

S.no.	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	DOI	ISSN
1	Shah S.M., Riyaz R., Wani T.M., Ashraf A., Naz S.F.	Optimal rotation angle for finite constellation over additive white Gaussian noise multiple access wiretap channel	2020	IET Communications	14	21	3845	3852	10.1049/iet-com.2019.0244	17518628
2	Sampath M.I.G.S., Kumar R., Soodan B.S., Liu J., Sharma S.	A matrix method for transient solution of an m/m/2/n queuing system with heterogeneous servers and retention of reneging customers	2020	Reliability: Theory and Applications	15	4	128	137	10.24411/1932-2321-2020-14012	19322321
3	Laxmi P.V., Bhavani E.G., Kumar R.	Correlated reneging in an optional service markovian queue with working vacations	2020	Reliability: Theory and Applications	15	4	102	116	10.24411/1932-2321-2020-14010	19322321
4	Priya P., Kumar A.	Social acceptance and section 377: A case study of transgender people in Jammu city	2020	Gender Studies	19	1	137	156	10.2478/genst-2021-0008	1583980X
5	Javaid M., Haleem A., Singh R.P., Ul Haq M.I., Raina A., Suman R.	Industry 5.0: Potential applications in covid-19	2020	Journal of Industrial Integration and Management	5	4	507	530	10.1142/S2424862220500220	24248622
6	Shah R., Sharma V., Singh H., Sharma I., Bhat G.A., Shah I.A., Iqbal B., Rafiq R., Nissa N., Muzaffar M., Rasool M.T., Lone G.N., Kaul S., Lone M.M., Rai E., Dar N.A., Sharma S.	LRFN2 gene variant rs2494938 provides susceptibility to esophageal cancer in the population of Jammu and Kashmir	2020	Journal of Cancer Research and Therapeutics	16	8	S156	S159	10.4103/jcrt.JCRT_613_19	9731482
7	Verma S., Sharma I., Sharma V., Bhat A., Shah R., Bhat G.R., Sharma B., Bakshi D., Nagpal A., Wakhloo A., Bhat A., Kumar R.	MassArray analysis of genomic susceptibility variants in ovarian cancer	2020	Scientific Reports	10	1			10.1038/s41598-020-76491-7	20452322
8	Islam A.U.	Do Shareholder Activism Effect Corporate Governance and Related Party Transactions: Evidences from India?	2020	Indian Journal of Corporate Governance	13	2	165	189	10.1177/0974686220966810	9746862

9	Raina N., Slathia P.S., Sharma P.	Experimental optimization of thermochemical pretreatment of sal (Shorea robusta) sawdust by Central Composite Design study for bioethanol production by co-fermentation using Saccharomyces cerevisiae (MTCC-36) and Pichia stipitis (NCIM-3498)	2020	Biomass and Bioenergy	143				10.1016/j.biombioe.2020.105819	9619534
10	Sharma A.K., Potdar S.S., Pakhare K.S., Patil U.M., Patil V.S., Naik M.C.	Nanostructured CdO–ZnO composite thin films for sensing application	2020	Journal of Materials Science: Materials in Electronics	31	23	20932	20944	10.1007/s10854-020-04607-w	9574522
11	Ahmed S., Naz S.F., Bhat S.M.	Design of quantum-dot cellular automata technology based cost-efficient polar encoder for nanocommunication systems	2020	International Journal of Communication Systems	33	18			10.1002/dac.4630	10745351
12	Raj K., Saini K., Choudhary A.	Orlicz lacunary sequence spaces of I-fractional difference operators	2020	Journal of Applied Analysis	26	2	173	183	10.1515/jaa-2020-2018	14256908
13	Akber N., Gupta M., Paltasingh K.R.	The Crowding-in/ out Debate in Investments in India: Fresh Evidence from NARDL Application	2020	South Asian Journal of Macroeconomics and Public Finance	9	2	167	189	10.1177/2277978720942676	22779787
14	Kour P., Ahuja M., Sharma P., Kumar A., Kumar A.	An improved protocol for the synthesis of 3,4-disubstituted isoxazol-5(4H)-ones through L-valine-mediated domino three-component strategy	2020	Journal of Chemical Sciences	132	1			10.1007/s12039-020-01801-5	9743626
15	Sachdev K., Gupta M.K.	A hybrid ensemble-based technique for predicting drug–target interactions	2020	Chemical Biology and Drug Design	96	6	1447	1455	10.1111/cbd.d.13753	17470277

16	Lone T.A., Rashid A., Gupta S., Gupta S.K., Rao D.S., Najim M., Srivastava A., Kumar A., Umrao L.S., Singhal A.	Securing communication by attribute-based authentication in HetNet used for medical applications	2020	Eurasip Journal on Wireless Communications and Networking	2020	1			10.1186/s13638-020-01759-5	16871472
17	Bhushan R.K., Sharma D.	Investigation of mechanical properties and surface roughness of friction stir welded AA6061-T651	2020	International Journal of Mechanical and Materials Engineering	15	1			10.1186/s40712-020-00119-x	18230334
18	Magotra S., Kaushik B., Kaul A.	A Comparative analysis for identification and classification of text segmentation challenges in Takri Script	2020	Sadhana - Academy Proceedings in Engineering Sciences	45	1			10.1007/s12046-020-01384-4	2562499
19	Palit S.P., Patel R., Jadeja S.D., Rathwa N., Mahajan A., Ramachandran A.V., Dhar M.K., Sharma S., Begum R.	Publisher Correction: A genetic analysis identifies a haplotype at adiponectin locus: Association with obesity and type 2 diabetes (Scientific Reports, (2020), 10, 1, (2904), 10.1038/s41598-020-59845-z)	2020	Scientific Reports	10	1			10.1038/s41598-020-62762-w	20452322
20	Sethi I., Sharma V., Sharma I., Singh G., Bhat G.R., Bhanwer A.J.S., Sharma S., Rai E.	Telomere Maintenance Genes are associated with Type 2 Diabetes Susceptibility in Northwest Indian Population Group	2020	Scientific Reports	10	1			10.1038/s41598-020-63510-w	20452322
21	Kılıçman A., Raj K.	Matrix transformations of Norlund–Orlicz difference sequence spaces of nonabsolute type and their Toeplitz duals	2020	Advances in Difference Equations	2020	1			10.1186/s13662-020-02567-3	16871839
22	Palit S.P., Patel R., Jadeja S.D., Rathwa N., Mahajan A., Ramachandran A.V., Dhar M.K., Sharma S., Begum R.	A genetic analysis identifies a haplotype at adiponectin locus: Association with obesity and type 2 diabetes	2020	Scientific Reports	10	1			10.1038/s41598-020-59845-z	20452322

23	Bhagat D., Raina N., Kumar A., Katoch M., Khajuria Y., Slathia P.S., Sharma P.	Probiotic properties of a phytase producing <i>Pediococcus acidilactici</i> strain SMVDUB2 isolated from traditional fermented cheese product, Kalarei	2020	Scientific Reports	10	1			10.1038/s41598-020-58676-2	20452322
24	Sharma S., Dutta V., Eswaramoorthy M.	An Experimental Investigation on multi-V and protrusion element on absorber plate of solar air heater	2020	Energy Sources, Part A: Recovery, Utilization and Environmental Effects	42	22	2742	2750	10.1080/15567036.2019.1618986	15567036
25	Kajal, Sharma V.K.	Design of low power AOI FinFET circuits at 7nm	2020	Proceedings of the 4th International Conference on Electronics, Communication and Aerospace Technology, ICECA 2020			136	142	10.1109/ICECA49313.2020.9297487	
26	Prakash R., Mahajan R.	Structural and luminescent properties of europium activated magnesium orthophosphate phosphor	2020	AIP Conference Proceedings	2265				10.1063/5.0017195	0094243X
27	Sharma N., Singh V.K., Lee Y., Kumar S., Rai P.K., Pathak A.K., Singh V.K.	Analysis of mineral elements in medicinal plant samples using libs and ICP-OES	2020	Atomic Spectroscopy	41	6	234	241	10.46770/AS.2020.06.003	1955373
28	Sharma R., Kaushik B.	Offline recognition of handwritten Indic scripts: A state-of-the-art survey and future perspectives	2020	Computer Science Review	38				10.1016/j.csrev.2020.100302	15740137
29	Sari A., Tyagi V.V.	Thermal energy storage properties and lab-scale thermal performance in cementitious plaster of composite phase change material for energy efficiency of buildings	2020	Environmental Progress and Sustainable Energy	39	6			10.1002/ep.13455	19447442

30	Bhat A.A., Majumdar K., Mishra R.K.	Local support for tourism development and its determinants: an empirical study of Kashmir region	2020	Asia Pacific Journal of Tourism Research	25	11	1232	1249	10.1080/10941665.2020.1837890	10941665
31	Tiwari S.K., Paltasingh K.R., Jena P.K.	Caste-class association and school participation in Uttar Pradesh, India: Evidence from NSSO data	2020	International Journal of Educational Development	79				10.1016/j.ijedudev.2020.102292	7380593
32	Irfan Ul Haq M., Raina A., Anand A., Sharma S.M., Kumar R.	Elucidating the Effect of MoS ₂ on the Mechanical and Tribological Behavior of AA7075/Si ₃ N ₄ Composite	2020	Journal of Materials Engineering and Performance	29	11	7445	7455	10.1007/s11665-020-05197-8	10599495
33	Reji Kumar R., Samykano M., Pandey A.K., Kadirgama K., Tyagi V.V.	Phase change materials and nano-enhanced phase change materials for thermal energy storage in photovoltaic thermal systems: A futuristic approach and its technical challenges	2020	Renewable and Sustainable Energy Reviews	133				10.1016/j.rsener.2020.110341	13640321
34	Kothari R., Vashishtha A., Singh H.M., Pathak V.V., Tyagi V.V., Yadav B.C., Ashokkumar V., Singh D.P.	Assessment of Indian bioenergy policy for sustainable environment and its impact for rural India: Strategic implementation and challenges	2020	Environmental Technology and Innovation	20				10.1016/j.eti.2020.101078	23521864
35	Mohan Singh H., Tyagi V.V., Kothari R., Azam R., Singh Slathia P., Singh B.	Bioprocessing of cultivated Chlorella pyrenoidosa on poultry excreta leachate to enhance algal biomolecule profile for resource recovery	2020	Bioresource Technology	316				10.1016/j.biortech.2020.123850	9608524
36	Ahmad S., Chaudhary S., Pathak V.V., Kothari R., Tyagi V.V.	Optimization of direct transesterification of Chlorella pyrenoidosa catalyzed by waste egg shell based heterogeneous nano – CaO catalyst	2020	Renewable Energy	160		86	97	10.1016/j.renene.2020.06.010	9601481
37	Kour H., Jha R.K.	Half-duplex radio: Toward green 5G NR	2020	IEEE Consumer Electronics Magazine	9	6	34	40	10.1109/MCE.2020.2993105	21622248

38	Singh C., Jha K.R., Sharma S.K.	Tripole type wideband bandpass frequency selective surface for X-band applications	2020	IET Microwaves, Antennas and Propagation	14	13	1619	1625	10.1049/iet-map.2019.1028	17518725
39	Deka P.P., Ansu A.K., Sharma R.K., Tyagi V.V., Sari A.	Development and characterization of form-stable porous TiO ₂ /tetradecanoic acid based composite PCM with long-term stability as solar thermal energy storage material	2020	International Journal of Energy Research	44	13	10044	10057	10.1002/er.5615	0363907X
40	Pattnaik D., Kumar S., Vashishtha A.	Research on trade credit – a systematic review and bibliometric analysis	2020	Qualitative Research in Financial Markets	12	4	367	390	10.1108/QRFM-09-2019-0103	17554179
41	Nazeer I., Rashid M., Gupta S.K., Kumar A.	Use of novel ensemble machine learning approach for social media sentiment analysis	2020	Analyzing Global Social Media Consumption			16	28	10.4018/978-1-7998-4718-2.ch002	
42	Khan A., Gupta S.K., Assiri E.I., Rashid M., Mohammed Y.T., Najim M., Alharbi Y.R.	Flood monitoring and warning system: Het-sens a proposed model	2020	2020 2nd International Conference on Computer and Information Sciences, ICCIS 2020					10.1109/ICCI S49240.2020.9257693	
43	Kour H., Jha R.K.	Electromagnetic Radiation Reduction in 5G Networks and beyond Using Thermal Radiation Mode	2020	IEEE Transactions on Vehicular Technology	69	10	11841	11856	10.1109/TVT.2020.3020004	189545
44	Laghari I.A., Samykano M., Pandey A.K., Kadirgama K., Tyagi V.V.	Advancements in PV-thermal systems with and without phase change materials as a sustainable energy solution: energy, exergy and exergoeconomic (3E) analytic approach	2020	Sustainable Energy and Fuels	4	10	4956	4987	10.1039/d0se00681e	23984902

45	Kumar R., Soodan B.S.	Transient solution of a single server queuing model with correlated reneging using Runge-Kutta method	2020	International Journal of Mathematical, Engineering and Management Sciences	5	5	886	896	10.33889/IJ MEMS.2020.5.5.068	24557749
46	Mujtaba A., Jena P.K., Mukhopadhyay D.	Determinants of CO2 emissions in upper middle-income group countries: an empirical investigation	2020	Environmental Science and Pollution Research	27	30	37745	37759	10.1007/s11356-020-09803-z	9441344
47	Tiwari R.N., Singh P., Kanaujia B.K., Pandit A.K.	A Coalesced Kite Shaped Monopole Antenna for UWB Technology	2020	Wireless Personal Communications	114	4	3031	3048	10.1007/s11277-020-07516-7	9296212
48	George M., Pandey A.K., Rahim N.A., Tyagi V.V., Shahabuddin S., Saidur R.	Long-term thermophysical behavior of paraffin wax and paraffin wax/polyaniline (PANI) composite phase change materials	2020	Journal of Energy Storage	31				10.1016/j.est.2020.101568	2352152X
49	Sharma S., Lalrohlui F., Sharma V., Sharma I., Sharma S., Parihar T.J., Zohmingthanga J., Singh V., Sharma S., Senthil Kumar N., Rai E.	Candidate gene association study of UCP3 variant rs1800849 with T2D in Mizo population of Northeast India	2020	International Journal of Diabetes in Developing Countries	40	4	513	517	10.1007/s13410-020-00812-9	9733930
50	Sood K., Muthusamy E.	A comprehensive review on hybrid renewable energy systems	2020	Modern Physics Letters B	34	27			10.1142/S021798492050	2179849
51	Pathak A.K., Kothari R., Tyagi V.V., Anand S.	Integrated approach for textile industry wastewater for efficient hydrogen production and treatment through solar PV electrolysis	2020	International Journal of Hydrogen Energy	45	48	25768	25782	10.1016/j.ijhydene.2020.03.079	3603199
52	Sharma D., Taggar R., Bindra S., Dhir S.	A systematic review of responsiveness to develop future research agenda: a TCCM and bibliometric analysis	2020	Benchmarking	27	9	2649	2677	10.1108/BIJ-12-2019-0539	14635771

53	Gupta S., Mahajan S., Pandit A.K.	A Review on Image Processing Techniques	2020	Proceedings - 2020 12th International Conference on Computational Intelligence and Communication Networks, CICN 2020			20	24	10.1109/CICN49253.2020.9242606	
54	Yogesh, Hazra P., Sharma V.K.	Sub Threshold Conduction and the Possible Approach towards Low Power Design using Bootstrapping Technique: A Prototype Design	2020	Proceedings - 2020 12th International Conference on Computational Intelligence and Communication Networks, CICN 2020			497	500	10.1109/CICN49253.2020.9242595	
55	Mahajan S., Gupta S., Pandit A.K.	Image Superiority Calculation Meant for Biometric Fake Detection Approach of Fingerprint	2020	Proceedings - 2020 12th International Conference on Computational Intelligence and Communication Networks, CICN 2020			368	374	10.1109/CICN49253.2020.9242602	
56	Sari A., Hekimoğlu G., Tyagi V.V., Sharma R.K.	Evaluation of pumice for development of low-cost and energy-efficient composite phase change materials and lab-scale thermoregulation performances of its cementitious plasters	2020	Energy	207				10.1016/j.energy.2020.118242	3605442

57	Ahmed S., Bhat S.M., Kakkar V.	Design of Efficient 1-bit Comparator in Quantum dot Cellular Automata Nano-computing	2020	Proceedings of 2020 IEEE-HYDCON International Conference on Engineering in the 4th Industrial Revolution, HYDCON 2020					10.1109/HYDCON48903.2020.9242666	
58	Katoch S.S., Eswaramoorthy M.	A Detailed Review on Electric Vehicles Battery Thermal Management System	2020	IOP Conference Series: Materials Science and Engineering	912	4			10.1088/1757-899X/912/4/042005	17578981
59	Baru S., Bhatia S.	A review on thermoelectric cooling technology and its applications	2020	IOP Conference Series: Materials Science and Engineering	912	4			10.1088/1757-899X/912/4/042004	17578981
60	Bakshi D., Nagpal A., Sharma V., Sharma I., Shah R., Sharma B., Bhat A., Verma S., Bhat G.R., Abrol D., Sharma R., Vaishnavi S., Kumar R.	MassARRAY-based single nucleotide polymorphism analysis in breast cancer of north Indian population	2020	BMC Cancer	20	1			10.1186/s12885-020-07361-8	14712407
61	Ahmed S., Naz S.F.	Design of quantum dot cellular automata based fault tolerant convolution encoders for secure nanocomputing	2020	International Journal of Quantum Information	18	6			10.1142/S021974992050032X	2197499
62	Bhat G.R., Verma S., Bhat A., Shah R., Sethi I., Dar K.A., Abrol D., Bhat A., Raina R., Kumar R.	Genetic variant rs2494938 of LRFN2 gene is associated with non-small cell lung cancer risk in North-Indian population	2020	3 Biotech	10	9			10.1007/s13205-020-02403-1	2190572X
63	Singh S., Sharma S., Ganie A.H.	On generalized knowledge measure and generalized accuracy measure with applications to MADM and pattern recognition	2020	Computational and Applied Mathematics	39	3			10.1007/s40314-020-01243-2	22383603

64	Wani I.M., Arora S.	Computer-aided diagnosis systems for osteoporosis detection: a comprehensive survey	2020	Medical and Biological Engineering and Computing	58	9	1873	1917	10.1007/s11517-020-02171-3	1400118
65	Sachdev K., Gupta M.K.	A comprehensive review of computational techniques for the prediction of drug side effects	2020	Drug Development Research	81	6	650	670	10.1002/ddr.21669	2724391
66	Mushtaq U., Sharma V.K.	Design and analysis of INDEP FinFET SRAM cell at 7-nm technology	2020	International Journal of Numerical Modelling: Electronic Networks, Devices and Fields	33	5			10.1002/jnm.2730	8943370
67	Sharma S., Jamwal G., Awasthi R.K.	Dynamic and stability performance improvement of the hydrodynamic bearing by using triangular-shaped textures	2020	Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology	234	9	1436	1451	10.1177/1350650119891513	13506501
68	Singh V.P., Pathania A.S., Kushwaha M., Singh S., Sharma V., Malik F.A., Khan I.A., Kumar A., Singh D., Vishwakarma R.A.	14-Residue peptaibol velutibol A from: Trichoderma velutinum: Its structural and cytotoxic evaluation	2020	RSC Advances	10	52	31233	31242	10.1039/d0ra05780k	20462069
69	Ansu A.K., Sharma R.K., Tyagi V.V., Tripathi D.	Prediction of Thermal Properties and Reliability Testing of Binary Eutectic Mixture of Polyethylene Glycol 2000 and 10000 as Phase Change Materials	2020	ChemistrySelect	5	31	9745	9757	10.1002/slct.202002183	23656549
70	Assaedi H., Alomayri T., Kaze C.R., Jindal B.B., Subaer S., Shaikh F., Alraddadi S.	Characterization and properties of geopolymer nanocomposites with different contents of nano-CaCO ₃	2020	Construction and Building Materials	252				10.1016/j.conbuildmat.2020.119137	9500618

71	Jindal B.B., Sharma R.	The effect of nanomaterials on properties of geopolymers derived from industrial by-products: A state-of-the-art review	2020	Construction and Building Materials	252				10.1016/j.conbuildmat.2020.119028	9500618
72	Kumar V., Kour P., Kumar A.	LiBr-catalyzed one-pot three-component domino strategy toward the construction of β -phosphonomalonates scaffolds in aqueous conditions	2020	Phosphorus, Sulfur and Silicon and the Related Elements	195	8	607	613	10.1080/10426507.2019.1702988	10426507
73	Singh V.D., Uppal A., Kamni, Khajuria Y., Srinivasan R., Narayana B., Sarojini B.K., Anthal S., Kant R.	Synthesis, FT-IR, UV-VIS, DFT studies and SCXRD structure of 1-(tert-butyl) 3-ethyl-3-(hydroxy(thiophen-2-yl)methyl)piperidine-1,3-dicarboxylate	2020	Indian Journal of Chemistry - Section B Organic and Medicinal Chemistry	59	8	1043	1056		3764699
74	Dadwhal Y.S., Kumar S., Sardana H.K.	Supervised framework for top-down color interest point detection	2020	SN Applied Sciences	2	8			10.1007/s42452-020-3189-y	25233971
75	Mohan S., Anand A., Haq M.I.U., Raina A., Kumar R., Kamal M.	Development of a NIOSH based software tool for musculoskeletal disorders	2020	Indian Journal of Engineering and Materials Sciences	27	4	860	865		9714588
76	Jayalakshmi S., Singh R.A., Mohan S., Chen X., Gupta M.	Mechanical and tribological properties of aluminium incorporated with amorphous Ni60Nb40 particles	2020	Indian Journal of Engineering and Materials Sciences	27	4	844	852		9714588
77	Mohd Shah M.K., Beng Y.K., Mohan S., Husen M.N., Othman I., Tan Y.P.	Experimental and numerical study of the crushing behavior of pultruded composite tube structure	2020	Journal of Polymer Engineering	40	7	615	627	10.1515/pol-yeng-2020-0052	3346447
78	Rajput P., Vashishtha P., Gupta G., Singh P., Pathania K.	Synthesis, characterization and photoluminescence of Dy ³⁺ -doped MgZnO nanophosphors	2020	Applied Physics A: Materials Science and Processing	126	8			10.1007/s00339-020-03783-0	9478396

79	Hossain M.S., Pandey A.K., Rahim N.A., Selvaraj J., Tyagi V.V., Islam M.M.	Self-cleaning assisted photovoltaic system with thermal energy storage: Design and performance evaluation	2020	Solar Energy	206		487	498	10.1016/j.solener.2020.06.031	0038092X
80	Khajuria P., Mahajan R., Kumar S., Prakash R., Choudhary R.J., Phase D.M.	Surface and spectral investigation of Sm ³⁺ doped MgO-ZrO ₂ phosphor	2020	Optik	216				10.1016/j.ijleo.2020.164909	304026
81	Khan A., Gupta S., Gupta S.K.	Multi-hazard disaster studies: Monitoring, detection, recovery, and management, based on emerging technologies and optimal techniques	2020	International Journal of Disaster Risk Reduction	47				10.1016/j.ijdr.2020.101642	22124209
82	Bakshi A., Gupta S., Gupta A., Tanwar S., Hsiao K.-F.	3T-FASDM: Linear discriminant analysis-based three-tier face anti-spoofing detection model using support vector machine	2020	International Journal of Communication Systems	33	12			10.1002/dac.4441	10745351
83	Kumar V., Jha R.K., Jain S.	NB-IoT Security: A Survey	2020	Wireless Personal Communications	113	4	2661	2708	10.1007/s11277-020-	9296212
84	Saini K., Raj K.	Generalized zweier I-convergent sequence spaces of fuzzy numbers	2020	Journal of Computational Analysis and Applications	29	4	658	667		15211398
85	Ganie A.H., Singh S., Bhatia P.K.	Some new correlation coefficients of picture fuzzy sets with applications	2020	Neural Computing and Applications	32	16	12609	12625	10.1007/s00521-020-04715-y	9410643
86	Sharma R.K., Sarl A., Hekimoğlu G., Zahir M.H., Tyagi V.V.	Effects of Thermal Cycling Operation on Solar Thermal Energy Storage, Morphology, Chemical/Crystalline Structure, and Thermal Degradation Properties of Some Fatty Alcohols as Organic PCMs	2020	Energy and Fuels	34	7	9011	9019	10.1021/acs.energyfuels.0c01774	8870624

87	Gupta A., Shukla A., Yadav R., Mishra S., Rashid M., Kumar Gupta S.	Real-time hand gesture replication system using 3D modelling software	2020	2020 IEEE Students' Conference on Engineering and Systems, SCES 2020					10.1109/SCE S50439.2020 .9236756	
88	Koul A., Sharma M., Mehta M., Mallubhotla S., Bhushan I.	Reactive oxygen and nitrogen species: Key players in plant response to stress	2020	Plant Cell Biotechnology and Molecular Biology	21	15-16	34	43		9722025
89	Singh D., Jha K.R., Sharma S.K.	Low Cost Flexible Antenna for IoT Applications	2020	2020 IEEE International Symposium on Antennas and Propagation and North American Radio Science Meeting, IEEECONF 2020 - Proceedings			1929	1930	10.1109/IEE ECONF35879 .2020.93295 48	
90	Jibran Z.A.P., Jha K.R., Sharma S.K.	Design of Dual Band Dual Polarized Active FSS	2020	2020 IEEE International Symposium on Antennas and Propagation and North American Radio Science Meeting, IEEECONF 2020 - Proceedings			835	836	10.1109/IEE ECONF35879 .2020.93295 29	
91	Kumar S., Sureka R., Vashishtha A.	The Journal of Heritage Tourism: a bibliometric overview since its inception	2020	Journal of Heritage Tourism	15	4	365	380	10.1080/174 3873X.2020. 1754423	1743873X
92	Sinha A.K., Anand A.	A holistic framework for lot sizing problem for fast-moving perishable products	2020	Scientia Iranica	27	4 E	2021	2039	10.24200/sci .2018.5599.1 363	10263098

93	Raju K.K., Eswaramoorthy M.	Reliability Evaluation of Grid Connected Roof Top Solar Photovoltaic Power Plant Using Markov Model Approach	2020	Applied Solar Energy (English translation of Geliotekhnika)	56	4	301	308	10.3103/S0003701X2004009X	0003701X
94	Ahmed S., Baba M.I., Bhat S.M., Manzoor I., Nafees N., Ko S.-B.	Design of reversible universal and multifunctional gate-based 1-bit full adder and full subtractor in quantum-dot cellular automata nanocomputing	2020	Journal of Nanophotonics	14	3			10.1117/1.JNP.14.036002	19342608
95	Bhat V.K., Singh P., Sharma S.	On weak (σ , δ)-rigid rings over Noetherian rings	2020	Acta Universitatis Sapientiae, Mathematica	12	1	5	13	10.2478/ausm-2020-0001	18446094
96	Sharma N., Kamni, Singh V.K., Kumar S., Lee Y., Rai P.K., Singh V.K.	Investigation of molecular and elemental changes in rice grains infected by false smut disease using FTIR, LIBS and WDXRF spectroscopic techniques	2020	Applied Physics B: Lasers and Optics	126	7			10.1007/s00340-020-07475-8	9462171
97	Singh S., Sharma S., Lalotra S.	Generalized Correlation Coefficients of Intuitionistic Fuzzy Sets with Application to MAGDM and Clustering Analysis	2020	International Journal of Fuzzy Systems	22	5	1582	1595	10.1007/s40815-020-00866-1	15622479
98	George M., Pandey A.K., Abd Rahim N., Tyagi V.V., Shahabuddin S., Saidur R.	A novel polyaniline (PANI)/ paraffin wax nano composite phase change material: Superior transition heat storage capacity, thermal conductivity and thermal reliability	2020	Solar Energy	204		448	458	10.1016/j.solener.2020.04.087	0038092X
99	Chouhan S.S., Singh U.P., Jain S.	Web Facilitated Anthracnose Disease Segmentation from the Leaf of Mango Tree Using Radial Basis Function (RBF) Neural Network	2020	Wireless Personal Communications	113	2	1279	1296	10.1007/s11277-020-07279-1	9296212
100	Chopra G., Jha R.K., Jain S.	Dispersed beamforming approach for secure communication in UDN	2020	Wireless Networks	26	5	3227	3244	10.1007/s11276-019-	10220038

101	Akber N., Paltasingh K.R.	Market arrival of apples under risk in Jammu & Kashmir, India: evidence from an ARDL application	2020	Journal of Agribusiness in Developing and Emerging Economies	10	2	177	189	10.1108/JAD-EE-03-2019-0033	20440839
102	Shravani, Sharma S.K.	Financial development and economic growth in selected asian economies: A dynamic panel ARDL test	2020	Contemporary Economics	14	2	201	218	10.5709/ce.1897-9254.400	20840845
103	Mohan S., Anand A., Arvind Singh R., Jayalakshmi S., Chen X., Konovalov S.	Friction and wear study of Fe-Cu-C-CaF ₂ self-lubricating composite at high speed and high temperature	2020	IOP Conference Series: Materials Science and Engineering	834	1			10.1088/1757-899X/834/1/012010	17578981
104	Shafi M., Jha R.K., Sabraj M.	A survey on security issues of 5G NR: Perspective of artificial dust and artificial rain	2020	Journal of Network and Computer Applications	160				10.1016/j.jnc.2020.102597	10848045
105	Gupta V.K., Khan S.S., Verma V., Rasool S.	Analysis of bacterial diversity associated with polyketide synthase (PKS) gene in brackish metagenome of TsoKar Lake of Ladakh, India	2020	Journal of Environmental Biology	41	4	755	760	10.22438/JEB/41/4/MRN-1331	2548704
106	Yadav A.K., Sahni B., Jena P.K., Kumar D., Bala K.	Trends, Differentials, and Social Determinants of Maternal Health Care Services Utilization in Rural India: An Analysis from Pooled Data	2020	Women's Health Reports	1	1	179	189	10.1089/whr.2019.0022	26884844
107	Koul A., Mallubhotla S.	Elicitation and enhancement of bacoside production using suspension cultures of Bacopa monnieri (L.) Wettst	2020	3 Biotech	10	6			10.1007/s13205-020-02242-0	2190572X
108	Shah R., Sharma V., Bhat A., Singh H., Sharma I., Verma S., Bhat G.R., Sharma B., Bakshi D., Kumar R., Dar N.A.	MassARRAY analysis of twelve cancer related SNPs in esophageal squamous cell carcinoma in J&K, India	2020	BMC Cancer	20	1			10.1186/s12885-020-06991-2	14712407

109	Singh V.K., Jaswal B.S., Sharma J., Rai P.K.	Analysis of stones formed in the human gall bladder and kidney using advanced spectroscopic techniques	2020	Biophysical Reviews	12	3	647	668	10.1007/s12 551-020- 00697-2	18672450
110	Sharma R., Khan R.A.	Carbonation Resistance of Self- Compacting Concrete Incorporating Copper Slag as Fine Aggregates	2020	Journal of Materials in Civil Engineering	32	6			10.1061/(AS CE)MT.1943- 5533.000320 0	8991561
111	Roy T., Wanchoo S.K., Pal K.	Novel sulfonated poly (ether ether ketone)/rGONR@TiO2 nanohybrid membrane for proton exchange membrane fuel cells	2020	Solid State Ionics	349				10.1016/j.ssi .2020.11529 6	1672738
112	Azam R., Kothari R., Singh H.M., Ahmad S., Ashokkumar V., Tyagi V.V.	Production of algal biomass for its biochemical profile using slaughterhouse wastewater for treatment under axenic conditions	2020	Bioresource Technology	306				10.1016/j.bi ortech.2020. 123116	9608524
113	Chakraborty S., Mir K.B., Seligson N.D., Nayak D., Kumar R., Goswami A.	Integration of EMT and cellular survival instincts in reprogramming of programmed cell death to anastasis	2020	Cancer and Metastasis Reviews	39	2	553	566	10.1007/s10 555-020- 09866-x	1677659
114	Singh J.P., Jain S., Arora S., Singh U.P.	Reconstruction of occluded ROI in multi-person gait based on numerical methods	2020	Multimedia Systems	26	3	249	266	10.1007/s00 530-019- 00641-9	9424962
115	Vashishtha A.	Cobweb price dynamics under the presence of agricultural futures market: theoretical analysis	2020	International Review of Economics	67	2	131	162	10.1007/s12 232-019- 00335-8	18651704
116	Singh H., Haq M.I.U., Raina A.	Dry Sliding Friction and Wear Behaviour of AA6082-TiB2 in Situ Composites	2020	Silicon	12	6	1469	1479	10.1007/s12 633-019- 00237-y	1876990X

117	Ahmad S., Kothari R., Pathania D., Tyagi V.V.	Optimization of nutrients from wastewater using RSM for augmentation of <i>Chlorella pyrenoidosa</i> with enhanced lipid productivity, FAME content, and its quality assessment using fuel quality index	2020	Biomass Conversion and Biorefinery	10	2	495	512	10.1007/s13399-019-00443-z	21906815
118	Pratap S.	Edge states in zigzag graphene nanoribbons in a finite potential well	2020	AIP Conference Proceedings	2220				10.1063/5.0001109	0094243X
119	Rajput P., Sharma P., Gupta A., Sharma S., Biswas P., Kamni	Synthesis, structural and spectral studies of MgZnO:Mn ²⁺ +nanoparticles	2020	AIP Conference Proceedings	2220				10.1063/5.0001414	0094243X
120	Kumar S., Prakash R.	XPS and photoluminescence studies of Tb ³⁺ doped α -Al ₂ O ₃ phosphor	2020	AIP Conference Proceedings	2220				10.1063/5.0001434	0094243X
121	Kumar S., Khajuria P., Mahajan R., Sharma V.D., Lee Y., Prakash R.	Synthesis and spectral properties of Sm ³⁺ doped MgAl ₂ O ₄ phosphor	2020	AIP Conference Proceedings	2220				10.1063/5.0001443	0094243X
122	Khajuria P., Mahajan R., Kumar S., Prakash R.	Synthesis and optical properties of magnesium zirconium oxide	2020	AIP Conference Proceedings	2220				10.1063/5.0001422	0094243X
123	Prakash R., Kumar S.	Optimization of deposition parameter of Cr doped Eu ₂ O ₃ thin films	2020	AIP Conference Proceedings	2220				10.1063/5.0001416	0094243X
124	Mughal A., Joseph A.	Blockchain for Cloud Storage Security: A Review	2020	Proceedings of the International Conference on Intelligent Computing and Control Systems, ICICCS 2020			1163	1169	10.1109/ICICCS48265.2020.9120930	

125	Farooq H., Kaushik B.	Review of Deep Learning Techniques for Improving the Performance of Machine Reading Comprehension Problem	2020	Proceedings of the International Conference on Intelligent Computing and Control Systems, ICICCS 2020			928	935	10.1109/ICICCS48265.2020.9121015	
126	Sharma S., Mitra S., Sharma S., Priestley K., Wanchoo S.K., Powali D., Ali L.	A report on broadband seismological experiment in the Jammu and Kashmir Himalaya (JAKSNET)	2020	Seismological Research Letters	91	3	1915	1926	10.1785/0220190389	8950695
127	Gupta V., Singh I., Rasool S., Verma V.	Next generation sequencing and microbiome's taxonomical characterization of frozen soil of north western Himalayas of Jammu and Kashmir, India	2020	Electronic Journal of Biotechnology	45		30	37	10.1016/j.ejbt.2020.03.003	7173458
128	Chopra K., Tyagi V.V., Pandey A.K., Sharma R.K., Sari A.	PCM integrated glass in glass tube solar collector for low and medium temperature applications: Thermodynamic & techno-economic approach	2020	Energy	198				10.1016/j.energy.2020.117238	3605442
129	Lalotra S., Singh S.	Knowledge measure of hesitant fuzzy set and its application in multi-attribute decision-making	2020	Computational and Applied Mathematics	39	2			10.1007/s40314-020-1095-y	22383603
130	Mahajan R., Prakash R.	Effect of Sm ³⁺ doping on optical properties of Mg ₂ P ₂ O ₇ and Mg ₃ P ₂ O ₈ phosphors	2020	Materials Chemistry and Physics	246				10.1016/j.matchemphys.2020.122826	2540584
131	Aziz R., Ul Haq M.I., Raina A.	Effect of surface texturing on friction behaviour of 3D printed polylactic acid (PLA)	2020	Polymer Testing	85				10.1016/j.polymertesting.2020.10643	1429418
132	Sari A., Ouikhalfan M., Chehouani H., Hekimoğlu G., Bicer A., Al-Ahmed A., Al-Sulaiman F.A., Tyagi V.V.	Form-Stabilized Polyethylene Glycol/Palygorskite Composite Phase Change Material: Thermal Energy Storage Properties, Cycling Stability, and Thermal Durability	2020	Polymer Engineering and Science	60	5	909	916	10.1002/pen.25346	323888

133	Sharma D., Bhushan R.K.	Correction to: Optimization of Parameters for Maximum Tensile Strength of Friction Stir Welded AA6082/Si3N4 and AA6082/SiC Composite Joints (Silicon, (2020), 12, 5, (1195-1209), 10.1007/s12633-019-00216-3)	2020	Silicon	12	5	1211		10.1007/s12633-020-00395-4	1876990X
134	Bhushan R.K., Sharma D.	Optimization of Parameters for Maximum Tensile Strength of Friction Stir Welded AA6082/Si3N4 and AA6082/SiC Composite Joints	2020	Silicon	12	5	1195	1209	10.1007/s12633-019-00216-3	1876990X
135	Angural A., Spolia A., Mahajan A., Verma V., Sharma A., Kumar P., Dhar M.K., Pandita K.K., Rai E., Sharma S.	Review: Understanding Rare Genetic Diseases in Low Resource Regions Like Jammu and Kashmir – India	2020	Frontiers in Genetics	11				10.3389/fgen.2020.00415	16648021
136	Kumar R., Som B.K.	A multi-server queue with reverse balking and impatient customers	2020	Pakistan Journal of Statistics	36	2	91	101		10129367
137	Reddy P.N., Jindal B.B., Kavyateja B.V., Narender Reddy A.	Strength enhancement of concrete incorporating alccofine and SNF based admixture	2020	Advances in Concrete Construction	9	4	345	354	10.12989/ac.c.2020.9.4.345	22875301
138	Nagpal A., Verma S., Shah R., Bhat G.R., Bhat A., Bakshi D., Sharma B., Kaul S., Kumar R.	Genetic polymorphism of hOGG1 ser326cys and its association with breast cancer in Jammu and Kashmir	2020	Indian Journal of Cancer	57	2	187	189	10.4103/ijc.IJC-676-18	0019509X
139	Tyagi A., Kumar K., Kamaldeep, Tyagi N., Rana V.	Distribution network reconfiguration under uncertainties in load and renewable generation forecast	2020	International Journal of Scientific and Technology Research	9	4	423	427		22778616
140	Thappa S., Chauhan A., Sawhney A., Anand Y., Anand S.	Thermal selective coatings and its enhancement characteristics for efficient power generation through parabolic trough collector (PTC)	2020	Clean Technologies and Environmental Policy	22	3	557	577	10.1007/s10098-020-01820-3	1618954X

141	Kour P., Kumar A.	Cinchonine-driven multi-component domino Knoevenagel–Michael strategy: metal-free synthesis of quinoline-based 4H-pyran and tetrahydro-4H-chromene derivatives	2020	Research on Chemical Intermediates	46	4	2025	2034	10.1007/s11164-020-04097-9	9226168
142	Lalrohli F., Sharma V., Sharma I., Singh H., Kour G., Sharma S., Yuman, Zohmingthanga J., Vanlalhruii, Rai E., Singh V., Kumar N.S., Sharma S.	MACF1 gene variant rs2296172 is associated with T2D susceptibility in Mizo population from Northeast India	2020	International Journal of Diabetes in Developing Countries	40	2	223	226	10.1007/s13410-019-00788-1	9733930
143	Singh S., Ganie A.H.	On some correlation coefficients in Pythagorean fuzzy environment with applications	2020	International Journal of Intelligent Systems	35	4	682	717	10.1002/int.22222	8848173
144	Maqbool U., Tyagi A., Tyagi V.V., Kothari R.	Optimization of the renewable-energy-based micro-grid for rural electrification in northern region of India	2020	Clean Technologies and Environmental Policy	22	3	579	590	10.1007/s10098-019-01801-1	1618954X
145	Das A.K., Raina S.S.	On relative β -normality	2020	Acta Mathematica Hungarica	160	2	468	477	10.1007/s10474-019-	2365294
146	Chouhan S.S., Singh U.P., Jain S.	Applications of Computer Vision in Plant Pathology: A Survey	2020	Archives of Computational Methods in Engineering	27	2	611	632	10.1007/s11831-019-09324-0	11343060
147	Yadav A.K., Jena P.K.	Maternal health outcomes of socially marginalized groups in India	2020	International Journal of Health Care Quality Assurance	33	2	172	188	10.1108/IJHC-QA-08-2018-0212	9526862
148	Kumar R., Sharma S., Soodan B.S., Vijaya Laxmi P., Som B.K.	Transient solution of a heterogeneous queuing system with balking and catastrophes	2020	Reliability: Theory and Applications	15	1	42	50	10.24411/1932-2321-2020-11004	19322321

149	Rashid M., Rashid A., Gupta S.K.	Novel congestion control model for maintaining quality of service in MANET	2020	IoT and Cloud Computing Advancements in Vehicular Ad-Hoc Networks			106	119	10.4018/978-1-7998-2570-8.ch005	
150	Bhushan R.K., Sharma D.	Fabrication and analysis of AA6082/Si3N4 and AA6082/SiC composites	2020	International Journal of Structural Integrity	11	2	277	285	10.1108/IJSI-06-2019-0058	17579864
151	Sari A., Hekimoğlu G., Tyagi V.V.	Low cost and eco-friendly wood fiber-based composite phase change material: Development, characterization and lab-scale thermoregulation performance for thermal energy storage	2020	Energy	195				10.1016/j.energy.2020.116983	3605442
152	Ansu A.K., Sharma R.K., Tyagi V.V., Sari A., Ganesan P., Tripathi D.	A cycling study for reliability, chemical stability and thermal durability of polyethylene glycols of molecular weight 2000 and 10000 as organic latent heat thermal energy storage materials	2020	International Journal of Energy Research	44	3	2183	2195	10.1002/er.5079	0363907X
153	Dar U.A., Islam N., Shah S.A., Salunke-Gawali S., Andrabi S.M.A., Khujaria Y.	Quantum chemical approach towards the secondary amino derivatives of C(3) substituted 1,4-naphthoquinone: Combined molecular and dft calculations	2020	Journal of Molecular Structure	1203				10.1016/j.molstruc.2019.127306	222860
154	Sharma R., Kaushik B., Gondhi N.	Character Recognition using Machine Learning and Deep Learning - A Survey	2020	2020 International Conference on Emerging Smart Computing and Informatics, ESCI 2020			341	345	10.1109/ESC148226.2020.9167649	

155	Sharma S., Kaushik B.	A Comprehensive Review of Nature-inspired Algorithms for Internet of Vehicles	2020	2020 International Conference on Emerging Smart Computing and Informatics, ESCI 2020			336	340	10.1109/ESC I48226.2020.9167513	
156	Riyaz S., Kakkar V.	Quantum-dot Cellular Automata: An Efficient and Adroit Alternate to CMOS Technology	2020	2020 International Conference on Emerging Smart Computing and Informatics, ESCI 2020			282	288	10.1109/ESC I48226.2020.9167618	
157	Khan Y.F., Kaushik B.	Computer Vision Technique for Neuro-image Analysis in Neurodegenerative Diseases:A survey	2020	2020 International Conference on Emerging Smart Computing and Informatics, ESCI 2020			346	350	10.1109/ESC I48226.2020.9167520	
158	Raj K., Choudhary A.	Orlicz arithmetic convergence defined by matrix transformation and lacunary sequence	2020	Songklanakarin Journal of Science and Technology	42	2	263	273	10.14456/sjs t-psu.2020.34	1253395
159	Koul A., Koul A.	Semantic segmentation and contextual information based image scene interpretation: A review	2020	Proceedings - 3rd International Conference on Information and Computer Technologies, ICICT 2020			148	153	10.1109/ICIC T50521.2020.00031	

160	Kour H., Gondhi N.K.	Machine Learning approaches for Nastaliq style Urdu handwritten recognition: A survey	2020	2020 6th International Conference on Advanced Computing and Communication Systems, ICACCS 2020			50	54	10.1109/ICA CCS48705.20 20.9074294	
161	Singh S., Lalotra S., Ganie A.H.	On Some Knowledge Measures of Intuitionistic Fuzzy Sets of Type Two with Application to MCDM	2020	Cybernetics and Information Technologies	20	1	3	20	10.2478/cait- 2020-0001	13119702
162	Ahmad M.S., Pandey A.K., Abd Rahim N., Tyagi V.V.	Pt-TCO free sn-ag-cu ternary alloy as cost effective counter electrode layer for dye sensitized solar cell	2020	Optik	206				10.1016/j.ijle o.2020.1643 17	304026
163	Mahajan R., Prakash R.	Synthesis and effect of Dy3+ doping on vibrational and luminescent properties of Mg2Zn(PO4)2	2020	Journal of Materials Science: Materials in Electronics	31	5	3861	3868	10.1007/s10 854-020- 02931-9	9574522
164	Lalrohli F., Sharma V., Sharma I., Rai E., Zohmingthanga J., Hruaii V., Sharma S., Senthil Kumar N.	Genotyping of T2D susceptible genes in a high risk North-East Indian population	2020	Obesity Medicine	17				10.1016/j.ob med.2019.10 0162	24518476
165	Singh G., Tyagi V.V., Singh P.J., Pandey A.K.	Estimation of thermodynamic characteristics for comprehensive dairy food processing plant: An energetic and exergetic approach	2020	Energy	194				10.1016/j.en ergy.2019.11 6799	3605442
166	Slathia P.S., Raina N., Kiran A., Kour R., Bhagat D., Sharma P.	Dilute acid pretreatment of pine needles of Pinus roxburghii by response surface methodology for bioethanol production by separate hydrolysis and fermentation	2020	Biomass Conversion and Biorefinery	10	1	95	106	10.1007/s13 399-019- 00433-1	21906815

167	Sarı A., Saleh T.A., Hekimoğlu G., Tuzen M., Tyagi V.V.	Evaluation of carbonized waste tire for development of novel shape stabilized composite phase change material for thermal energy storage	2020	Waste Management	103		352	360	10.1016/j.wa sman.2019.1 2.051	0956053X
168	Mishra M., Ghosh S.K., Nama L., Bhattacharyya S.	Asymmetric transmission and cross polarization conversion of linearly polarized wave through metasurface	2020	2020 URSI Regional Conference on Radio Science, URSI- RCRS 2020 - Proceedings					10.23919/UR SIRCRS49211 .2020.91135 56	
169	Javid T., Gupta M.K.	Privacy Preserving Classification using 4-Dimensional Rotation Transformation	2020	Proceedings of the 2019 8th International Conference on System Modeling and Advancement in Research Trends, SMART 2019			279	284	10.1109/SM ART46866.20 19.9117391	
170	Jamwal S., Gupta S., Zibrán Z.A.P., Jha K.R., Singh C.	An Optically Transparent Antenna for IoT Applications	2020	International Conference on Electrical and Electronics Engineering, ICE3 2020			696	698	10.1109/ICE 348803.2020 .9122979	
171	Fayaz H., Ahmad M.S., Pandey A.K., Rahim N.A., Tyagi V.V.	A Novel nanodiamond/Zinc nanocomposite as potential counter electrode for flexible dye sensitized solar cell	2020	Solar Energy	197		1	5	10.1016/j.sol ener.2019.1 2.072	0038092X
172	Verma O.N., Jha P.A., Singh P., Jha P.K., Singh P.	Influence of iso-valent 'Sm' double substitution on the ionic conductivity of La _{0.9} Sr _{0.1} Al _{0.9} Mg _{0.1} O _{3-δ} ceramic system	2020	Materials Chemistry and Physics	241				10.1016/j.m atchemphys. 2019.122345	2540584

173	Gupta A., Jha R.K.	Power optimization with low complexity using scaled beamforming approach for a massive MIMO and small cell scenario	2020	Wireless Networks	26	2	1165	1176	10.1007/s11276-018-1856-3	10220038
174	Jamwal G., Sharma S., Awasthi R.K.	The dynamic performance analysis of chevron shape textured hydrodynamic bearings	2020	Industrial Lubrication and Tribology	72	1	1	8	10.1108/ILT-05-2019-0172	368792
175	Tyagi V.V., Pathak A., Anand S., Kothari R., Pandey A., Rahman S.	Thermal performance study of the single slope evacuated tube integrated desalination system	2020	International Journal of Advanced Science and Technology	29	1	213	228		20054238
176	Singh K., Kumar A., Gupta M.K.	Modified k-string in composition vector method for DNA sequence comparison based on maximum entropy principle	2020	Journal of Interdisciplinary Mathematics	23	1	31	41	10.1080/09720502.2020.1721649	9720502
177	Afzal Z., Kumar M.	Security of Vehicular Ad-Hoc Networks (VANET): A survey	2020	Journal of Physics: Conference Series	1427	1			10.1088/1742-6596/1427/1/012015	17426588
178	Singh V.K., Kumar V., Prakash R., Sharma J., Kumar A., Singh P.	Recent Developments and Applications of Novel Analytical Techniques for the Analysis of Plant Materials	2020	Encyclopedia of Plant Science Volume: (12 Volume Set)			15	34		
179	Agrawal T.	Hyperparameter Optimization in Machine Learning: Make Your Machine Learning and Deep Learning Models More Efficient	2020	Hyperparameter Optimization in Machine Learning: Make Your Machine Learning and Deep Learning Models More Efficient			1	166	10.1007/978-1-4842-6579-6	
180	Slathia P.S., Sharma P.	In Silico Designing of Vaccines: Methods, Tools, and Their Limitations	2020	Computer-Aided Drug Design			245	277	10.1007/978-981-15-6815-2_11	

181	Sharma J., Sharma S., Sharma I., Chopra C., Sharma V.	The Coming Together of Sciences: Metagenomics for Microbial Biochemistry	2020	Metagenomics: Techniques, Applications, Challenges and Opportunities			23	33	10.1007/978- 981-15-6529- 8_2	
182	Singh H., Sharma I., Sharma V.	Epidemiological Perspectives of Human Health Through Metagenomic Research	2020	Metagenomics: Techniques, Applications, Challenges and Opportunities			147	156	10.1007/978- 981-15-6529- 8_9	
183	Sharma J., Sharma V., Sharma I.	The Skin Metagenomes: Insights into Involvement of Microbes in Diseases	2020	Metagenomics: Techniques, Applications, Challenges and Opportunities			189	198	10.1007/978- 981-15-6529- 8_12	
184	Kour P., Kumar A.	Microwave-assisted heterocyclics	2020	Green Sustainable Process for Chemical and Environmental Engineering and Science: Microwaves in Organic Synthesis			359	413	10.1016/B97 8-0-12- 819848- 3.00009-8	
185	Ganai A.R., Singh B.	Study of Microstructure, Hardness and Dimensional Accuracy in Al-6061 Centrifugally Cast Pipe	2020	Lecture Notes on Multidisciplinary Industrial Engineering	Part F255		51	60	10.1007/978- 981-15-4619- 8_4	25225022
186	Verma S.K., Anand Y., Anand S.	A Study on Challenges in Inter- software Data Exchange for a Better Building Design	2020	International Conference on Efficient Building Design: Material and HVAC Equipment Technologies	2020- Novembe r		103	109		25725688

187	Sharma R., Kumar A.	Sonochemical protocol for catalyst-free organic synthesis	2020	Green Sustainable Process for Chemical and Environmental Engineering and Science: Sonochemical Organic Synthesis			43	70	10.1016/B978-0-12-819540-6.00002-4	
188	Naz S.F., Ahmed S., Sharma S., Ahmad F., Ajitha D.	Fredkin gate based energy efficient reversible D flip flop design in quantum dot cellular automata	2020	Materials Today: Proceedings	46		5248	5255	10.1016/j.matpr.2020.08.634	22147853
189	Rashid M., Singh H., Goyal V., Parah S.A., Wani A.R.	Big data based hybrid machine learning model for improving performance of medical Internet of Things data in healthcare systems	2020	Healthcare Paradigms in the Internet of Things Ecosystem			47	62	10.1016/B978-0-12-819664-9.00003-X	
190	Rajput P., Vashishtha P., Gupta G., Kamni	A comparative study on structural and optical properties of ZnO nanoparticles prepared by three different synthesis methods	2020	Materials Today: Proceedings	43		3856	3861	10.1016/j.matpr.2020.12.1177	22147853
191	Kajal, Sharma V.K.	FinFET: A Beginning of Non-planar Transistor Era	2020	Energy Systems in Electrical Engineering	Part F2130		139	159	10.1007/978-981-15-7937-0_8	21998582
192	Singh H., Singh K., Vardhan S., Mohan S.	Study on the wear performance of AA 6061 and AA 6082 based metal matrix composites	2020	Materials Today: Proceedings	43		660	664	10.1016/j.matpr.2020.12.585	22147853
193	Singh K., Singh H., Vardhan S., Mohan S.	Mechanical study of Al 7050 and Al 7075 based metal matrix composites: A review	2020	Materials Today: Proceedings	43		673	677	10.1016/j.matpr.2020.12.601	22147853
194	Kuaban G.S., Kumar R., Soodan B.S., Czekalski P.	A multi-server queueing model with balking and correlated reneging with application in health care management	2020	IEEE Access	8		169623	169639	10.1109/ACCESS.2020.3024259	21693536

195	Mehta P.	Authenticity and employee wellbeing with reference to emotional work: a review	2020	Mental Health and Social Inclusion	25	2	146	158	10.1108/MH-SI-11-2020-0077	20428308
196	Tripathi N., Parthasarathi N.L., Eswaramoorthy M., Borah U.	Tribological properties of carbon reinforced and silica reinforced FKM against AISI 304 L	2020	Materials Today: Proceedings	39		408	413	10.1016/j.matpr.2020.07.647	22147853
197	Bhushan I., Singh V.K., Tripathi D.K.	Preface	2020	Nanotechnology in the Life Sciences			v	vi		25238027
198	Anand R., Haq M.I.U., Raina A.	Bio-Based Nano-Lubricants for Sustainable Manufacturing	2020	Nanotechnology in the Life Sciences			333	380	10.1007/978-3-030-34544-0_18	25238027
199	Gupta S., Verma V., Kakkar V.	Biomolecular and Cellular Manipulation and Detection (Nanofluidics and Micro- and Nanotechnologies in Integrative Biology)	2020	Nanotechnology in the Life Sciences			315	332	10.1007/978-3-030-34544-0_17	25238027
200	Sharma D., Bindra S., Taggar R., Dhir S., Khoa T.T.	Mapping responsive retailing to identify future research trajectories	2020	Journal for Global Business Advancement	13	5	584	604	10.1504/JGBA.2020.112823	1746966X
201	Bharti S., Thakur L., Anand S., Dutta V.	Nano-based Composites and Their Synthesis	2020	Nanotechnology in the Life Sciences			141	161	10.1007/978-3-030-34544-0_9	25238027
202	Gupta S., Kakkar V.	Development of Environmental Biosensors for Detection, Monitoring, and Assessment	2020	Nanotechnology in the Life Sciences			107	125	10.1007/978-3-030-34544-0_7	25238027
203	Subhadarsini E., Sharma A.K.	Upper and Lower Bounds for Essential Norm of Weighted Composition Operators from Bergman Spaces with Békollé Weights	2020	Journal of Function Spaces	2020				10.1155/2020/2696713	23148896
204	Gurav O.B., Ghodpage R.N., Patil P.T., Samireddipalle S., Sharma A.K., Taori A.K., Shetti D.J.	Occurrence climatology of equatorial plasma bubbles (Epbs) using optical observations over kolhapur, india during solar cycle-24	2020	Annals of Geophysics	63	6	1	20	10.4401/ag-8068	15935213

205	Sharma B., Kumar A.	Learning from 'the Outsider Within': The Sociological Significance of Dalit Women's Life Narratives	2020	Journal of International Women's Studies	21	6	22	34		15398706
206	Mehta P.	Fake it or make it: employee well-being in emotional work settings	2020	Benchmarking	28	6	1909	1933	10.1108/BIJ-07-2020-	14635771
207	Khan S.S., Verma V., Rasool S.	Diversity and the role of endophytic bacteria: a review	2020	Botanica Serbica	44	2	103	120	10.2298/BOTSERB200210	18212158
208	Malik M.A., Sharma V.K.	Design of low power DFF with ONOFIC approach	2020	Journal of Electrical and Electronics Engineering	13	2	67	72		18446035
209	Raina N., Sharma P., Slatia P.S., Bhagat D., Pathak A.K.	Efficiency Enhancement of Renewable Energy Systems Using Nanotechnology	2020	Nanotechnology in the Life Sciences			271	297	10.1007/978-3-030-34544-0_15	25238027
210	Jindal B.B., Jangra P., Garg A.	Effects of ultra fine slag as mineral admixture on the compressive strength, water absorption and permeability of rice husk ash based geopolymer concrete	2020	Materials Today: Proceedings	32		871	877	10.1016/j.matpr.2020.04.219	22147853
211	Singh C., Jha K.R., Sharma S.K., Jibrán Z.A.P., Singh G.	Design of a wideband square slot bandpass frequency-selective surface using phase range analysis	2020	Engineering Reports	2	1			10.1002/eng.2.12085	25778196
212	Yadav S., Gupta M., Bist A.S.	Prediction of ubiquitination sites using UbiNets	2020	Advances in Fuzzy Systems	2018				10.1155/2018/5125103	16877101
213	Almourfi F.M., Singh I., Shoket H., Yadav A.K., Kandpal M.	Study of the dynamics of Ceritinib in complex with common variants of anaplastic lymphoma kinase	2020	Molecular Simulation	46	18	1467	1473	10.1080/08927022.2020.1841186	8927022
214	Sharma D., Taggar R., Bindra S., Dhir S.	Retailer responsiveness: A total interpretive structural modelling approach	2020	Journal for Global Business Advancement	13	3	336	358	10.1504/JGBA.2020.111014	1746966X
215	Bindra S., Srivastava S., Sharma D., Ongsakul V.	Reviewing knowledge-based dynamic capabilities: Perspectives through meta-analysis	2020	Journal for Global Business Advancement	13	3	273	295	10.1504/JGBA.2020.111012	1746966X

216	Gupta A., Sundhan S., Gupta S.K., Alsamhi S.H., Rashid M.	Collaboration of UAV and HetNet for better QoS: A comparative study	2020	International Journal of Vehicle Information and Communication Systems	5	3	309	333	10.1504/ijvics.2020.110995	14710242
217	Anand P., Tripathi N.	A procedural excursion of micro needles for drug delivery systems	2020	Micro and Nanosystems	12	3	232	239	10.2174/18764029116661909111432	18764029
218	Mehta P., Sharma J.	Exploring the linkage between emotional work and employee wellbeing: A study of civil aviation industry in North India	2020	International Journal of Work Organisation and Emotion	11	1	21	40	10.1504/IJW OE.2020.109417	17408938
219	Singh U.P., Chouhan S.S., Jain S.	Images as graphical password: verification and analysis using non-regular low-density parity check coding	2020	International Journal of Information Technology (Singapore)					10.1007/s41870-020-00477-x	25112104
220	Thappa S., Chauhan A., Anand Y., Anand S.	Analytical comparison of two distinct receiver tubes of a parabolic trough solar collector system for thermal application	2020	Materials Today: Proceedings	28		2212	2217	10.1016/j.matpr.2020.04.257	22147853
221	Verma S.K., Anand Y., Anand S.	Analysis for determining the impact of air quality and thermal comfort in an enclosed cavity	2020	Materials Today: Proceedings	28		2205	2211	10.1016/j.matpr.2020.04.254	22147853
222	Dar A.B., Ahmed F.	Financial inclusion determinants and impediments in India: insights from the global financial inclusion index	2020	Journal of Financial Economic Policy	13	3	391	408	10.1108/JFE P-11-2019-0227	17576385
223	Bhardwaj A., Sharma G., Gupta S.	Nanotechnology Applications and Synthesis of Graphene as Nanomaterial for Nanoelectronics	2020	Nanotechnology in the Life Sciences			251	269	10.1007/978-3-030-34544-0_14	25238027
224	Singh S., Lalotra S.	On a weighted fuzzy knowledge measure with its application to multi-attribute decision-making	2020	Songklanakarin Journal of Science and Technology	42	6	1377	1388		1253395

225	Sharma N., Khajuria Y., Singh V.K., Kumar S., Lee Y., Rai P.K., Singh V.K.	Study of molecular and elemental changes in nematode-infested roots in papaya plant using FTIR, LIBS and WDXRF spectroscopy	2020	Atomic Spectroscopy	41	3	110	118	10.46770/AS.2020.03.003	1955373
226	Dar A.B., Ahmad F., Jha R.K.	Filterless 16-tupled optical Millimeter-wave generation using cascaded parallel Mach-Zehnder modulators with extinction ratio tolerance	2020	Progress in Electromagnetics Research Letters	91		129	135	10.2528/PIE-RL20031009	19376480
227	Kour V.P., Arora S.	Recent Developments of the Internet of Things in Agriculture: A Survey	2020	IEEE Access	8		129924	129957	10.1109/ACCESS.2020.3009298	21693536
228	Rashid M., Parah S.A., Wani A.R., Gupta S.K.	Securing E-Health IoT data on cloud systems using novel extended role based access control model	2020	Internet of Things (IoT): Concepts and Applications			473	489	10.1007/978-3-030-37468-6_25	
229	Sinha A.K., Anand A.	A Graph-Theoretic Approach for Sustainable New Product Development (SNPD) in Supply Chain Environment	2020	Advances in Intelligent Systems and Computing	1154		671	675	10.1007/978-981-15-4032-5_61	21945357
230	Gupta A.	Challenges for computer aided diagnostics using X-ray and tomographic reconstruction images in craniofacial applications	2020	International Journal of Computational Vision and Robotics	10	4	361	371	10.1504/IJCV R.2020.108153	17529131
231	Singh P., Bhat V.K.	Zero-divisor graphs of finite commutative rings: A survey	2020	Surveys in Mathematics and its Applications	15		371	397		18437265
232	Kuaban G.S., Soodan B.S., Kumar R., Czekalski P.	Performance evaluations of a cloud computing physical machine with task reneging and task resubmission (feedback)	2020	Communications in Computer and Information Science	1231 CCIS		185	198	10.1007/978-3-030-50719-0_14	18650929
233	Kumar S., Sunanda, Arora S.	A Statistical Analysis on KDD Cup'99 Dataset for the Network Intrusion Detection System	2020	Lecture Notes in Networks and Systems	125		131	157	10.1007/978-981-15-3852-0_9	23673370

234	Priya P., Kumar A.	Exclusion and articulation: Transgender counter-public in the Indian public sphere	2020	Space and Culture, India	7	4	32	44	10.20896/SA Cl.V7I4.556	20528396
235	Magotra S., Kaushik B., Kaul A.	A Database for Printed Takri Class of North-West Indian Regional Scripts	2020	Communications in Computer and Information Science	1206 CCIS		508	520	10.1007/978-981-15-4451-4_40	18650929
236	Gupta P., Kaushik B., Sunanda	Suicidal Tendency on Social Media by Using Text Mining	2020	Communications in Computer and Information Science	1206 CCIS		256	263	10.1007/978-981-15-4451-4_20	18650929
237	Yasin M., Gondhi N.K.	Line and Ligature Segmentation for Nastaliq Script	2020	Lecture Notes on Data Engineering and Communications Technologies	35		771	779	10.1007/978-3-030-32150-5_78	23674512
238	Kour N., Gondhi N.	Content Based Image Retrieval Using Machine Learning Based Algorithm	2020	Lecture Notes on Data Engineering and Communications Technologies	35		1088	1095	10.1007/978-3-030-32150-5_110	23674512
239	Kour H., Jha R.K.	EM Radiation Reduction in WCN: Towards Safe Generations	2020	2020 International Conference on COMMunication Systems and NETworkS, COMSNETS 2020			559	562	10.1109/CO MSNETS482 56.2020.902 7492	
240	Khursheed S., Sheergojri G.A., Sharma J.	Phosphor polymer nanocomposite: SrAl ₂ O ₄ :Eu ²⁺ , Dy ³⁺ embedded PMMA for solid-state applications	2020	Materials Today: Proceedings	21		2096	2104	10.1016/j.matpr.2020.01.329	22147853
241	Rakwal K., Dwivedi A.V.	Deep ecological philosophy in Anuradha Roy's the folded earth	2020	International Journal of Advanced Science and Technology	29	3	4162	4173		20054238

242	Gupta V., Singh B., Mishra R.K.	Machining of titanium and titanium alloys by electric discharge machining process: A review	2020	International Journal of Machining and Machinability of Materials	22	2	99	121	10.1504/IJM-MM.2020.105661	17485711
243	Gupta C., Gondhi N.K., Lehana P.K.	Gray Level Co-Occurrence Matrix (GLCM) parameters analysis for pyoderma image variants	2020	Journal of Computational and Theoretical Nanoscience	17	1	353	358	10.1166/jctn.2020.8674	15461955
244	Yasin M., Gondhi N.K.	A comparative analysis on nastaliq style Urdu character recognition	2020	Journal of Computational and Theoretical Nanoscience	17	1	284	289	10.1166/jctn.2020.8663	15461955
245	Mayank, Gondhi N.K.	Comparative assessment of image captioning models	2020	Journal of Computational and Theoretical Nanoscience	17	1	473	478	10.1166/jctn.2020.8693	15461955
246	Mohan S., Anand A., Haq M.I.U., Raina A., Kumar R.	Calcium Fluoride a Potential Solid Lubricant for Green Tribology and Sustainability	2020	Lecture Notes in Mechanical Engineering			587	595	10.1007/978-981-15-1071-7_48	21954356
247	Slathia S., Anand R., Irfan Ul Haq M., Raina A., Mohan S., Kumar R., Anand A.	Friction and Wear Behaviour of AA2024/ZrO2 Composites: Effect of Graphite	2020	Lecture Notes in Mechanical Engineering			597	601	10.1007/978-981-15-1071-7_49	21954356
248	Mahajan S., Pandit A.K.	Analysis of different parameter of fso communication system by using robust model design	2020	Lecture Notes in Networks and Systems	109		171	178	10.1007/978-981-15-2774-6_21	23673370
249	Thakur R.A.J., Malhotra I.	Terrorism as a media specific event: Performative frames of uri and pulwama reportage in indian news media	2020	Media Watch	11	1	83	96	10.15655/mw/2020/v1i1/49763	9760911
250	Ahmad S., Kothari R., Shankarayan R., Tyagi V.V.	Temperature dependent morphological changes on algal growth and cell surface with dairy industry wastewater: an experimental investigation	2020	3 Biotech	10	1			10.1007/s13205-019-2008-x	2190572X

251	Wani I.M., Arora S.	Deep neural networks for diagnosis of osteoporosis: A review	2020	Lecture Notes in Electrical Engineering	597		65	78	10.1007/978-3-030-29407-6_6	18761100
252	Sachdev K., Gupta M.K.	Predicting drug target interactions using dimensionality reduction with ensemble learning	2020	Lecture Notes in Electrical Engineering	597		79	89	10.1007/978-3-030-29407-6_7	18761100
253	Chadha A., Kaushik B.	Suicidal ideation from the perspective of social and opinion mining	2020	Lecture Notes in Electrical Engineering	597		659	670	10.1007/978-3-030-29407-6_47	18761100
254	Sinha A.K., Anand A.	Optimizing supply chain network for perishable products using improved bacteria foraging algorithm	2020	Applied Soft Computing Journal	86				10.1016/j.asoc.2019.105921	15684946
255	Kumar K., Kumar R., Pandit A.K.	Quality of service based multimedia data transmission in multi-constraint environment	2020	Advances in Intelligent Systems and Computing	1030		311	318	10.1007/978-981-13-9330-3_32	21945357
256	Ahmad Dar A., Sangwan P.L., Kumar A.	Chromatography: An important tool for drug discovery	2020	Journal of Separation Science	43	1	105	119	10.1002/jssc.201900656	16159306
257	Rather T.A., Ahmed S., Kakkar V.	Modelling and Simulation of a Reversible Quantum Logic based 4 × 4 Multiplier Design for Nanotechnology Applications	2020	International Journal of Theoretical Physics	59	1	57	67	10.1007/s10773-019-04285-3	207748
258	Verma S., Bakshi D., Sharma V., Sharma I., Shah R., Bhat A., Bhat G.R., Sharma B., Wakhloo A., Kaul S., Heer V., Bhat A., Abrol D., Verma V., Kumar R.	Genetic variants of DNAH11 and LRFN2 genes and their association with ovarian and breast cancer	2020	International Journal of Gynecology and Obstetrics	148	1	118	122	10.1002/ijgo.12997	207292
259	Chopra K., Pathak A.K., Tyagi V.V., Pandey A.K., Anand S., Sari A.	Thermal performance of phase change material integrated heat pipe evacuated tube solar collector system: An experimental assessment	2020	Energy Conversion and Management	203				10.1016/j.enconman.2019.112205	1968904

260	Singh V., Arya S.K., Kumar M.	A 5.7mW, UWB LNA for wireless applications using noise canceling technique in 90nm CMOS	2020	Frequenz	74	01-Feb	83	93	10.1515/freq-2019-0051	161136
261	Xu C., Yang X., Zhou H., Li Y., Xing C., Zhou T., Zhong D., Lian C., Yan M., Chen T., Liao Z., Gao B., Su D., Wang T., Sharma S., Mohan C., Ahituv N., Malik S., Li Q.-Z., Su P.	A novel ZRS variant causes preaxial polydactyly type I by increased sonic hedgehog expression in the developing limb bud	2020	Genetics in Medicine	22	1	189	198	10.1038/s41436-019-0626-7	10983600
262	Sundan A.P., Jha R.K., Gupta A.	Energy and spectral efficiency optimization using probabilistic based spectrum slicing (PBSS) in different zones of 5G wireless communication network	2020	Telecommunication Systems	73	1	59	73	10.1007/s11235-019-00598-0	10184864
263	Chopra K., Tyagi V.V., Pandey A.K.	Thermodynamic and techno-economic analysis of heat pipe ETC water heating system for Indian composite climate: An experimental approach	2020	Journal of Thermal Analysis and Calorimetry	139	2	1395	1407	10.1007/s10973-019-08487-z	13886150
264	Gupta A., Sundhan S., Alsamhi S.H., Gupta S.K.	Review for capacity and coverage improvement in aerially controlled heterogeneous network	2020	Lecture Notes in Electrical Engineering	546		365	376	10.1007/978-981-13-6159-3_39	18761100
265	Devi M., Sharma A.K., Raj K.	Weighted composition operators from dirichlet type spaces to some weighted-type spaces	2020	Journal of Computational Analysis and Applications	28	1	127	135		15211398
266	Choudhary A.N.U., Raj K.	Applications of double difference fractional order operators to originate some spaces of sequences	2020	Journal of Computational Analysis and Applications	28	1	94	103		15211398