gorton L.	An efficient and versatile membraneless bioanode for biofuel cells based on Corynascus thermophilus cellobiose dehydrogenase	2019	Electrochimica Acta	295		316	324
589	Khan N.-U.-H., Naqvi S.A.R., Roohi S., Sherazi T.A., Khan Z.A., Zahoor A.F.	Technetium-99m radiolabeling and biological study of epirubicin for in vivo imaging of multi-drug-resistant Staphylococcus aureus infections via single photon emission computed tomography	2019	Chemical Biology and Drug Design	93	2	154	162

590	Hafeez F., Zahoor A.F., Ahmad S., Ahmad M., Faiz S.	Recent progress in the synthesis of diclofenac based NSAIDs analogs/derivatives	2019	Synthetic Communications	49	3	325	350
591	Hussain F., Imran M., Rana A.M., Ismail M., Khalil R.M.A., Sattar M.A., Javid M.A., Majid A., Cai Y.	Tailoring magnetic characteristics of phosphorene by the doping of Ce and Ti: A DFT study	2019	Physica E: Low-Dimensional Systems and Nanostructures	106		352	356
592	Arif Khalil R.M., Hussain F., Manzoor Rana A., Imran M., Murtaza G.	Comparative study of polytype 2H-MoS2 and 3R-MoS2 systems by employing DFT	2019	Physica E: Low-Dimensional Systems and Nanostructures	106		338	345
593	Tahir S., Ali A., Amin N., Arshad M.I.	The Effect of Nonuniform Emitter Sheet Resistance on PERC Solar Cell Performance	2019	Silicon	11	1	393	399
594	Ali M., Imran M., Nadeem M., Khan M.K., Sohaib M., Suleria H.A.R., Bashir R.	Oxidative stability and Sensoric acceptability of functional fish meat product supplemented with plant - based polyphenolic optimal extracts	2019	Lipids in Health and Disease	18	1		
595	Gulzar N., Rafiq S., Nadeem M., Imran M., Khalique A., Muqada	Influence of milling pH and storage on quality characteristics, mineral and fatty acid profile of buffalo Mozzarella cheese	2019	Lipids in Health and Disease	18	1		

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596	Saeed M., Muneer M., Khosa M.K.K., Akram N., Khalid S., Adeel M., Nisar A., Sherazi S.	Azadirachta indica leaves extract assisted green synthesis of Ag-TiO ₂ for degradation of Methylene blue and Rhodamine B dyes in aqueous medium	2019	Green Processing and Synthesis	8	1	659	666
597	Saeed M., Akram N., Atta-Ul-Haq, Naqvi S.A.R., Usman M., Abbas M.A., Adeel M., Nisar A.	Green and eco-friendly synthesis of Co ₃ O ₄ and Ag-Co ₃ O ₄ : Characterization and photo-catalytic activity	2019	Green Processing and Synthesis	8	1	382	390
598	Haq A.U., Saeed M., Usman M., Yameen M., Muneer M., Tubbsum S.	A comparative sorption study of Cr ³⁺ and Cr ⁶⁺ using mango peels: Kinetic, equilibrium and thermodynamic	2019	Green Processing and Synthesis	8	1	337	347
599	Iqbal S., Lui Y., Moloney J.G., Parker E.M., Suh M., Foord J.S., Moloney M.G.	A comparative study of diaryl carbene insertion reactions at polymer surfaces	2019	Applied Surface Science	465		754	762

600	Gul I., Manzoor M., Silvestre J., Rizwan M., Hina K., Kallerhoff J., Arshad M.	EDTA-assisted phytoextraction of lead and cadmium by Pelargonium cultivars grown on spiked soil	2019	International Journal of Phytoremediation	21	2	101	110
601	Hussain G., Wang J., Rasul A., Anwar H., Imran A., Qasim M., Zafar S., Kamran S.K.S., Razzaq A., Aziz N., Ahmad W., Shabbir A., Iqbal J., Baig S.M., Sun T.	Role of cholesterol and sphingolipids in brain development and neurological diseases	2019	Lipids in Health and Disease	18	1		
602	Sabir S., Akhtar M.F., Saleem A.	Endocrine disruption as an adverse effect of non-endocrine targeting pharmaceuticals	2019	Environmental Science and Pollution Research	26	2	1277	1286
603	Iqbal S., Fakhar-e-Alam M., Atif M., Ahmed N., Aqrab-ul-Ahmad, Amin N., Alghamdi R.A., Hanif A., Farooq W.A.	Empirical modeling of Zn/ZnO nanoparticles decorated/conjugated with Fotolon (Chlorine e6) based photodynamic therapy towards liver cancer treatment	2019	Micromachines	10	1		

604	Akhtar R., Zahoor A.F., Parveen B., Suleman M.	Development of environmental friendly synthetic strategies for Sonogashira cross coupling reaction: An update	2019	Synthetic Communications	49	2	167	192
605	Malik S.N., Mahmood S., Raza M., Farman S., Zainab S., Muhammad N.	Coefficient inequalities of functions associated with hyperbolic domains	2019	Mathematics	7	1		
606	Aslam S., Bokhari T.H., Anwar T., Khan U., Nairan A., Khan K.	Graphene oxide coated graphene foam based chemical sensor	2019	Materials Letters	235		66	70
607	Junejo Y., Safdar M., Akhtar M.A., Saravanan M., Anwar H., Babar M., Bibi R., Pervez M.T., Hussain T., Babar M.E.	Synthesis of Tobramycin Stabilized Silver Nanoparticles and Its Catalytic and Antibacterial Activity Against Pathogenic Bacteria	2019	Journal of Inorganic and Organometallic Polymers and Materials	29	1	111	120
608	Saqlain S.M., Sher M., Shah F.A., Khan I., Ashraf M.U., Awais M., Ghani A.	Fisher score and Matthews correlation coefficient-based feature subset selection for heart disease diagnosis using support vector machines	2019	Knowledge and Information Systems	58	1	139	167
609	Pervaiz M., Ahmad I., Yousaf M., Kirn S., Munawar A., Saeed Z., Adnan A., Gulzar T., Kamal T., Ahmad A.,	Synthesis, spectral and antimicrobial studies of amino acid derivative Schiff base metal (Co, Mn, Cu, and Cd) complexes	2019	Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy	206		642	649

	Rashid A.							
610	Liu J.-B., Shafiq M.K., Ali H., Naseem A., Maryam N., Asghar S.S.	Topological indices of mth chain silicate graphs	2019	Mathematics	7	1		
611	Khan A.U., Akram M., Daniyal M., Zainab R.	Awareness and current knowledge of Parkinson's disease: a neurodegenerative disorder	2019	International Journal of Neuroscience	129	1	55	93
612	Soltani S., Rashid U., Roodbar Shojaei T., Nehdi I.A., Ibrahim M.	Modeling of the nanocrystalline-sized mesoporous zinc oxide catalyst using an artificial neural network for efficient biodiesel production	2019	Chemical Engineering Communications	206	1	33	47
613	Bouatay F., Baaka N., Shahid A., Mhenni M.F.	A novel natural source Vicia faba L. membranes as colourant: development and optimisation of the extraction process using response surface methodology (RSM)	2019	Natural Product Research	33	1	59	65
614	Mehmood H.M.K., Ghaznavi S., Yasmeen M., Waheed A., Rasheed N.	Comparison of urinary vitamin D binding protein with albumin-creatinine ratio in type 2 diabetes mellitus as an early screening tool for diabetic nephropathy	2019	Journal of Fatima Jinnah Medical University	13	4	170	174

615	Muzammul M.	Education System re-engineering with AI (artificial intelligence) for Quality Improvements with proposed model	2019	Advances in Distributed Computing and Artificial Intelligence Journal	8	2	51	60
616	Qamer S., Asad F., Faiz A., Arshad R., Shaheen Z., Yasmin T.	Supplemental Organic and Inorganic Chromium Effects on Feed Digestibility and Muscle Composition in Labeo rohita (Rohu)	2019	Pakistan Journal of Agricultural Research	32	3	474	479
617	Asad F., Qamer S., Ali T., Behzad A., Yasmin T.	Effect of Inorganic Cr (Chromium Chloride on Carbohydrate Metabolism in Cirrhinus mrigala (mori)	2019	Pakistan Journal of Agricultural Research	32	1	134	139
618	Naz U., Sarwar F., Sarwar M.A., Ashraf M.M., Zafar M.S., Khadam M.W.	REVIEW OF MEDICAL DESCRIPTION OF CERVICAL CYTOLOGY	2019	Gomal Journal of Medical Sciences	17	4	150	154
619	Umer Ghani M., Awais M., Muzammul M.	Stock Market Prediction Using Machine Learning(ML)Algorithms	2019	Advances in Distributed Computing and Artificial Intelligence Journal	8	4	97	116
620	Ahmad M., Mahmood M.A., Mahmood M.I., Siddique A.R.	Use of Modal Verbs as Stance Markers in Pakistani English Newspaper Editorials	2019	Online Journal of Communication and Media Technologies	9	1		

621	Mushtaq S., Raza M., Haq W.U.	On certain refinements of Marx's type results involving some multivalent functions	2019	Comptes Rendus de L'Academie Bulgare des Sciences	72	8	999	1006
622	Mushtaq S., Raza M., ul Haq W.	Sufficient conditions for a meromorphic function to be p- valent starlike or convex	2019	Comptes Rendus de L'Academie Bulgare des Sciences	72	12	1601	1607
623	Rasheed R., Parveen A., Riaz M., Arif M.S., Hussain I., Firdous S., Iqbal M., Ashraf M.A.	Soil Biochar Ameliorates Salinity Stress and Improves Nutrient Uptake, Biomass Production and Physiochemical Parameters in Sunflower	2019	International Journal of Agriculture and Biology	22	6	1663	1674
624	Mallhi A.I., Chatha S.A.S., Ali S., Gulzar T., Rizwan M., ur Rehman M.Z., Shahid M.R., Ayub M.A., Mallhi Z.I.	Glutathione Alleviates Chromium Stress in Helianthus annuus Irrigated with Tannery Wastewater	2019	International Journal of Agriculture and Biology	22	6	1376	1384
625	Afzal B., Azeem M., Mahmood S., Wahid A., Parveen A.	Improved Growth and Metabolism of Sunflower via Physical Seed Pretreatments	2019	International Journal of Agriculture and Biology	22	6	1483	1490

626	Hayat M.K., Khaliq R., Ramiza, Hussain T., Saeed A.H., Khan M.I., Haider H.I., Majeed F.	A study of radiolysis induced degradation of a synthetic dye in aqueous solution irradiated with gamma radiation	2019	Proceedings of the Pakistan Academy of Sciences: Part B	56	3	101	108
627	Perveen S., Iqbal M., Saeed M., Iqbal N., Zafar S., Mumtaz T.	Cysteine-induced alterations in physicochemical parameters of oat (<i>Avena sativa</i> L. var. Scott and F-411) under drought stress	2019	Biologia Futura	70	1	16	24
628	Mihai M.V., Awan M.U., Noor M.A., Du T., Kashuri A., Noor K.I.	On extended general Mittag-Leffler functions and certain inequalities	2019	Fractal and Fractional	3	2	1	17
629	Awan M.U., Noor M.A., Mihai M.V., Noor K.I.	K-fractional estimates of hermite-hadamard type inequalities involving k-Appell's hypergeometric functions and applications	2019	Fractal and Fractional	3	3	1	9
630	Hameed A., Hameed A., Farooq T., Noreen R., Javed S., Batool S., Ahmad A., Gulzar T., Ahmad M.	Evaluation of structurally different benzimidazoles as priming agents, plant defence activators and growth enhancers in wheat	2019	BMC Chemistry	13	3		

631	Hussain G., Anwar T., Qureshi H., Waseem M., Arshad F., Rahseed R.	Effect of ascorbic acid seed priming on agronomic and physiochemical traits of Pisum sativum	2019	Proceedings of the Pakistan Academy of Sciences: Part B	56	4		
632	Riaz A., Saleem B., Hussain G., Sarfraz I., Nageen B., Zara R., Manzoor M., Rasul A.	Eriocalyxin B Biological Activity: A Review on Its Mechanism of Action	2019	Natural Product Communications	14	8		
633	Amin N., Bilal R., Mustafa G., Aslam A., Hasan M.S., Hussain K., Tabassum M., Fatima M., Khan Z.E., Naseem A., Akhtar M., Gulzar M., Younas I., Amin S., Shakeel S., Qurat-Ul-ain, Arshad M.I.	Impacts of substituting ni ²⁺ ions on structural and electrical properties of w-type barium based hexaferrites	2019	Digest Journal of Nanomaterials and Biostructures	14	2	501	507
634	Razzaq M.K., Rauf S., Khurshid M., Iqbal S., Bhat J.A., Farzand A., Riaz A., Xing G., Gai J.	Pollen Viability an Index of Abiotic Stresses Tolerance and Methods for the Improved Pollen Viability	2019	Pakistan Journal of Agricultural Research	32	4	609	624
635	Tanveer Y., Tariq A., Akram U., Bilal M.	Tactics of handling interpersonal conflict through emotional intelligence	2019	International Journal of Information Systems and Change	11	45355	211	227

				Management				
636	Saleem U., Iman S., Akhtar M.F., Saleem A., Anwar F., Ahmad B.	Chronopharmacology: Appraising the influence of biorhythms on the efficacy and safety of antihypertensive drugs	2019	Critical Reviews in Eukaryotic Gene Expression	29	6	499	509
637	Saleem M., Sabir S., Akhtar M.F., Zahid S., Niazi S.G., Naeem M., Saleem U., Saleem A.	Stem cell therapy for diabetes mellitus: Recent progress and hurdles	2019	Critical Reviews in Eukaryotic Gene Expression	29	5	471	482
638	Masoud M.S., Aliya K., Tariq M.	Stem cells in liver fibrosis: Translational challenges and opportunities	2019	Critical Reviews in Eukaryotic Gene Expression	29	6	599	607
639	Naseer S., Afzal M.S., Nisa A., Hussain S., Ahmad M.A., Parveen S., Anjum F., Riaz M.	Extraction of brown dye from eucalyptus bark and its applications in food storage	2019	Quality Assurance and Safety of Crops and Foods	11	8	769	780
640	Javed A., Ahmad A., Nouman M., Hameed A., Tahir A., Shabbir U.	Turnip (<i>Brassica rapus</i> L.): A natural health tonic [Nabo (<i>Brassica Rapus</i> L.): Um t��nico natural para a sa��de]	2019	Brazilian Journal of Food Technology	22			

641	Ain Q.-U., Munir H., Jelani F., Anjum F., Bilal M.	Antibacterial potential of biomaterial derived nanoparticles for drug delivery application	2019	Materials Research Express	6	12		
642	Munir S., Shah A.A., Shahid M., Ahmed M.S., Shahid A., Rajoka M.S.R., Akash M.S.H., Akram M., Khurshid M.	Anti-angiogenesis potential of phytochemicals for the therapeutic management of tumors	2019	Current Pharmaceutical Design	26	2	265	278
643	Zaheer J., Najam-Us-Saqib Q., Qamar M., Akram M.	In vitro (anti-alpha-glucosidase) activity and in vivo anti-diabetic activity of Androsace foliosa (common rock jasmine) in alloxan-induced diabetic BALB/c mice	2019	European Journal of Inflammation	17			
644	Yousaf A.M., Malik U.R., Shahzad Y., Hussain T., Khan I.U., Din F.U., Mahmood T., Ahsan H.M., Syed A.S., Akram M.R.	Silymarin-laden PVP-nanocontainers prepared via the electrospraying technique for improved aqueous solubility and dissolution rate	2019	Brazilian Archives of Biology and Technology	62		1	13
645	Akash M.S.H., Fiayyaz F., Rehman K., Sabir S., Rasool M.H.	Gut microbiota and metabolic disorders: Advances in therapeutic interventions	2019	Critical Reviews in Immunology	39	4	223	237

646	Izhar F., Imran M., Bokhari T.H., Yousaf M., Javed S., Rehman S., Latif S., Zulfiqar Z., Mitu L.	Antioxidant Potential and Stabilization Studies of Sunflower Oil Using Sorbaria tomentosa Extract and its Cu(II)/Zn(II) Chelates	2019	Revista de Chimie	70	12	4193	4200
647	Azhar M., Khan A.B., Shah A.S.	China Pakistan economic corridor: Opportunities and considerations	2019	FWU Journal of Social Sciences	13	2	63	74
648	Alolaiyan H., Shuaib U., Latif L., Razaq A.	T-Intuitionistic Fuzzification of Lagrange's Theorem of t-Intuitionistic Fuzzy Subgroup	2019	IEEE Access	7		158419	158426
649	Ahmed R.F., Jameel F., Irfan M.	Immunotherapy for triple-negative breast cancer: Latest research and clinical prospects	2019	Critical Reviews in Immunology	39	3	211	221
650	Asif M., Saleem M., Yousaf S., Saadullah M., Zafar M., Khan R.U., Yuchi A.	Antidiabetic activity of aqueous extract of sigesbeckia orientalis (St. paulâ€™s wort) in alloxan-induced diabetes model	2019	Brazilian Journal of Pharmaceutical Sciences	55			

651	Hussain M.I., Khalil R.M.A., Hussain F., Imran M., Rana A.M., Kim S.	Investigations of structural, electronic and optical properties of TM-GaO ₃ (TM = Sc, Ti, Ag) perovskite oxides for optoelectronic applications: A first principles study	2019	Materials Research Express	7	1		
652	Mohsin N.U.A., Ahmed M., Irfan M.	Zidovudine: Structural modifications and their impact on biological activities and pharmacokinetic properties	2019	Journal of the Chilean Chemical Society	64	3	4523	4530
653	Ishfaq M.K., Abd Rahman T., Himdi M., Chattha H.T., Saleem Y., Khawaja B.A., Masud F.	Compact Four-Element Phased Antenna Array for 5G Applications	2019	IEEE Access	7		161103	161111
654	Saleemi M., Anjum M., Rehman M.	The Ubiquitous Healthcare Facility Framework: A Proposed System for Managing Rural Antenatal Care	2019	IEEE Access	7		161264	161282
655	Ahmed B., Rasul A., Tareen K.Z., Akash M.S.H., Muhammad S.A., Irfan M., Abbas K., Qadir M.I.	Contemporary evidence on the dynamic role of probiotics in liver diseases	2019	Pakistan Journal of Pharmaceutical Sciences	32	6	2765	2770

656	Malik S.N., Riaz S., Raza M., Zainab S.	Fekete-Szegő problem of functions associated with hyperbolic domains	2019	Sahand Communications in Mathematical Analysis	14	1	73	88
657	Abbas M., Murtaza G., Romaguera S.	Remarks on fixed point theory in soft metric type spaces	2019	Filomat	33	17	5531	5541
658	Baloch Z., Lv L., Yi L., Wan M., Aslam B., Yang J., Liu J.-H.	Emergence of almost identical f36:A-B32 plasmids carrying bla _{TEM} -5 and qepA in escherichia coli from both Pakistan and Canada	2019	Infection and Drug Resistance	12		3981	3985
659	Akhlaq M., Ramzan M., Imran M., Ullah H., Nawaz A., Safdar M., Hussain A., Imran M., Ajaz M., Shaheen S., Shahzad F.	Design, formulation, and evaluation of transdermal patch of propranolol hydrochloride using chamomile essential oil as permeation enhancer	2019	Latin American Journal of Pharmacy	38	12	2448	2454
660	Ahmad Q.Z., Khan N., Raza M., Tahir M., Khan B.	Certain Q-difference operators and their applications to the subclass of meromorphic q-starlike functions	2019	Filomat	33	11	3385	3397

661	Tahir R.A., Hassan F., Kareem A., Iftikhar U., Sehgal S.A.	Ligand-based pharmacophore modeling and virtual screening to discover novel CYP1A1 inhibitors	2019	Current Topics in Medicinal Chemistry	19	30	2782	2794
662	Akhtar S., Waseem M., Ahmad N., Ismail T., Ahmad Z., Manzoor M.F., Siddeeg A.	Polyphenol-rich extracts of traditional culinary spices and herbs and their antibacterial activity in minced beef	2019	Journal of Food Quality	2019			
663	Rizwan N., Huassain A.I., Hussain S.M., Zaeem M.A., Chatha S.A.S.	Investigation of low formaldehyde easy-care textile finishes on dyed cotton fabric	2019	Journal of the Chemical Society of Pakistan	41	6	975	992
664	Ur Rehman H., Habib U., Ijaz U., Islam N., Khan A.U.R., Nawaz R.	Identification of Yeast's Interactome Using Neural Networks	2019	IEEE Access	7		179634	179645
665	Shuaib U., Shaheryar M.	On some properties of o-anti fuzzy subgroups	2019	International Journal of Mathematics and Computer Science	14	1	215	230

666	Sharif A., Guo J., Ouyang J., Sun S., Arshad K., Imran M.A., Abbasi Q.H.	Compact Base Station Antenna Based on Image Theory for UWB/5G RTLS Embraced Smart Parking of Driverless Cars	2019	IEEE Access	7		180898	180909
667	Shabbir U., Huma N., Javed A.	Compositional and textural properties of goat's milk cheese prepared using dahi (yogurt) as the starter culture	2019	Brazilian Journal of Food Technology	22			
668	Aslam M., Raza M.A., Ahmad L.	Acceptance sampling plans for two-stage process for multiple manufacturing lines under neutrosophic statistics	2019	Journal of Intelligent and Fuzzy Systems	37	6	7839	7850
669	Ali M.Z., Mehmood M.H., Saleem M., Gilani A.-H.	Pharmacological studies on the laxative effects of Fagonia indica on rodents	2019	Bangladesh Journal of Pharmacology	14	4	166	173
670	Sattar A., Sher A., Ijaz M., Irfan M., Butt M., Abbas T., Hussain S., Abbas A., Ullah M.S., Cheema M.A.	Biochar application improves the drought tolerance in maize seedlings	2019	Phyton	88	4	379	388

671	Noreen S., Raza M., Din M.U., Hussain S.	On certain geometric properties of normalized Mittag-Leffler functions	2019	UPB Scientific Bulletin, Series A: Applied Mathematics and Physics	81	4	167	174
672	Batool M., Nasir S., Rafique A., Yousaf I., Yousaf M.	Prevalence of tick infestation in farm animals from Punjab, Pakistan	2019	Pakistan Veterinary Journal	39	3	406	410
673	Mehmood A., Rasool M.H., Anjum A.A., Zahoor M.A., Shafique M.	Pathotyping and genetic characterization of a highly virulent newcastle disease virus strain isolated from recent outbreak in District Okara, Pakistan	2019	Pakistan Veterinary Journal	39	3	353	358
674	Rashid K., Nahid N., Ramzan F., Khan M.A., Shaheen S., Nasim A., Masood N., Briddon R.W., Hussain K.	Molecular characterization of Chickpea chlorotic dwarf virus strain D in Chickpea (Cicer arietinum) from District Dera Ismail Khan Khyber Pakhtunkhwa, Pakistan	2019	Cellular and Molecular Biology	65	7	34	37
675	Sadullah M., Afzal M., Iqbal S., Majeed A., Nazar F., Ramzan B., Iqbal F.M.	Formulation and evaluation of thermosensitive in situ gels for Gentamycin sulfate	2019	Latin American Journal of Pharmacy	38	11	2272	2280

676	Maheen S., Rasul A., Khan H.U., Abbas G., Saadullah M., Siddiqui F.A., Masood A., Ashraf A., Afzal S., Afzal K.	Formulation, characterization and statistical optimization of solid lipid microparticles by Box-Behnken design	2019	Latin American Journal of Pharmacy	38	11	2248	2258
677	Hameed B., Khan M.M., Noman A., Javed Ahmad M., Ramzan Talib M., Ashfaq F., Usman H., Yousaf M.	A review of Blockchain based educational projects	2019	International Journal of Advanced Computer Science and Applications	10	10	491	499
678	Mumtaz R., Jadoon I.A., Sohail N.	Explicit deposit insurance and bank risk-taking: Does banking supervision matter?	2019	Pakistan Journal of Commerce and Social Sciences	13	3	727	748
679	Abbas G., Shah S., Hanif M., Majeed A., Rasool M.F., Ahmed M.M., Afzal Z., Hassan S., Kanwal F., Kazmi A.	Trends in the use of prescription antibiotics and other medications in gastroenteritis pediatric patients in Punjab, Pakistan	2019	Latin American Journal of Pharmacy	38	11	2308	2312
680	Yahya N., Kashif M., Nasir N., Rehman Z.U.	Preparation of ZnO-MWCNTS nanocomposite: Structural features and applications for enhanced oil recovery	2019	International Journal of Oil, Gas and Coal Technology	22	4	488	500

681	Khan M.K., Asif M.N., Ahmad M.H., Imran M., Arshad M.S., Hassan S., Khan M.I., Nisa M.-U., Iqbal M.M., Muhammad N.	Ultrasound-Assisted Optimal Development and Characterization of Stevia-Sweetened Functional Beverage	2019	Journal of Food Quality	2019			
682	Kousar R., Sadaf T., Makhdum M.S.A., Iqbal M.A., Ullah R.	Competiveness of Pakistan's selected fruits in the world market	2019	Sarhad Journal of Agriculture	35	4	1175	1184
683	Ahmed A., Arshad M.U., Saeed F., Tufail T.	Exploring the role of date pit based drink against hyperglycemia and hypercholesterolemia	2019	Progress in Nutrition	21		307	320
684	Naseer S., Arshad M.U., Ahmad R.S., Arshad M.S., Saeed F., Ahmad A., Imran M., Naeem U., Imran A.	Acute effect of pulses based functional muffins on food intake, postprandial glucose and appetite regulation in healthy females	2019	Progress in Nutrition	21		378	387
685	Ahmad U., Ahmad R.S., Imran A., Mushtaq Z., Hussian S.M.	Characterization of low calorie ready-to-serve peach beverage using natural sweetener, Stevia (Stevia rebaudiana Bertoni)	2019	Progress in Nutrition	21		435	444

686	Ahmad J., Zakia G., Abbas H., Bukhari S.H., Nissar U., Jamil M.T., Khan J.A., Ahmad U., Ali S.A., Sultan T.	Lattice and structural distortions in Gd ³⁺ substituted lamno ₃ : Infrared reflectivity measurements	2019	Journal of Ovonic Research	15	5	345	355
687	Ghamkhar M., Naeem M.N., Imran M., Soutis C.	Vibration Analysis of a Three-Layered FGM Cylindrical Shell including the Effect of Ring Support	2019	Open Physics	17	1	587	600
688	Noreen S., Zahoor A.F., Ahmad S., Shahzadi I., Irfan A., Faiz S.	Novel chiral ligands for palladium-catalyzed asymmetric allylic alkylation/ asymmetric Tsuji-Trost reaction: A review	2019	Current Organic Chemistry	23	11	1168	1213
689	Hussain M., Naeem M.N., Tounsi A., Taj M.	Nonlocal effect on the vibration of armchair and zigzag SWCNTs with bending rigidity	2019	Advances in Nano Research	7	6	431	442
690	ul Haq A., Jan M.R., Shah J., Sadia M., Saeed M.	A Comparative Sorption Study of Ni (II) form Aqueous Solution Using Silica Gel, Amberlite IR-120 and Sawdust	2019	Zeitschrift fur Physikalische Chemie	233	9	1275	1292

691	Atif M., Iqbal S., Fakhar-E-Alam M., Ismail M., Mansoor Q., Mughal L., Aziz M.H., Hanif A., Farooq W.A.	Manganese-Doped Cerium Oxide Nanocomposite Induced Photodynamic Therapy in MCF-7 Cancer Cells and Antibacterial Activity	2019	BioMed Research International	2019				
692	Alvi T., Khan M.K.I., Maan A.A., Nazir A., Ahmad M.H., Khan M.I., Sharif M., Khan A.U., Afzal M.I., Umer M., Abbas S., Qureshi S.	Modelling and kinetic study of novel and sustainable microwave-assisted dehydration of sugarcane juice	2019	Processes	7	10			
693	Perveen N., Ayub M., Shahzad T., Siddiq M.R., Memon M.S., Barot S., Saeed H., Xu M.	Soil carbon mineralization in response to nitrogen enrichment in surface and subsurface layers in two land use types	2019	PeerJ	2019	7			
694	Tariq M., Waseem M., Rasool M.H., Zahoor M.A., Hussain I.	Isolation and molecular characterization of the indigenous Staphylococcus aureus strain K1 with the ability to reduce hexavalent chromium for its application in bioremediation of metal-contaminated sites	2019	PeerJ	2019	10			
695	Ahmed I., Umar F.	Reiteration of a limiting real interpolation method with broken iterated logarithmic functions	2019	Hacettepe Journal of Mathematics and Statistics	48	4	966	972	

696	Nadeem M., Yao S.-W., Parveen N.	Solution of newell-whitehead-segel equation by variational iteration method with heâ€™s polynomials	2019	Journal of Mathematics and Computer Science	20	1	21	29
697	Sabir N., Qayyum W., Ali F., Ameen F.	Optical study of the transition metals (M=Cr, Mn, Co, Ni, Cu) doped M-CdS/ZnS core/shell nanoparticles	2019	Progress in Biomedical Optics and Imaging - Proceedings of SPIE	10892			
698	Ikram H.M., Rasool N., Hashmi M.A., Anjum M.A., Ali K.G., Zubair M., Ahmad G., Mahmood T.	Density functional theory-supported studies of structural and electronic properties of substituted-phenol derivatives synthesized by efficient O- or C-arylation via Chanâ€™Lam or Suzuki cross-coupling reactions	2019	Turkish Journal of Chemistry	43	5	1306	1321
699	Nazira T., Abbasa M., Iqbal M.K.	A new quintic B-spline approximation for numerical treatment of Boussinesq equation	2019	Journal of Mathematics and Computer Science	20	1	30	42
700	Shafique Khan M.A., Jianguo D., Mann A., Saleem S., Boamah K.B., Javed U., Usman M.	Rejuvenating the concept of work alienation through job demands-resources model and examining its relationship with emotional exhaustion and explorative and exploitative learning	2019	Psychology Research and Behavior Management	12		931	941

701	Tahir M., Aslam M., Hussain Z., Abid M., Bhatti S.H.	Bayesian analysis of heterogeneous doubly censored lifetime data using the 3-component mixture of Rayleigh distributions: A Monte Carlo simulation study	2019	Scientia Iranica	26	3	1789	1808
702	Akhtar A., Amir A., Hussain W., Ghaffar A., Rasool N.	In silico computations of selective phytochemicals as potential inhibitors against major biological targets of diabetes mellitus	2019	Current Computer-Aided Drug Design	15	5	401	408
703	Hussain S.M., Khalid A., Shahzad M.M., Rasul A., Akram A.M., Ahmad N., Khalid F.	Effect of dietary supplementation of selenium nanoparticles on growth performance and nutrient digestibility of common carp (<i>Cyprinus carpio linnaeus</i> , 1758) fingerlings fed sunflower meal based diet	2019	Indian Journal of Fisheries	66	3	53	59
704	Bashir M., Abrar M., Yousaf M., Saqib S., Shabbir R.	Organizational politics and workplace deviance in unionized settings: Mediating role of job stress and moderating role of resilience	2019	Psychology Research and Behavior Management	12		943	959
705	Abid M., Ahmad S., Tahir M., Nazir H.Z., Riaz M.	Improved ratio estimators of variance based on robust measures	2019	Scientia Iranica	26	4 E	2484	2494
706	Hussain A., Ahmad M.N., Jalal F., Yameen M., Falak S., Noreen S., Naz S., Nazir A., Iftikhar S., Soomro G.A., Iqbal M.	Investigating the antibacterial activity of POMA nanocomposites	2019	Polish Journal of Environmental Studies	28	6	4191	4198

707	Arshad M.J., Amir S., Zahid M., Niama A., Fayyaz H., Naeem M.A., Buzdar S.A., Imran M.	Synthesis, characterization and blood based toxic effects of superparamagnetic nanoparticles	2019	Medziagotyra	25	4	359	364
708	Mushtaq Z., Tahir Nadeem M., Arshad M.U., Saeed F., Ahmed M.H., Bader Ul Ain H., Javed A., Anjum F.M., Hussain S.	Exploring the biochemical and antioxidant potential of ginger (Adric) and turmeric (Haldi)	2019	International Journal of Food Properties	22	1	1642	1651
709	Batool K.W., Syed H.K., Asghar S., Irfan M., Khan I.U., Shah P.A., Khalid I.	Investigation of the co-effect of gelucire and β -cyclodextrin on glimepiride solubilization	2019	Latin American Journal of Pharmacy	38	9	1733	1740
710	Shah S., Rasul A., Rasul A., Saadullah M., Asad Abrar M., Afzal Z., Rashid Khan M., Hanif M., Abbas G., Anwaar-UI-Hassan Chughtai M.	Sensitive and inexpensive HPLC method for combined monitoring of metformin and Sitagliptin in plasma	2019	Latin American Journal of Pharmacy	38	9	1874	1878
711	Hanif M., Abbas G., Shah S., Ullah Khan H., Rahman M.-U., Mehmood Khan S., Maheen S., Majeed A.	Application of box-Behnken design for simultaneous monitoring of pantoprazole and domperidone in plasma by high performance liquid chromatography	2019	Latin American Journal of Pharmacy	38	8	1636	1644

712	Javed M., Irian M., Pang T.	Utilising bivariate auxiliary information for enhanced estimation of population mean under simple and stratified random sampling schemes	2019	Journal of the National Science Foundation of Sri Lanka	47	2	199	211
713	Niaz B., Saeed F., Ahmed A., Imran M., Maan A.A., Khan M.K.I., Tufail T., Anjum F.M., Hussain S., Suleria H.A.R.	Lactoferrin (LF): a natural antimicrobial protein	2019	International Journal of Food Properties	22	1	1626	1641
714	Hina S., Saleem F.	Historical analysis (1981~2017) of drought severity and magnitude over a predominantly arid region of Pakistan	2019	Climate Research	78	3	189	204
715	Qin T., Rasul A., Sarfraz A., Sarfraz I., Hussain G., Anwar H., Riaz A., Liu S., Wei W., Li J., Li X.	Salvianolic acid A & B: Potential cytotoxic polyphenols in battle against cancer via targeting multiple signaling pathways	2019	International Journal of Biological Sciences	15	10	2256	2264
716	Noor ul Huda Khan Asghar H.M., Shifa M.S., Gilani Z.A., Ali A.-N., Mahmood K., Ur Rehman J., Usmani M.N., Wang P., Shuang Shi S.Q., Jiang D., Tan Y.	Mechanism of the effect of electron beam melting on the distribution of oxygen, nitrogen and carbon in silicon	2019	International Journal of Materials Research	110	5	476	480

717	Iqbal S., Fakhar-E-Alam M., Amin N., Ismail M., Mustafa G., Raza Ahmad M., Atif M.	Synthesis and study of structural, morphological, optical and toxicological properties of ferromagnetic cobalt oxide nanoparticles in liver carcinoma cell line	2019	International Journal of Materials Research	110	5	481	483
718	Waheed A., Saleem S., Shahzad N., Akhtar J., Saeed M., Jameel I., Rasheed F., Jahan S.	Prevalence of Extended Spectrum β -lactamase SHV and OXA Producing Gram Negative Bacteria at Tertiary Care Hospital of Lahore, Pakistan	2019	Pakistan Journal of Zoology	51	6	2345	2351
719	Ahmed Sheikh F., Khalid M., Shahzad Shifa M., Noor Ul Huda Khan Asghar H.M., Aslam S., Perveen A., Ur Rehman J., Azhar Khan M., Abbas Gilani Z.	Effects of bismuth on structural and dielectric properties of cobalt-cadmium spinel ferrites fabricated via micro-emulsion route	2019	Chinese Physics B	28	8		
720	Munir N., Zia M.A., Sharif S., Tahir I.M., Jahangeer M., Javed I., Riaz M., Sarwar M.U., Akram M., Ali Shah S.M.	L-Asparaginase potential in acrylamide mitigation from foodstuff: A mini-review	2019	Progress in Nutrition	21	3	498	506

721	Younas M., Wakil K., Jawawi D.N.A., Shah M.A., Mustafa A.	An automated approach for identification of non-functional requirements using Word2Vec model	2019	International Journal of Advanced Computer Science and Applications	10	8	539	547
722	Abid M., Naeem A., Hussain Z., Riaz M., Tahir M.	Investigating the impact of simple and mixture priors on estimating sensitive proportion through a general class of randomized response models	2019	Scientia Iranica	26	2C	1009	1022
723	Gulzar T., Kiran S., Abrar S., Rahmat M., Haque A., Nosheen S., Ahmad I., Rasul S.	Role of enzymatic system of screened pleurots ostreatus IBL-02 in the bio-removal of synthetic dyes effluent	2019	Journal of the Chemical Society of Pakistan	41	3	509	522
724	Aamir M.N., Manzoor A., Hussain H., Javaid Z., Mahmood T., Abbas K., Rasul A.	Orodispersible films of an antipsychotic drug: Development and physicochemical characterization	2019	Journal of the Chemical Society of Pakistan	41	3	469	478

725	Ali A., Ammar M., Ali M., Yahya Z., Javaid M.Y., Hassan S.U., Ahmed T.	Mo-doped ZnO nanoflakes on Ni-foam for asymmetric supercapacitor applications	2019	RSC Advances	9	47	27432	27438
726	Khan M.A.S., Jianguo D., Ali M., Saleem S., Usman M.	Interrelations between ethical leadership, green psychological climate, and organizational environmental citizenship behavior: A moderated mediation model	2019	Frontiers in Psychology	10	AUG		
727	Khan M.U., Iqbal J., Khalid M., Hussain R., Braga A.A.C., Hussain M., Muhammad S.	Designing triazatruxene-based donor materials with promising photovoltaic parameters for organic solar cells	2019	RSC Advances	9	45	26402	26418
728	Rehman K., Ashraf A., Azam F., Hamid Akash M.S.	Effect of food azo-dye tartrazine on physiological functions of pancreas and glucose homeostasis	2019	Turkish Journal of Biochemistry	44	2	197	206
729	Wasim I., Abbas M., Iqbal M.K.	A new extended B-spline approximation technique for second order singular boundary value problems arising in physiology	2019	Journal of Mathematics and Computer Science	19	4	258	267
730	Najaf Iqbal D., Akbar Hussain E., Afshan Soomro G., Rizvi H., Iqbal M., Nazir A.	Microwave-assisted green synthesis of guar gum esters with enhanced physicochemical properties	2019	Scientia Iranica	26	3 C	1474	1484

731	Latif A., Rasheed A., Sajid U., Ahmed J., Ali N., Ratyal N.I., Zafar B., Dar S.H., Sajid M., Khalil T.	Content-based image retrieval and feature extraction: A comprehensive review	2019	Mathematical Problems in Engineering	2019				
732	Zhang S., Asghar S., Yu F., Chen Z., Hu Z., Ping Q., Shao F., Xiao Y.	BSA Nanoparticles Modified with N-Acetylcysteine for Improving the Stability and Mucoadhesion of Curcumin in the Gastrointestinal Tract	2019	Journal of Agricultural and Food Chemistry				9371	9381
733	Ahmad S., Gul M., Shah A., Ullah Khan F., Rafiq M., Lutfullah G., Zeb Khan A., Amin F., Azhar N., Saleem Khan M.	Antimicrobial, antioxidant and cytotoxic potential of aerial parts of monothea buxifolia	2019	Journal of Mathematical and Fundamental Sciences	51	2		138	151
734	Din A.U., Kamran M., Mahmood W., Din F.U., Khan M.S., Gul M.T., Abid M.A.	A multisource power management interface for energy harvesting circuits	2019	Acta Physica Polonica A	135	5		946	948
735	Jiang D., Rasul A., Batool R., Sarfraz I., Hussain G., Mateen Tahir M., Qin T., Selamoglu Z., Ali M., Li J., Li X.	Potential Anticancer Properties and Mechanisms of Action of Formononetin	2019	BioMed Research International	2019				

736	Mehmood M.A.	The global trend in biofuel science; challenges and opportunities	2019	Protein and Peptide Letters	26	7	468	470
737	Mehmood Y., Khan I.U., Shahzad Y., Khalid S.H., Asghar S., Yousaf A.M., Hussain T., Irfan M., Khalid I.	A new, rapid, cost-effective, easy and validated RP-HPLC method for determination of antiviral (sofosbuvir) in bulk forms	2019	Pakistan Journal of Analytical and Environmental Chemistry	20	1	11	16
738	Shehzad K., Liu X., Rauf A., Arif M., Mazhar S., Sohail N., Amin W.	Revolutionising tourism development in China: an effective role of ICT and Western Silk Road project	2019	Asia Pacific Journal of Tourism Research	24	9	965	977
739	Abbas Q., Khanam S.J., Ahmad R.	Reliability and validity estimation of Urdu version of Organizational Commitment Questionnaire-Revised	2019	Pakistan Journal of Psychological Research	34	2	255	276
740	Saleem M., Tanvir M., Akhtar M.F., Iqbal M., Saleem A.	Antidiabetic potential of Mangifera indica L. cv. anwar ratol leaves: Medicinal application of food wastes	2019	Medicina (Lithuania)	55	7		

741	Zafar S., Hasnain Z., Anwar S., Perveen S., Iqbal N., Noman A.L.I., Ali M.	Influence of melatonin on antioxidant defense system and yield of wheat (<i>Triticum aestivum</i> L.) genotypes under saline condition	2019	Pakistan Journal of Botany	51	6	1987	1994
742	Nasir M.A., Nawaz S., Azeem F., Haider S.	Regulatory Sequence Architecture of Stress Responsive Genes in <i>Oryza Sativa</i>	2019	Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)	11644 LNCS		505	516
743	Aslam M., Asif M., Joiya S.J., Altaf S., Bhatti S.H.	Establishing growth reference charts for head circumference of the pakistani children, using the lambda-mu-sigma (LMS) statistical method	2019	Iranian Journal of Pediatrics	29	3		
744	Farooque A.A., Zare M., Abbas F., Zaman Q., Bos M., Esau T., Acharya B., Schumann A.W.	Evaluation of DualEM-II sensor for soil moisture content estimation in the potato fields of Atlantic Canada	2019	Plant, Soil and Environment	65	6	290	297
745	Ul-Haq M., Raza M., Arif M., Khan Q., Tang H.	q-analogue of differential subordinations	2019	Mathematics	7	8		

746	Nie D., Rashid S., Akdemir A.O., Baleanu D., Liu J.-B.	On some new weighted inequalities for differentiable exponentially convex and exponentially quasi-convex functions with applications	2019	Mathematics	7	8		
747	Rashid S., Noor M.A., Noor K.I.	FRACTIONAL EXPONENTIALLY m-CONVEX FUNCTIONS AND INEQUALITIES	2019	International Journal of Analysis and Applications	17	3	464	478
748	Rashid S., Noor M.A., Noor K.I., Akdemir A.O.	Some new generalizations for exponentially S-convex functions and inequalities via fractional operators	2019	Fractal and Fractional	3	2	1	16
749	Binyamin M.A., Siddiqui H.M.A., Khan N.M., Aslam A., Rao Y.	Characterization of graphs associated with numerical semigroups	2019	Mathematics	7	6		
750	Yeung A.W.K., Aggarwal B.B., Orhan I.E., HorbaÅ„czuk O.K., Barreca D., Battino M., Belwal T., Bishayee A., Daglia M., Devkota H.P., EcheverrÃa J., Balacheva A., Georgieva M., Godfrey K., Gupta V.K.,	Resveratrol, a popular dietary supplement for human and animal health: Quantitative research literature analysis-a review	2019	Animal Science Papers and Reports	37	2	103	118

	HorbaÅ„czuk J.O., Huminięcki L., JÅ³Åwlik A., StrzaÅ„kowska N., Mocan A., Mozos I., Nabavi S.M., Pajpanova T., PittalÅ V., Feder- Kubis J., Sampino S., Silva A.S., Sheridan H., Sureda A., Tewari D., Wang D., Weissig V., Yang Y., Zengin G., Shanker K., Moosavi M.A., Shah M.A., Kozuharova E., Al- Rimawi F., Durazzo A., Lucarini M., Souto E.B., Santini A., Malainer C., Djilianov D., Tancheva L.P., Li H.-B., Gan R.-Y., Tzvetkov N.T., Atanasov A.G., El-Demerdash A.							
751	Khalid R., Idrees N., Saif M.J.	Topological characterization of book graph and stacked book graph	2019	Computers, Materials and Continua	60	1	41	54
752	Shaheen S., Bari M.W., Hameed F., Anwar M.M.	Organizational cronyism as an antecedent of ingratiation: Mediating role of relational psychological contract	2019	Frontiers in Psychology	10	JULY		

753	Wei W., Rasul A., Sadiqa A., Sarfraz I., Hussain G., Nageen B., Liu X., Watanabe N., Selamoglu Z., Ali M., Li X., Li J.	Curcumol: From plant roots to cancer roots	2019	International Journal of Biological Sciences	15	8	1600	1609
754	Hameed S., Imran A., Nisa M.U., Arshad M.S., Saeed F., Arshad M.U., Asif Khan M.	Characterization of extracted phenolics from black cumin (<i>Nigella sativa</i> linn), coriander seed (<i>Coriandrum sativum</i> L.), and fenugreek seed (<i>Trigonella foenum-graecum</i>)	2019	International Journal of Food Properties	22	1	714	726
755	Rashid A., Javed I., Ayaz M., Abdullah M., Saeed F., Yousuf M.R., Imran M., Bader Ul Ain H., Anjum F.M.	Probing the physicochemical and sensorial properties of pasteurized milk via nanoparticles	2019	International Journal of Food Properties	22	1	825	842
756	Akram Z., Fatima M., Shah S.Z.H., Afzal M., Hussain S.M., Hussain M., Khan Z.I., Akram K.	Dietary zinc requirement of <i>Labeo rohita</i> juveniles fed practical diets	2019	Journal of Applied Animal Research	47	1	223	229
757	Wahab F., Chand N., Khan R.U., Ahmad N., Parvez U., ur Rehman Z., Naz S.	Dietary supplementation of fenugreek (<i>trigonella foenum graecum</i>) on the egg quality characteristics of Rhode Island red spent layers	2019	Pakistan Journal of Zoology	51	5	1793	1797

758	Afzal M., Sultana N., Hassan A., Shah S.Z.H., Fatima M., Hussain S.M., Bilal M., Hussain M.	Effectiveness of acidification and phytase pretreatment on growth performance, muscle proximate composition and nutrient digestibility of rohu (labeo rohita, Hamilton 1822) juveniles fed soybean meal based diet	2019	Pakistan Journal of Zoology	51	5	1741	1750
759	Ullah H., Rahman A., Khan R.U., Ahmad S., Tariq A., Naz S.	Breed, sex and body condition score affect the meat quality of waziri and Mazai sheep	2019	Pakistan Journal of Zoology	51	5	1705	1710
760	Shah M., Qureshi M.S., Khan R.U., Mobashar M., Khalique M.A., Khattak I., Tariq A., Ahmad I., Naz S.	Semen quality of bulls as influenced by breed, body condition score and ascorbic acid under heat stress	2019	Pakistan Journal of Zoology	51	5	1699	1703
761	Saleem M., Mushtaq M.F., Akhtar M.F., Saleem A., Zahid S., Sharif A., Akhtar B., Dar E., Badshah M., Ullah M.	Validation of hepatoprotective use of Polygonum perfoliatum extract against paracetamol induced toxicity in Wistar rats	2019	Acta Poloniae Pharmaceutica - Drug Research	76	2	283	289

762	Imran M., Salehi B., Sharifi-Rad J., Gondal T.A., Saeed F., Imran A., Shahbaz M., Fokou P.V.T., Arshad M.U., Khan H., Guerreiro S.G., Martins N., Estevinho L.M.	Kaempferol: A key emphasis to its anticancer potential	2019	Molecules	24	12		
763	Mahboob S., Al-Ghanim K.A., Al-Misned F., Shahid T., Sultana S., Sultan T., Hussain B., Ahmed Z.	Impact of water pollution on trophic transfer of fatty acids in fish, microalgae, and zoobenthos in the food web of a freshwater ecosystem	2019	Biomolecules	9	6		
764	Khan S., Awan M.U., Noor M.A., Safdar F.	Some new integral inequalities via $\tilde{I}^+$ -preinvex functions	2019	UPB Scientific Bulletin, Series A: Applied Mathematics and Physics	81	2	65	76
765	Sohail M.U., Shabbir J., Sohail F.	Imputation of missing values by using raw moments	2019	Statistics in Transition New Series	20	1	21â€“40	

766	Ali A., Ammar M., Yahya Z., Waqas M., Jamal M.A., Salhabi E.H.M.	A honeycomb-like ZnO/SnO2 nanocomposite on nickel foam for high-performance asymmetric supercapacitors	2019	New Journal of Chemistry	43	26	10583	10589
767	Batool F., Iqbal N., Azeem M., Adeel S., Ali M.	Sustainable dyeing of cotton fabric using black carrot (Daucus carota L.) plant residue as a source of natural colorant	2019	Polish Journal of Environmental Studies	28	5	3081	3087
768	Shah S., Pocard M., Mirshahi M.	Targeting the differentiation of gastric cancer cells (KATO-III) downregulates epithelial-mesenchymal and cancer stem cell markers	2019	Oncology Reports	42	2	670	678
769	Shahzad A., He M., Ghani S., Kashif M., Munir T., Yang F.	Crystalline order and disorder in dusty plasmas investigated by nonequilibrium molecular dynamics simulations	2019	Chinese Physics B	28	5		
770	Waqas H., Imran M., Khan S.U., Shehzad S.A., Meraj M.A.	Slip flow of Maxwell viscoelasticity-based micropolar nanoparticles with porous medium: a numerical study	2019	Applied Mathematics and Mechanics (English Edition)	40	9	1255	1268

771	Javed A., King A.J., Imran M., Jeoh T., Naseem S.	Omega-3 supplementation for enhancement of egg functional properties	2019	Journal of Food Processing and Preservation	43	8		
772	Luo C., Du T., Awan M.U., Mihai M.V.	On the k-fractional integral inequalities through the generalized $S-(\hat{I}^\pm, m)$ -preinvexity	2019	Journal of Nonlinear Functional Analysis	2019			
773	Wang B., Tahir M., Imran M., Javaid M., Jung C.Y.	Semi analytical solutions for fractional oldroyd-B fluid through rotating annulus	2019	IEEE Access	7		72482	72491
774	Qamar B., Saleem S., Bashir M.	A multilevel study of the dual effects of leader political skill on follower performance	2019	Cogent Business and Management	6	1		
775	Kashif M., Munir T., Nasir N., Sharif M., Shahzad A., Ahmad T., Hussain A., Noreen M.	First principles study of electronic, elastic and optical properties of SnO under in-plane biaxial strain	2019	Digest Journal of Nanomaterials and Biostructures	14	1	127	137

776	Hussain K., Amin N., Ajaz-Un-Nabi M., Ali A., Mahmood K., Mustafa G., Sharif M., Hasan M.S., Sabir N., Ali S., Jabeen F., Asif M., Arshad M.I.	Investigation of structural and electrical properties of Ce ³⁺ ions substituted Cd-Co ferrites	2019	Digest Journal of Nanomaterials and Biostructures	14	1	85	92
777	Murtaza G., Bukhari S.H., Ali L., Ilyas S.Z., Hakeem A., Usmani M.N., Mustafa G., Rehman F.	Effect of polyvinyl alcohol on structural and dielectrical properties of polyaniline	2019	Digest Journal of Nanomaterials and Biostructures	14	1	101	108
778	Murtaza G., Abbas M., Ali M.I.	Fixed points of interval valued neutrosophic soft mappings	2019	Filomat	33	2	463	474
779	Panduwawala T.D., Iqbal S., Thompson A.L., Genov M., Pretsch A., Pretsch D., Liu S., Ebricht R.H., Howells A., Maxwell A., Moloney M.G.	Functionalised bicyclic tetramates derived from cysteine as antibacterial agents	2019	Organic and Biomolecular Chemistry	17	22	5615	5632

780	Jabeen F., Muneer B., Qazi J.I.	Characterization of thermophilic bacteria anoxybacillus rupiensis and cultivation in agroindustrial wastes isolated from hot spring in chakwal, Pakistan	2019	Pakistan Journal of Zoology	51	4	1243	1250
781	Hayat S., Siddique M.H., Aslam B., Nadeem H., Ashraf A., Saqalein M., Khurshid M., Shahzad N., Muzammil S.	Extended-spectrum-Î²-lactamase producing multidrug resistant klebsiella pneumoniae isolates from pediatrics	2019	Pakistan Journal of Zoology	51	4	1251	1257
782	Razzaq A., Khan M.M., Talib R., Butt A.D., Hanif N., Afzal S., Raouf M.R.	Use of Blockchain in governance: A systematic literature review	2019	International Journal of Advanced Computer Science and Applications	10	5	685	691
783	Muhammad M.A., Mushatq M.A., Sultan A., Afrasayab M.	Dynamic bandwidth allocation in LAN using dynamic excess rate sensing	2019	International Journal of Advanced Computer Science and Applications	10	5	544	549
784	Yaqoob S., Khan M.M., Talib R., Butt A.D., Saleem S., Arif F., Nadeem A.	Use of blockchain in healthcare: A systematic literature review	2019	International Journal of Advanced Computer Science and Applications	10	5	644	653

785	Kumar R., Zhang X., Wang W., Khan R.U., Kumar J., Sharif A.	A Multimodal Malware Detection Technique for Android IoT Devices Using Various Features	2019	IEEE Access	7		64411	64430
786	Zaman M., Hanif M., Amjad M.W., Mahmood A., Shah S., Raja M.A.G., Rasool S., Sarfraz R.M.	Development of thiomers based buccal films for the enhancement of bioavailability: An in-vivo analysis	2019	Pakistan Journal of Pharmaceutical Sciences	32	2	759	764
787	Ijaz M., Siddique A.B., Rasool M.H., Shafique M.	Frequency of multi drug resistant Pseudomonas aeruginosa in different wound types of hospitalized patients	2019	Pakistan Journal of Pharmaceutical Sciences	32	2	865	870
788	Shah A.M.U.D., Afzal F., Ans M., Ayaz S., Niazi S.G., Asim M., Tahir I.M., Akram M.	Quality of life before and after total knee arthroplasty in clinical settings across Lahore, Pakistan	2019	Pakistan Journal of Pharmaceutical Sciences	32	2	769	772
789	Chaudhry T.H., Aslam B., Arshad M.I., Nawaz Z., Waseem M.	Occurrence of ESBL-producing Klebsiella pneumoniae in hospital settings and waste	2019	Pakistan Journal of Pharmaceutical Sciences	32	2	773	778
790	Chauhdary Z., Saleem U., Ahmad B., Shah S., Shah M.A.	Neuroprotective evaluation of Tribulus terrestris L. In aluminum chloride induced Alzheimer's disease	2019	Pakistan Journal of Pharmaceutical Sciences	32	2	805	816

791	Shah M.A., Niazi S.G., Tahir I.M., Shahid I., Parveen A., Sana S., Akhter N., Iftikhar N., Ashraf S., Siddique Z., Mushtaq Y., Khan M., Akram M.	Correlation of metformin with intravenous iodinated contrast media and precautions	2019	Pakistan Journal of Pharmaceutical Sciences	32	2	859	863
792	Aziz N., Rasul A., Malik S.A., Anwar H., Imran A., Razzaq A., Shaukat A., Kamran S.K.S., de Aguilar J.-L.G., Sun T., Hussain G.	Supplementation of Cannabis sativa L. Leaf powder accelerates functional recovery and ameliorates haemoglobin level following an induced injury to sciatic nerve in mouse model	2019	Pakistan Journal of Pharmaceutical Sciences	32	2	785	792
793	Mukhtar I., Anwar H., Hussain G., Rasul A., Naqvi S.A.R., Faisal M.N., Mustafa I., Malik S., Shaukat A., Mirza O.A., Sohail M.U.	Detection of paracetamol as substrate of the gut microbiome	2019	Pakistan Journal of Pharmaceutical Sciences	32	2	751	757

794	Roshan S., Mujahid A., Afzal A., Nisar I., Ahmad M.N., Hussain T., Bajwa S.Z.	Molecularly imprinted polymer-silica hybrid particles for biomimetic recognition of target drugs	2019	Advances in Polymer Technology	2019			
795	Wu S.-H., Awan M.U.	Estimates of upper bound for a function associated with Riemann-Liouville fractional integral via h-convex functions	2019	Journal of Function Spaces	2019			
796	Abrar S., Kazim Naqvi R., Javed S., Kiran S., Gulzar T.	Synthesis of a fluorescent whitening molecule and its application to wool fibres	2019	Current Organic Synthesis	16	2	314	318
797	Qi F., Habib S., Mubeen S., Naeem M.N.	Generalized k-fractional conformable integrals and related inequalities	2019	AIMS Mathematics	4	3	343	358
798	Paracha K.N., Abdul Rahim S.K., Soh P.J., Khalily M.	Wearable Antennas: A Review of Materials, Structures, and Innovative Features for Autonomous Communication and Sensing	2019	IEEE Access	7		56694	56712

799	Huma B.U.A., Saeed F., Asif Khan M., Niaz B., Tufail T., Anjum F.M., Hussain S., Rohi M.	Isolation and characterization of cereal cell walls	2019	International Journal of Food Properties	22	1	130	137
800	Arshad M.S., Amjad Z., Yasin M., Saeed F., Imran A., Sohaib M., Anjum F.M., Hussain S.	Quality and stability evaluation of chicken meat treated with gamma irradiation and turmeric powder	2019	International Journal of Food Properties	22	1	153	171
801	Ali A., Malik S.M., Sohail N.	Geo-spatial analysis: Identification of the central business district of Peshawar, Pakistan	2019	Pakistan Journal of Commerce and Social Sciences	13	1	123	149
802	Ameer F., Hanif M.K., Talib R., Sarwar M.U., Khan Z., Zulfiqar K., Riasat A.	Techniques, tools and applications of graph analytic	2019	International Journal of Advanced Computer Science and Applications	10	4	354	363
803	Noureen S., Khalid M., Zahir Z.A., Shahid M.	Phosphorus solubilization through acidified organic extract improved growth, yield and phosphorus uptake of maize grown in calcareous soil	2019	International Journal of Agriculture and Biology	22	1	65	72

804	Wu S., Awan M.U., Noor M.A., Noor K.I., Iftikhar S.	On a new class of convex functions and integral inequalities	2019	Journal of Inequalities and Applications	2019			
805	Rasul I., Zafar F., Ali M.A., Nadeem H., Siddique M.H., Shahid M., Ashfaq U.A., Azeem F.	Genetic basis for biotic stress resistance in plants from Solanaceae family: A review	2019	International Journal of Agriculture and Biology	22	1	178	194
806	Akram M., Idrees M.	Progress and prospects in the management of kidney stones and developments in phyto-therapeutic modalities	2019	International Journal of Immunopathology and Pharmacology	33			
807	Ali K., Akhtar N., Shuaib M., Ali S., Ghaffar A., Shah M., Khan A., Hussain F., Khan Z., Kaleem I., Nazir A., Iqbal M.	Impact of urbanization on vegetation: A survey of Peshawar, Pakistan	2019	Polish Journal of Environmental Studies	28	4	2523	2530
808	Yousaf I., Ishaq I., Hussain M.B., Inaam S., Saleem S., Qamar M.U.	Antibacterial activity of Pakistani Beri honey compared with silver sulfadiazine on infected wounds: A clinical trial	2019	Journal of Wound Care	28	5	291	296

809	Walayat K., Mohsin N.-U.-A., Aslam S., Ahmad M.	An insight into the therapeutic potential of piperazine-based anticancer agents	2019	Turkish Journal of Chemistry	43	1	1	23
810	Walayat K., Mohsin N.-U.-A., Aslam S., Ahmad M.	An insight into the therapeutic potential of piperazine-based anticancer agents	2019	Turkish Journal of Chemistry	43	2	369	393
811	Akhlaq M., Fahad S., Ullah H., Kausar S., Akram M., Khan F.S., Siddiqua A., Nazir R., Khan M., Sherazi M.R.H.	Enhanced solubility of flurbiprofen using soluplus® and its controlled release studies	2019	Latin American Journal of Pharmacy	38	4	792	799
812	Suleman K., Rasheed R., Rani S., Khan Z., Tariq A., Siddiqui A., Khan A.M., Murtaza G., Huang X.	In vitro evaluation of abiraterone acetate as a suitable candidate against colon cancer	2019	Latin American Journal of Pharmacy	38	4	787	791
813	Alvi Z., Nazir I., Javed Z.A., Abbas G., Hanif M., Shehzad M.A.	Orodispersible tablets of epalrestat for immediate release studies	2019	Latin American Journal of Pharmacy	38	4	813	820

814	Mujahid A., Choudhary T., Mehmood M., Irshad M., Hussain T., Bajwa S.Z., Ahmad M.N.	Nickel Sulfide Nanoparticles Incorporated Poly(methyl methacrylate)-Zirconia Membranes for Ultra Deep Desulfurization of Dibenzothiophene	2019	MRS Advances	4	7	369	375
815	Noreen S., Raza M., Malik S.N.	Certain geometric properties of Mittag-Leffler functions	2019	Journal of Inequalities and Applications	2019			
816	Mazhar S., Khalid M., Tahir M.N., Haroon M., Akhtar T., Khan M.U., Jaleel F., Aslam M.	Facile synthesis, crystal growth, quantum chemical studies of electronic structure and of the profoundly persuasive NLO organic crystal: Ethyl 4-[N,N-bis(p-toluenesulfonyl)]-Aminobenzoate	2019	Journal of the Chemical Society of Pakistan	41	1	122	132
817	Hussain S., Chen X., Harrison W.T., Ahmad S., Elsegood M., Khan I.U., Muhammad S.	Synthesis, thermal, structural analyses and photoluminescent properties of a new family of malonate-containing Lanthanide(III) coordination polymers	2019	Frontiers in Chemistry	7	APR		
818	Yumna H., Khan M.M., Ikram M., Ilyas S.	Use of Blockchain in Education: A Systematic Literature Review	2019	Lecture Notes in Computer Science (including subseries Lecture Notes in	11432 LNAI		191	202

				Artificial Intelligence and Lecture Notes in Bioinformatics)				
819	Rasool M.H., Zaheer M., Hassan M.F., Shafique M., Qamar M.U.	Isolation and antimicrobial susceptibility paradigm of carbapenem resistant metallo-beta-lactamase producing Gram negative rods	2019	Pakistan Journal of Zoology	51	3	849	854
820	Farooq M.U., Shah M.A.R., Yaseen M.R.	Mother schooling and malnutrition among children of Rural-Urban Pakistan	2019	Epidemiology Biostatistics and Public Health	16	1		
821	Shafiq U., Jamil U., Ayub N.	Comparative Analysis of Pigment Network as a Feature for Melanoma Detection	2019	Communications in Computer and Information Science	932		735	744
822	Haq F., Waseem L.A., Fazlur-Rahman, Ullah I., Tabassum I., Siddiqui S.	Environmental changes in the hindu raj mountains, Pakistan	2019	Environment and Natural Resources Journal	17	1	63	77
823	Zare M., Farooque A.A., Abbas F., Zaman Q., Bos M.	Trends in the variability of potato tuber yield under selected land and soil characteristics	2019	Plant, Soil and Environment	65	3	111	117

824	Asif M., Ali I., Malik M.S.A., Chaudary M.H., Tayyaba S., Mahmood M.T.	Annotation of Software Requirements Specification (SRS), Extractions of Nonfunctional Requirements, and Measurement of Their Tradeoff	2019	IEEE Access	7		36164	36176
825	Paracha K.N., Rahim S.K.A., Soh P.J., Kamarudin M.R., Tan K.-G., Lo Y.C., Islam M.T.	A Low Profile, Dual-band, Dual Polarized Antenna for Indoor/Outdoor Wearable Application	2019	IEEE Access	7		33277	33288
826	Tufail M., Chand N., Rafiullah, Ahmad S., Khan R.U., Mobashar M., Naz S.	Mannanoligosaccharide (MOS) in broiler diet during the finisher phase: 2. Growth traits and intestinal histomorphology	2019	Pakistan Journal of Zoology	51	2	597	602
827	Srinivasa Rao G., Raza M.A., Aslam M., Al-Marshadi A.H., Jun C.-H.	A Variable Control Chart Based on Process Capability Index under Generalized Multiple Dependent State Sampling	2019	IEEE Access	7		34031	34044
828	Sun X., Zhang Y., Li J., Aslam N., Sun H., Zhao J., Wu Z., He S.	Effects of particle size on physicochemical and functional properties of superfine black kidney bean (<i>Phaseolus vulgaris</i> L.) powder	2019	PeerJ	2019	2		
829	Mubeen S., Habib S., Naeem M.N.	The Minkowski inequality involving generalized k-fractional conformable integral	2019	Journal of Inequalities and Applications	2019			

830	Amin M.A., Hanif M.K., Sarwar M.U., Rehman A., Waheed F., Rehman H.	Parallel backpropagation neural network training techniques using Graphics Processing Unit	2019	International Journal of Advanced Computer Science and Applications	10	2	563	566
831	Yaseer M., Ur Rehman H., Usman A., Shah M.T.	Analysis of efficient Cognitive Radio MAC protocol for ad hoc networks	2019	International Journal of Advanced Computer Science and Applications	10	2	147	152
832	Shah M.A., Jawawi D.N.A., Isa M.A., Wakil K., Younas M., Mustafa A.	MINN: A missing data imputation technique for Analogy- Based Effort Estimation	2019	International Journal of Advanced Computer Science and Applications	10	2	222	232
833	Ghaffar A., Adeel S., Habib N., Jalal F., Atta- Ul-Haq, Munir B., Ahmad A., Jahangeer M., Jamil Q.	Effects of microwave radiation on cotton dyeing with reactive blue 21 dye	2019	Polish Journal of Environmental Studies	28	3	1687	1691
834	Ahmad S., Ranjha N.M., Rasool M.F., Nisar N., Rasul S., Abbas G., Kanwal F., Majeed A.	Preparation, swelling and drug release study of hydrogels based on different composition of acrylamide/acrylic acid	2019	Latin American Journal of Pharmacy	38	2	259	270

835	Kiran S., Huma T., Jalal F., Farooq T., Hameed A., Gulzar T., Bashir A., Rahmat M., Rahmat R., Rafique M.A.	Lignin degrading system of Phanerochaete chrysosporium and its exploitation for degradation of synthetic dyes wastewater	2019	Polish Journal of Environmental Studies	28	3	1749	1757
836	Abbas G., Hanif M., Shah S., Khan S.M., Rasul S.	Chemical properties of alginate-pectin polymeric rafts	2019	Latin American Journal of Pharmacy	38	2	350	354
837	Amad I., Hafeez F., Khan M.A., Nahid N., Javed M.R., Shaheen S., Farooq M., Khan A.Z., Hussain K.	Mitochondrial gene cytochrome c oxidase i (CO1) used for molecular identification of Bactrocera zonata in Pakistan	2019	Cellular and Molecular Biology	65	2	82	84
838	Gao W., Iqbal Z., Ishaq M., Aslam A., Aamir M., Binyamin M.A.	Bounds on Topological Descriptors of the Corona Product of F-Sum of Connected Graphs	2019	IEEE Access	7		26788	26796
839	Tariq S., Talib R., Hanif M.K., Sarwar M.U., Rashid H.M., Khalid M.Z.	A qualitative analysis to evaluate key characteristics of web mining based e-Commerce applications	2019	International Journal of Advanced Computer Science and Applications	10	1	352	365

840	Ali M., Chand N., Khan R.U., Naz S., Gul S.	Anticoccidial effect of garlic (<i>Allium sativum</i>) and ginger (<i>Zingiber officinale</i>) against experimentally induced coccidiosis in broiler chickens	2019	Journal of Applied Animal Research	47	1	79	84
841	Aslam N., Iqbal M.S., Hussain S.M., Rizwan M., Naseer Q.-U.-A., Afzal M., Muneer R., Batool F.	Effects of chelating agents on heavy metals in Hepatitis C Virus (HCV) patients	2019	Mathematical Biosciences and Engineering	16	3	1138	1149
842	Bin-Mohsin B., Awan M.U., Noor M.A., Riahi L., Noor K.I., Almutairi B.	New Quantum Hermite-Hadamard Inequalities Utilizing Harmonic Convexity of the Functions	2019	IEEE Access	7		20479	20483
843	Fatima S., Akhtar M.F., Ashraf K.M., Sharif A., Saleem A., Akhtar B., Peerzada S., Shabbir M., Ali S., Ashraf W.	Antioxidant and alpha amylase inhibitory activities of <i>Fumaria ofcinalis</i> and its antidiabetic potential against alloxan induced diabetes	2019	Cellular and Molecular Biology	65	2	50	57
844	Sajid M., Ratyal N.I., Ali N., Zafar B., Dar S.H., Mahmood M.T., Joo Y.B.	The impact of asymmetric left and asymmetric right face images on accurate age estimation	2019	Mathematical Problems in Engineering	2019			

845	Rasheed M.B., Javaid N., Arshad Malik M.S., Asif M., Hanif M.K., Chaudary M.H.	Intelligent Multi-Agent Based Multilayered Control System for Opportunistic Load Scheduling in Smart Buildings	2019	IEEE Access	7		23990	24006
846	Abbas N., Bhatti S.H., Shahzad T., Mahmood F., Azeem F., Abbas F., Hussain S., Hussain S.	Spatial distribution of isoproturon dissipation in varying agricultural lands and characterization of an isoproturon degrading bacterial strain S29 from genus Sphingobium	2019	International Journal of Agriculture and Biology	21	3	689	702
847	Haider Bhatti S., Hussain S., Ahmad T., Aftab M., Raza M.A., Tahir M.	Efficient estimation of Pareto model using modified maximum likelihood estimators	2019	Scientia Iranica	26	1E	605	614
848	Nisar N., Ali O., Islam A., Ahmad A., Yameen M., Ghaffar A., Iqbal M., Nazir A., Masood N.	A novel approach for modification of biosorbent by silane functionalization and its industrial application for single and multi-component solute system	2019	Zeitschrift fur Physikalische Chemie	233	11	1603	1623
849	Rashid M., Yousaf S., Sheikh S.A., Sajid Z., Shabbir A.S., Kausar T., Tariq N., Usman M., Shaikh R.S., Ali M., Bukhari S.A., Waryah A.M., Qasim M., Riazuddin S., Ahmed Z.M.	Identities and frequencies of variants in CYP1B1 causing primary congenital glaucoma in Pakistan	2019	Molecular Vision	25		144	154

850	Jalani H.A., Shah S.M.A., Anjum F., Khan S.G., Akhter N., Khan M., Akram M., Tahir I.M., Munir N.	Prevalence and co-infection of Malaria and Typhoid in the local population of Faisalabad, Pakistan	2019	Pakistan journal of pharmaceutical sciences	32	1	323	326
851	Rashid A., Saqib M., Deeba F., Khan J.A.	Microbial profile of burn wound infections and their antibiotic sensitivity patterns at burn unit of allied hospital Faisalabad	2019	Pakistan journal of pharmaceutical sciences	32	1	247	254
852	Tariq I., Farhan A., Ashfaq U.A., Qasim M., Rehman M., Humayun F., Shah M., Munir A., Masoud M.S.	Study on structural insight of the analysis of negative effects of opioids analgesics in naltrexone with TLR4 Mutations	2019	Pakistan journal of pharmaceutical sciences	32	1	345	351
853	Sultana S., Qureshi T., Asif H.M., Akram M., Ayaz S., Shah S.M.A.	Acute and sub acute toxicity study and randomized clinical trial of polyherbal coded drug candicure in the management of acute vulvo-vaginal candidiasis	2019	Pakistan journal of pharmaceutical sciences	32	1	315	322
854	Yousaf M., Imran M., Zulfiqar Z., Latif S., Bokhari T.H., Izhar F., Rehman S., Mitu L., Yousaf T.	Stabilization of sunflower oil using corn silk extract and its metal chelates	2019	Romanian Agricultural Research	2019	36		

855	Akhtar M.F., Saleem A., Alamgeer, Saleem M.	A comprehensive review on ethnomedicinal, pharmacological and phytochemical basis of anticancer medicinal plants of Pakistan	2019	Current Cancer Drug Targets	19	2	120	151
856	Ghazala G., Sultana S., Al-Ghanim K.A., Mahboob S.	The effect of profenofos on the nutritive composition of major carp for estimating maximum allowable toxicant concentration of the pesticide	2019	Polish Journal of Environmental Studies	28	3	1127	1133
857	Imran M., Saif M.J., Kuznetsov A.E., Idrees N., Iqbal J., Tahir A.A.	Computational investigations into the structural and electronic properties of cd : N Te n (n = 1-17) quantum dots	2019	RSC Advances	9	9	5091	5099
858	Sultana K., Zahoor M.K., Sagheer M., Farhat	Efficacy of Chrozophora plicata and Trianthema portuclacastrum weed plant extracts against Trogoderma granarium Everts under laboratory conditions	2019	Pakistan Journal of Pharmaceutical Sciences	32	1	143	152
859	Hafeez F., Rizwan M., Saqib M., Yasmeen T., Ali S., Abbas T., Zia-Ur-Rehman M., Qayyum M.F.	Residual effect of biochar on growth, antioxidant defence and cadmium (Cd) accumulation in rice in a Cd contaminated saline soil	2019	Pakistan Journal of Agricultural Sciences	56	1	197	204

860	Abbas S., Nasir S., Fakhar-e-Alam M., Saadullah M.	Toxicity of different groups of insecticides and determination of resistance in Aedes aegypti from different habitats	2019	Pakistan Journal of Agricultural Sciences	56	1	161	169
861	Ahmad S., Akram M.	Antifungal activity in the methanolic, aqueous and hexane extracts of calligonum polygonoides	2019	International Journal of Immunopathology and Pharmacology	33			
862	Perveen S., Yousaf M., Mushtaq M.N., Sarwar N., Khaliq A., Hashim S.	Selective bioherbicidal potential of delonix regia allelopathic leaf extract on germination and seedling growth of field bindweed and wheat	2019	Applied Ecology and Environmental Research	17	1	511	519
863	Noreen S., Raza M., Liu J.-L., Arif M.	Geometric properties of normalized mittag-leffler functions	2019	Symmetry	11	1		
864	Saleem M., Raza S.K., G Musharraf S.	A comparative protein analysis of lung cancer, along with three controls using a multidimensional proteomic approach	2019	Experimental Biology and Medicine	244	1	36	41

865	Khan S.M., Abbas G., Ur Rehman N., Hanif M., Adnan S., Kanwal F., Sadeeqa S., Ahmed M.M.	Method development and simultaneous determination of propranolol hydrochloride and isosorbide mononitrate by central composite rotatable design	2019	Latin American Journal of Pharmacy	38	1	39	45
866	Rasheed R., Usmani S., Raza Naqvi S., Alkandari F., Marafi F.	Alpha therapy with ²²⁵ Actinium labeled prostate specific membrane antigen: Reporting new photopeak of 78 kilo-electron volts for better image statistics	2019	Indian Journal of Nuclear Medicine	34	1	76	77
867	Amin N., Arshad M.I., Ajaz-Un-Nabi M., Mahmood K., Iqbal M.Z., Ali A., Wahla M.T., Sharif M., Asif M., Sabar N., Ikram S., Ahmad M.R., Farooq Z., Hussain K., Bibi A., Mustafa G.	Effect of Cd ²⁺ ions insertion on structural, optical and electrical properties of Zn _{0.3} Co _{0.7-x} Cd _x Fe ₂ O ₄ (0 ≤ x ≤ 0.7) ferrites	2019	Journal of Ovonic Research	15	1	27	35
868	Taimoor F., Saleem U., Anwar F., Ahmad B., Ismail T., Hussain A., Khan F.S., Akhlaq M., Akram M., Siddiqua A.	Reversal of P-glycoprotein mediated resistance in Pseudomonas aeruginosa and Escherichia coli by various agents	2019	Latin American Journal of Pharmacy	38	1	18	23

869	De Clercq D., Haq I.U., Azeem M.U., Ahmad H.N.	The Relationship between Workplace Incivility and Helping Behavior: Roles of Job Dissatisfaction and Political Skill	2019	Journal of Psychology: Interdisciplinary and Applied				
870	Adeel M., Asif M., Faisal M.N., Chaudary M.H., Malik M.S., Khalid M.	Comparative study of adjuvant chemotherapeutic efficacy of docetaxel plus cyclophosphamide and doxorubicin plus cyclophosphamide in female breast cancer	2019	Cancer Management and Research	11		727	739
871	Cho K., Kang M.C., Parveen A., Yumnam S., Kim S.Y.	Anti-inflammatory effect of chloroform fraction of pyrus ussuriensis maxim. Leaf extract on 2, 4-dinitrochlorobenzene-induced atopic dermatitis in nc/nga mice	2019	Nutrients	11	2		
872	Anwar H., Suchodolski J.S., Ullah M.I., Hussain G., Shabbir M.Z., Mustafa I., Sohail M.U.	Shiitake culinary-medicinal mushroom, lentinus edodes (Agaricomycetes), supplementation alters gut microbiome and corrects dyslipidemia in rats	2019	International Journal of Medicinal Mushrooms	21	1	79	88
873	Zeshan Yaqoob M., Ghaffar A., Alkanhal M., Ur Rehman S.	Characteristics of lightâ€“plasmon coupling on chiralâ€“graphene interface	2019	Journal of the Optical Society of America B: Optical Physics	36	1	90	95

874	Ghfar M.A., Akram N.A., Ashraf M., Ashraf M.Y., Sadiq M.	Thiamin-induced variations in oxidative defense processes in white clover (<i>Trifolium repens</i> L.) under water deficit stress	2019	Turkish Journal of Botany	43	1	58	66
875	Sehrish A.K., Aziz R., Hussain M.M., Rafiq M.T., Rizwan M., Muhammad N., Rafiq M.K., Sehar A., Din J., Al-Wabel M.I., Ali S.	Effect of poultry litter biochar on chromium (Cr) bioavailability and accumulation in spinach (<i>Spinacia oleracea</i>) grown in Cr-polluted soil	2019	Arabian Journal of Geosciences	12	2		
876	Ahmad M., Abbas G., Haider R., Jalal F., Shar G.A., Soomro G.A., Qureshi N., Iqbal M., Nazir A.	Kinetics and equilibrium studies of <i>Eriobotrya japonica</i> : A novel adsorbent preparation for dyes sequestration	2019	Zeitschrift fur Physikalische Chemie	233	10	1469	1484
877	Majid F., Rauf J., Ata S., Bibi I., Yameen M., Iqbal M.	Hydrothermal Synthesis of Zinc Doped Nickel Ferrites: Evaluation of Structural, Magnetic and Dielectric Properties	2019	Zeitschrift fur Physikalische Chemie	233	10	1411	1430

878	Majid F., Malik A., Ata S., Hussain Z., Bibi I., Iqbal M., Rafay M., Rizvi H.	Structural and optical properties of multilayer heterostructure of CdTe/CdSe thin films	2019	Zeitschrift fur Physikalische Chemie	233	9	1215	1231
879	Hayat S., Muzammil S., Shabana, Aslam B., Siddique M.H., Saqalein M., Nisar M.A.	Quorum quenching: Role of nanoparticles as signal jammers in Gram-negative bacteria	2019	Future Microbiology	14	1	61	72
880	Ali Q., Yaseen M.R., Khan M.T.I.	The causality of road traffic fatalities with its determinants in upper middle income countries: A continent-wide comparison	2019	Transportation Research Part A: Policy and Practice	119		301	312
881	Khan M.U., Ibrahim M., Khalid M., Qureshi M.S., Gulzar T., Zia K.M., Al-Saadi A.A., Janjua M.R.S.A.	First theoretical probe for efficient enhancement of nonlinear optical properties of quinacridone based compounds through various modifications	2019	Chemical Physics Letters	715		222	230

882	PÃ©rez J.A.C., Sosa-HernÃ¡ndez J.E., Hussain S.M., Bilal M., Parra-Saldivar R., Iqbal H.M.N.	Bioinspired biomaterials and enzyme-based biosensors for point-of-care applications with reference to cancer and bio-imaging	2019	Biocatalysis and Agricultural Biotechnology	17		168	176
883	Khan A.S., Arif K., Munir B., Kiran S., Jalal F., Qureshi N., Hassan S.M., Soomro G.A., Nazir A., Ghaffar A., Tahir M.A., Iqbal M.	Estimating total phenolics in Taraxacum officinale (L.) extracts	2019	Polish Journal of Environmental Studies	28	1	497	501
884	Nouren S., Sarwar M., Muhi-Ud-Din G., Yameen M., Bhatti H.N., Soomro G.A., Suleman M., Bibi I., Kausar A., Nazir A., Iqbal M.	Sweet lime-mediated decolorization of textile industry effluents	2019	Polish Journal of Environmental Studies	28	1	283	289

885	Arshad M., Hussain T., Chaudhry N., Sadia H., Aslam B., Tahir U., Abbas M., Qureshi N., Nazir A., Rajoka M.I., Iqbal M.	Enhancing profitability of ethanol fermentation through gamma ray mutagenesis of <i>Saccharomyces cerevisiae</i>	2019	Polish Journal of Environmental Studies	28	1	35	41
886	Habiba U., Ali S., Hafeez F., Rizwan M., ur Rehman M.Z., Hussain A., Asad S.A.	Morpho-physiological responses of maize cultivars exposed to chromium stress	2019	International Journal of Agriculture and Biology	21	1	140	148
887	Bhatti A.R., Salam Z., Sultana B., Rasheed N., Awan A.B., Sultana U., Younas M.	Optimized sizing of photovoltaic grid-connected electric vehicle charging system using particle swarm optimization	2019	International Journal of Energy Research	43	1	500	522
888	Asif M., Yehya A.H.S., Dahham S.S., Mohamed S.K., Shafaei A., Ezzat M.O., Abdul Majid A.S., Oon C.E., Abdul Majid A.M.S.	Establishment of in vitro and in vivo anti-colon cancer efficacy of essential oils containing oleo-gum resin extract of <i>Mesua ferrea</i>	2019	Biomedicine and Pharmacotherapy	109		1620	1629
889	Mahmood K., Akbar S., Ramzan M., Wasiq M.F., Khan M.A.	Growth and electrical characterization of Cr-Lu ₂ O ₃ -Cr MIM structure by electron beam evaporation technique	2019	Materials Research Express	6	1		

890	Hasan M.S., Arshad M.I., Ali A., Mahmood K., Amin N., Ali S.S., Khan M.I., Mustafa G., Khan M.J., Saleem M.	Mg and la co-doped ZnNi spinel ferrites for low resistive applications	2019	Materials Research Express	6	1		
891	Khalil R.M.A., Hussain F., Imran M., Rana A.M., Murtaza G.	ab initio study of the exo-hydrogenated single wall carbon nanotubes	2019	Physica B: Condensed Matter	552		124	129
892	Naqi A., Abbas N., Zahra N., Hussain A., Shabbir S.Q.	Effect of multi-walled carbon nanotubes (MWCNTs) on the strength development of cementitious materials	2019	Journal of Materials Research and Technology	8	1	1203	1211
893	Rizwan M., Ali S., Ali B., Adrees M., Arshad M., Hussain A., Zia ur Rehman M., Waris A.A.	Zinc and iron oxide nanoparticles improved the plant growth and reduced the oxidative stress and cadmium concentration in wheat	2019	Chemosphere	214		269	277
894	Jin X., Asghar S., Zhang M., Chen Z., Zhang J., Ping Q., Xiao Y.	Effects of phospholipid and polyethylene glycol monostearate (100) on the in vitro and in vivo physico-chemical characterization of poly(n-butyl cyanoacrylate) nanoparticles	2019	Colloids and Surfaces B: Biointerfaces	173		320	326
895	Zahra R., Mahmood K., Ali A., Rehman U., Amin N., Arshad M.I., Hussain S., Mahmood M.H.R.	Growth of Zn ₂ GeO ₄ thin film by thermal evaporation on ITO substrate for thermoelectric power generation applications	2019	Ceramics International	45	1	312	316

896	Yehya A.H.S., Asif M., Kaur G., Hassan L.E.A., Al-Suede F.S.R., Abdul Majid A.M.S., Oon C.E.	Toxicological studies of Orthosiphon stamineus (Misai Kucing) standardized ethanol extract in combination with gemcitabine in athymic nude mice model	2019	Journal of Advanced Research	15		59	68
897	Rehman K., Chohan T.A., Waheed I., Gilani Z., Akash M.S.H.	Taxifolin prevents postprandial hyperglycemia by regulating the activity of α -amylase: Evidence from an in vivo and in silico studies	2019	Journal of Cellular Biochemistry	120	1	425	438
898	Qureshi N., Ehtisham-Ul-Haque S., Abbas M., Yameen M., Farooq Azhar M., Mahmoudi G., Nazir A., Iqbal M.	Synthesis of fluorescent di-dansyl substituted ethoxy compound: A selective sensor for antimony and thallium metals detection	2019	Journal of Materials Research and Technology	8	1	1576	1580
899	Shahzad T., Anwar F., Hussain S., Mahmood F., Arif M.S., Sahar A., Nawaz M.F., Perveen N., Sanaullah M., Rehman K., Rashid M.I.	Carbon dynamics in surface and deep soil in response to increasing litter addition rates in an agro-ecosystem	2019	Geoderma	333		1	9