

S.no.	Authors	Title	Year	Source title	Volume	Issue	Page start	Page end	DOI	ISSN
1	Jabeen Z., Lone M.A., Sharma S.	OPTIMAL INEQUALITIES FOR SUBMANIFOLDS OF RIEMANN MANIFOLDS OF NEARLY QUASI-CONSTANT CURVATURE WITH QUARTER-SYMMETRIC CONNECTION	2022	Bulletin of the Transilvania University of Brasov, Series III: Mathematics and Computer Science	2	2	109	124	10.31926/but.mif.2022.2.64.2.9	28102029
2	Kaushik K., Bhardwaj A., Kumar M., Gupta S.K., Gupta A.	A novel machine learning-based framework for detecting fake Instagram profiles	2022	Concurrency and Computation: Practice and Experience	34	28			10.1002/cpe.7349	15320626
3	Shafi M., Jha R.K.	Recent security issues and counter measures on IoHT	2022	Smart and Secure Internet of Healthcare Things			127	135		
4	Mir B.A., Liu S., Li Z., Wani S.A., Mir T.A., Khan Y.F., Wani S.I., Fukushima M., Yamaguchi T.	The rise of blockchain technology in healthcare for the preservation of patient-centric health records	2022	Blockchain for Industry 4.0: Blockchain for Industry 4.0: Emergence, Challenges, and Opportunities			1	21	10.1201/9781003282914-1	
5	Sharma A.K., Chani P.S.	Decisive design and building construction technologies vis-à-vis embodied water consumption assessment in conventional masonry houses: Case of Jammu, India	2022	Energy and Buildings	277				10.1016/j.enbuild.2022.112588	3787788
6	Goel V., Kumar N., Singh P., Pathak S.K.	The preparation and optimization of novel jasminum officinale biodiesel blends performance in CI engine: An experimental study	2022	Energy	261				10.1016/j.energy.2022.125263	3605442

7	Sharma K., Bhat V.K., Sharma S.K.	On Degree-Based Topological Indices of Carbon Nanocones †	2022	ACS Omega	7	49	45562	45573	10.1021/acsomega.2c06287	24701343
8	Pandya M., Ansu A.K., Sharma R.K., Pandey A.K., Tripathi D., Sari A., Tyagi V.V.	Development and Laboratory Scale Characterization of a New Hybrid Nano-enhanced Phase Change Material for Solar Thermal Energy Storage	2022	ChemistrySelect	7	45			10.1002/slct.202202709	23656549
9	Farooq S.A., Raina A., Haq M.I.U., Rajabi A., Mohan S., Anand A.	Tribo-corrosion behaviour of composites and coatings: An overview of influencing factors, evaluation methods and inhibitors	2022	Jurnal Tribologi	35		92	116		22897232
10	Khan Y.F., Kaushik B., Chowdhary C.L., Srivastava G.	Ensemble Model for Diagnostic Classification of Alzheimer's Disease Based on Brain Anatomical Magnetic Resonance Imaging	2022	Diagnostics	12	12			10.3390/diagnostics12123193	20754418
11	Ganie A.H., Singh S., Khalaf M.M., Al-Shamiri M.M.A.	On some measures of similarity and entropy for Pythagorean fuzzy sets with their applications	2022	Computational and Applied Mathematics	41	8			10.1007/s40314-022-02103-x	22383603
12	Panakkal E.J., Cheenachorn K., Chueter S., Tantayotai P., Raina N., Cheng Y.-S., Sriariyanun M.	Optimization of deep eutectic solvent pretreatment for bioethanol production from Napier grass	2022	Sustainable Energy Technologies and Assessments	54				10.1016/j.seta.2022.102856	22131388

13	Singh R., Tiwari P., Band S.S., Rehman A.U., Mahajan S., Ding Y., Liu X., Pandit A.K.	Impact of quarantine on fractional order dynamical model of Covid-19	2022	Computers in Biology and Medicine	151				10.1016/j.compbiomed.2022.106266	104825
14	Sharma V.K.	Single layer adder/subtractor using QCA nanotechnology for nanocomputing operations	2022	Engineering Research Express	4	4			10.1088/2631-8695/ac9957	26318695
15	Mahajan R., Prakash R.	A review report on structural and optical characterization of rare earth/transition metal doped pyrophosphate phosphors	2022	Journal of Materials Science: Materials in Electronics	33	34	25491	25517	10.1007/s10854-022-09279-2	9574522
16	Singh Y., Singh S.K., Hazra P.	Effect of synthesis routes for preparation of lead sulphide quantum dots based thin films by spin coating technique	2022	Optical and Quantum Electronics	54	12			10.1007/s11082-022-04243-0	3068919
17	Chadha A., Kaushik B.	A Hybrid Deep Learning Model Using Grid Search and Cross-Validation for Effective Classification and Prediction of Suicidal Ideation from Social Network Data	2022	New Generation Computing	40	4	889	914	10.1007/s00354-022-00191-1	2883635
18	Gupta U., Gupta V., Arun R.K., Chanda N.	Recent advances in enzymatic biosensors for point-of-care detection of biomolecules	2022	Biotechnology and Bioengineering	119	12	3393	3407	10.1002/bit.28251	63592

19	Verbič M., Satrovic E., Mujtaba A.	Assessing the Driving Factors of Carbon Dioxide and Total Greenhouse Gas Emissions to Maintain Environmental Sustainability in Southeastern Europe	2022	International Journal of Environmental Research	16	6			10.1007/s41742-022-00486-7	17356865
20	Kumar R R., Samykano M., Ngui W.K., Pandey A.K., B K., Kadirgama K., Tyagi V.V.	Investigation of thermal performance and chemical stability of graphene enhanced phase change material for thermal energy storage	2022	Physics and Chemistry of the Earth	128				10.1016/j.pce.2022.103250	14747065
21	Singh A., Zhou Y., Gupta V., Sharma R.	Sustainable use of different size fractions of municipal solid waste incinerator bottom ash and recycled fine aggregates in cement mortar	2022	Case Studies in Construction Materials	17				10.1016/j.cscm.2022.e01434	22145095
22	Jalal R., Gopinathan R.	Time-varying and asymmetric impact of exchange rate on oil prices in India: Evidence from a multiple threshold nonlinear ARDL model	2022	Finance Research Letters	50				10.1016/j.frl.2022.103297	15446123
23	Kumar R., Singh U.P., Bali A., Jain S.	Neuro-fuzzy Elman wavelet control for nonlinear uncertain systems with fuzzy input and unknown fuzzy disturbances: Application to robotics	2022	International Journal of Adaptive Control and Signal Processing	36	12	2988	3003	10.1002/acs.3493	8906327
24	Jena K.K., Nayak S.R., Bhoi S.K., Verma K.D., Prakash D., Gupta A.	A novel service robot assignment approach for COVID-19 infected patients: a case of medical data driven decision making	2022	Multimedia Tools and Applications	81	29	41995	42021	10.1007/s11042-022-13524-5	13807501

25	Singh R.V., Sharma P., Sambyal K.	Application of Sugarcane Bagasse in Chemicals and Food Packaging Industry: Potential and Challenges	2022	Circular Economy and Sustainability	2	4	1479	1500	10.1007/s43615-022-00167-9	2730597X
26	Sharma V.K., Malik M.A.	Performance Analysis of 6T SRAM and ONOFIC Cells	2022	Micro and Nanosystems	14	4	350	357	10.2174/1876402913666211202114736	18764029
27	Gupta A.	RegCal: registration-based calibration method to perform linear measurements on PA (posteroanterior) cephalogram- a pilot study	2022	Multimedia Tools and Applications	81	29	41869	41879	10.1007/s11042-021-11609-1	13807501
28	Jena P.K., Mujtaba A., Joshi D.P.P., Satrovic E., Adeleye B.N.	Exploring the nature of EKC hypothesis in Asia's top emitters: role of human capital, renewable and non-renewable energy consumption	2022	Environmental Science and Pollution Research	29	59	88557	88576	10.1007/s11356-022-21551-w	9441344
29	Farooq S.A., Raina A., Ul Haq M.I., Anand A.	Corrosion Behaviour of Engineering Materials: A Review of Mitigation Methodologies for Different Environments	2022	Journal of The Institution of Engineers (India): Series D	103	2	639	661	10.1007/s40033-022-00367-5	22502122
30	Sneha, Kaul A.	Hyperspectral imaging and target detection algorithms: a review	2022	Multimedia Tools and Applications	81	30	44141	44206	10.1007/s11042-022-13235-x	13807501

31	Kothari R., Pathak A.K., Sharma V., Ahmad S., Singh H.M., Singh R.P., Tyagi V.V.	Impact of Pollutant Load from Textile Dyeing Industry Wastewater on Biometric Growth Profile of <i>Vigna radiata</i>	2022	Bulletin of Environmental Contamination and Toxicology	109	6	969	976	10.1007/s00128-022-03491-w	74861
32	Mondal S., Shafi M., Gupta S., Gupta S.K.	Blockchain Based Secure Architecture for Electronic Healthcare Record Management	2022	GMSARN International Journal	16	4	413	426		19059094
33	Kalsotra R., Arora S.	Background subtraction for moving object detection: explorations of recent developments and challenges	2022	Visual Computer	38	12	4151	4178	10.1007/s00371-021-02286-0	1782789
34	Mohiuddine S.A., Raj K., Choudhary A.	Difference sequence spaces based on Lucas band matrix and modulus function	2022	Sao Paulo Journal of Mathematical Sciences	16	2	1249	1260	10.1007/s40863-020-00203-2	19826907
35	Singh P., Sharma R.K., Goyal R., Hekimoğlu G., Sarı A., Rathore P.K.S., Tyagi V.V.	Development and characterization a novel leakage-proof form stable composite of graphitic carbon nitride and fatty alcohol for thermal energy storage	2022	Journal of Energy Storage	55				10.1016/j.est.2022.105761	2352152X
36	Kumar R R., Pandey A.K., Samykano M., Mishra Y.N., Mohan R.V., Sharma K., Tyagi V.V.	Effect of surfactant on functionalized multi-walled carbon nano tubes enhanced salt hydrate phase change material	2022	Journal of Energy Storage	55				10.1016/j.est.2022.105654	2352152X

37	Mahajan A., Majumdar K.	Environmental policy stringency and comparative advantage of environmental sensitive goods: a study of textile exports in G20 countries	2022	Benchmarking	29	9	2924	2951	10.1108/BIJ-06-2021-0304	14635771
38	Sharma D., Paul J., Dhir S., Taggar R.	Deciphering the impact of responsiveness on customer satisfaction, cross-buying behaviour, revisit intention and referral behaviour	2022	Asia Pacific Journal of Marketing and Logistics	34	10	2052	2072	10.1108/APJML-07-2021-0465	13555855
39	Pathak S.K., Kumar R., Goel V., Pandey A.K., Tyagi V.V.	Recent advancements in thermal performance of nano-fluids charged heat pipes used for thermal management applications: A comprehensive review	2022	Applied Thermal Engineering	216				10.1016/j.applthermaleng.2022.119023	13594311
40	Tiwari K.K., Bhogal S., Kumar S.	Estimation of Population Mean of a Sensitive Variable Using Randomized Response Technique Under Two-Phase Sampling	2022	Lobachevskii Journal of Mathematics	43	11	3400	3406	10.1134/S1995080222140335	19950802
41	Kajal, Sharma V.K.	An efficient low power method for FinFET domino OR logic circuit	2022	Microprocessors and Microsystems	95				10.1016/j.micpro.2022.104719	1419331
42	Kumar S., Chaube M.K., Alsamhi S.H., Gupta S.K., Guizani M., Gravina R., Fortino G.	A novel multimodal fusion framework for early diagnosis and accurate classification of COVID-19 patients using X-ray images and speech signal processing techniques	2022	Computer Methods and Programs in Biomedicine	226				10.1016/j.cmpb.2022.107109	1692607

43	Farooq U., Dar A.B.	Is there a Kuznets curve for forest product footprint? – empirical evidence from India	2022	Forest Policy and Economics	144				10.1016/j.forpol.2022.102850	13899341
44	Kumar G., Singh U.P., Jain S.	An adaptive particle swarm optimization-based hybrid long short-term memory model for stock price time series forecasting	2022	Soft Computing	26	22	12115	12135	10.1007/s00500-022-07451-8	14327643
45	Malik A., Rouf S., Ul Haq M.I., Raina A., Valerga Puerta A.P., Sagbas B., Ruggiero A.	Tribo-corrosive behavior of additive manufactured parts for orthopaedic applications	2022	Journal of Orthopaedics	34		49	60	10.1016/j.jor.2022.08.006	0972978X
46	Puri A., Gupta M.K., Sachdev K.	An ensemble-based approach using structural feature extraction method with class imbalance handling technique for drug-target interaction prediction	2022	Multimedia Tools and Applications	81	26	37499	37517	10.1007/s11042-022-13508-5	13807501
47	Kumar V., Pathak V., Badal N., Pandey P.S., Mishra R., Gupta S.K.	Complex entropy based encryption and decryption technique for securing medical images	2022	Multimedia Tools and Applications	81	26	37441	37459	10.1007/s11042-022-13546-z	13807501
48	Kour H., Gupta M.K.	Predicting the language of depression from multivariate twitter data using a feature-rich hybrid deep learning model	2022	Concurrency and Computation: Practice and Experience	34	24			10.1002/cpe.7224	15320626

49	Gupta A., Gupta S.K.	A survey on green unmanned aerial vehicles-based fog computing: Challenges and future perspective	2022	Transactions on Emerging Telecommunications Technologies	33	11			10.1002/ett.4603	21613915
50	Anand V., Gupta S., Nayak S.R., Koundal D., Prakash D., Verma K.D.	An automated deep learning models for classification of skin disease using Dermoscopy images: a comprehensive study	2022	Multimedia Tools and Applications	81	26	37379	37401	10.1007/s11042-021-11628-y	13807501
51	Kumar M., Goyal N., Qaisi R.M.A., Najim M., Gupta S.K.	Game theory based hybrid localization technique for underwater wireless sensor networks	2022	Transactions on Emerging Telecommunications Technologies	33	11			10.1002/ett.4572	21613915
52	Khan M.N., Sinha A.K.	Development of a sustainable supply chain network for the cement manufacturing industry using real-coded genetic algorithm	2022	Soft Computing	26	22	12235	12255	10.1007/s00500-022-07054-3	14327643
53	Hekimoğlu G., Sari A., Gencel O., Tyagi V.V.	Thermal energy storage characteristics of polyacrylic acid/dodecanol/carbon nanofiber composites as thermal conductive shape-stabilized composite phase change materials	2022	International Journal of Energy Research	46	14	20873	20885	10.1002/er.7732	0363907X
54	Singh G., Chopra K., Tyagi V.V., Pandey A.K., Sharma R.K., Sari A.	Estimation of thermodynamic and enviroeconomic characteristics of khoa (milk food) production unit	2022	Environment, Development and Sustainability	24	11	12542	12581	10.1007/s10668-021-01954-4	1387585X

55	Singh S., Sharma S., Sharma S., Alfarraj O., Yoon B., Tolba A.	Intrusion Detection System-Based Security Mechanism for Vehicular Ad-Hoc Networks for Industrial IoT	2022	IEEE Consumer Electronics Magazine	11	6	83	92	10.1109/MCE.2021.3138703	21622248
56	Raina N., Slathia P.S., Sharma P.	Response surface methodology (RSM) for optimization of thermochemical pretreatment method and enzymatic hydrolysis of deodar sawdust (DS) for bioethanol production using separate hydrolysis and co-fermentation (SHCF)	2022	Biomass Conversion and Biorefinery	12	11	5175	5195	10.1007/s13399-020-00970-0	21906815
57	Singh D.P., Kaushik B.	Machine learning concepts and its applications for prediction of diseases based on drug behaviour: An extensive review	2022	Chemometrics and Intelligent Laboratory Systems	229				10.1016/j.chemolab.2022.104637	1697439
58	Byotra D., Sharma S.	Performance analysis of textured journal bearing operating with and without nanoparticles in the lubricant	2022	Industrial Lubrication and Tribology	74	9	1028	1039	10.1108/ILT-03-2022-0078	368792
59	Zhao S., Xin D., Chen X., Stasic J., Trtica M., Siddiquee A.N., Mohan S.	Microstructure and enhanced tensile properties of AlCoxCrFeNi high entropy alloys with high Co content fabricated by laser melting deposition	2022	Journal of Alloys and Compounds	917				10.1016/j.jallcom.2022.165403	9258388
60	Katiyar J.K., Rao T.V.V.L.N., Ul Haq M.I., Abdollah M.F.B.	Guest editorial: Tribology for sustainability & reliability	2022	Industrial Lubrication and Tribology	74	8	913		10.1108/ILT-10-2022-548	368792

61	Raj K., Sharma S., Mursaleen M.	Almost λ -Statistical Convergence of Complex Uncertain Sequences	2022	International Journal of Uncertainty, Fuzziness and Knowledge-Based Systems	30	5	795	811	10.1142/S0218488522500234	2184885
62	Jain P.K., Dubey A., Saba L., Khanna N.N., Laird J.R., Nicolaides A., Fouda M.M., Suri J.S., Sharma N.	Attention-Based UNet Deep Learning Model for Plaque Segmentation in Carotid Ultrasound for Stroke Risk Stratification: An Artificial Intelligence Paradigm	2022	Journal of Cardiovascular Development and Disease	9	10			10.3390/jcdd9100326	23083425
63	Kalidasan B., Pandey A.K., Rahman S., Yadav A., Samykano M., Tyagi V.V.	Graphene–Silver Hybrid Nanoparticle based Organic Phase Change Materials for Enhanced Thermal Energy Storage	2022	Sustainability (Switzerland)	14	20			10.3390/su142013240	20711050
64	Sharma S., Singh S.	A Complementary Dual of Single-Valued Neutrosophic Entropy with Application to MAGDM	2022	Mathematics	10	20			10.3390/math10203726	22277390
65	Nafees N., Ahmed S., Kakkar V., Bahar A.N., Wahid K.A., Otsuki A.	QCA-Based PIPO and SIPO Shift Registers Using Cost-Optimized and Energy-Efficient D Flip Flop	2022	Electronics (Switzerland)	11	19			10.3390/electronics11193237	20799292
66	Tiwari K.K., Kumar P.	An Efficient Class of Estimators for Finite Population Mean Using Auxiliary Variable	2022	Thailand Statistician	20	4	754	765		16859057

67	Kumar S., Nagar R., Bhatnagar S., Vaddi R., Gupta S.K., Rashid M., Bashir A.K., Alkhalifah T.	Chest X ray and cough sample based deep learning framework for accurate diagnosis of COVID-19	2022	Computers and Electrical Engineering	103				10.1016/j.compeleceng.2022.108391	457906
68	Kumar S., Gupta S.K., Kumar V., Kumar M., Chaube M.K., Naik N.S.	Ensemble multimodal deep learning for early diagnosis and accurate classification of COVID-19	2022	Computers and Electrical Engineering	103				10.1016/j.compeleceng.2022.108396	457906
69	Sharma S.K., Bhat V.K.	On metric dimension of plane graphs with m2 number of 10 sided faces	2022	Journal of Combinatorial Optimization	44	3	1433	1458	10.1007/s10878-022-00899-2	13826905
70	Iyappan P., Loganathan J., Verma M.K., Dumka A., Singh R., Gehlot A., Akram S.V., Kaur S., Joshi K.	A generic and smart automation system for home using internet of things	2022	Bulletin of Electrical Engineering and Informatics	11	5	2727	2736	10.11591/eei.v11i5.3785	20893191
71	Singh P., Sharma R.K., Khalid M., Goyal R., Sari A., Tyagi V.V.	Evaluation of carbon based-supporting materials for developing form-stable organic phase change materials for thermal energy storage: A review	2022	Solar Energy Materials and Solar Cells	246				10.1016/j.solmat.2022.111896	9270248
72	Sharma R., Sumbria R.	Mycelium bricks and composites for sustainable construction industry: a state-of-the-art review	2022	Innovative Infrastructure Solutions	7	5			10.1007/s41062-022-00903-y	23644176

73	Sharma V.D., Khajuria P., Prakash R., Choudhary R.J.	X-ray photoemission and optical investigation of novel Sm ³⁺ activated NaZr ₂ (PO ₄) ₃ phosphor	2022	Optik	267				10.1016/j.ijleo.2022.169711	304026
74	Charak V., Sinha A.K.	Design and development of a rapid prototyping system combining traditional fused deposition modeling and reconfigurable pins platform	2022	Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering	236	5	2229	2239	10.1177/09544089221087821	9544089
75	Kumar R., Singh U.P., Bali A., Raj K.	Hybrid Neural Network Control for Uncertain Nonlinear Discrete-Time Systems with Bounded Disturbance	2022	Wireless Personal Communications	126	4	3475	3494	10.1007/s11277-022-09875-9	9296212
76	Khan S.S., Zargar S.A., Gupta V.K., Verma V., Rasool S.	Isolation and Identification of Bacterial and Fungal Endophytes from Selected Plants of Western Himalayas in Prospect for Bioactivities of Economic Importance	2022	Biology Bulletin	49	5	444	457	10.1134/S1062359022050090	10623590
77	Kulandaivel M., Natarajan A., Velayutham S., Srivastava A., Gupta S.K., Suresh P., Goyal N.	Compressive Sensing Node Localization Method Using Autonomous Underwater Vehicle Network	2022	Wireless Personal Communications	126	3	2781	2799	10.1007/s11277-022-09841-5	9296212
78	Shailendra R., Jayapalan A., Velayutham S., Baladhandapani A., Srivastava A., Kumar Gupta S., Kumar M.	An IoT and Machine Learning Based Intelligent System for the Classification of Therapeutic Plants	2022	Neural Processing Letters	54	5	4465	4493	10.1007/s11063-022-10818-5	13704621

79	Gupta I., Nayak S.R., Gupta S., Singh S., Verma K.D., Gupta A., Prakash D.	A deep learning based approach to detect IDC in histopathology images	2022	Multimedia Tools and Applications	81	25	36309	36330	10.1007/s11042-021-11853-5	13807501
80	Kumar R., Kumar K., Mahajan S., Chakraborty C., Pandit A.K.	Implementation of K-multi constraint shortest paths (K-MCSP) for video compression	2022	Multimedia Tools and Applications	81	24	35379	35410	10.1007/s11042-022-12180-z	13807501
81	Vij R., Arora S.	A systematic survey of advances in retinal imaging modalities for Alzheimer's disease diagnosis	2022	Metabolic Brain Disease	37	7	2213	2243	10.1007/s11011-022-00927-4	8857490
82	Ganie A.H.	Multicriteria decision-making based on distance measures and knowledge measures of Fermatean fuzzy sets	2022	Granular Computing	7	4	979	998	10.1007/s41066-021-00309-8	23644966
83	Kumar G., Singh U.P., Jain S.	Swarm Intelligence Based Hybrid Neural Network Approach for Stock Price Forecasting	2022	Computational Economics	60	3	991	1039	10.1007/s10614-021-10176-9	9277099
84	Kour G., Kothari R., Dhar S., Pathania D., Tyagi V.V.	Impact assessment on water quality in the polluted stretch using a cluster analysis during pre- and COVID-19 lockdown of Tawi river basin, Jammu, North India: an environment resiliency	2022	Energy, Ecology and Environment	7	5	461	472	10.1007/s40974-021-00215-4	23637692

85	Bakshi A., Gupta S.	An efficient face anti-spoofing and detection model using image quality assessment parameters	2022	Multimedia Tools and Applications	81	24	35047	35068	10.1007/s11042-020-10045-x	13807501
86	Gupta A., Gupta S.K., Rashid M., Khan A., Manjul M.	Unmanned aerial vehicles integrated HetNet for smart dense urban area	2022	Transactions on Emerging Telecommunications Technologies	33	10			10.1002/ett.4123	21613915
87	Sharma H., Kamaldeep, Dogra R.	Comparative overview of a novel configuration of a DC-AC converter with reduced components	2022	Renewable Energy Systems: Modeling, Optimization and Applications			91	116	10.1002/9781119804017.ch4	
88	Kamaldeep, Sharma H., Kumar S., Tyagi A., Dogra R.	Quality improvement by eliminating harmonic using nature-based optimization technique	2022	Renewable Energy Systems: Modeling, Optimization and Applications			453	468	10.1002/9781119804017.ch17	
89	Gupta S., Gupta M.K., Shabaz M., Sharma A.	Deep learning techniques for cancer classification using microarray gene expression data	2022	Frontiers in Physiology	13				10.3389/fphys.2022.952709	1664042X
90	Gupta A., Gupta S.K.	Flying through the secure fog: A complete study on UAV-Fog in heterogeneous networks	2022	International Journal of Communication Systems	35	13			10.1002/dac.5237	10745351

91	Kumar A., Chalotra T., Pathak A.K., Raina N.	Role of microbes in wastewater treatment and energy generation potentials: A sustainable approach	2022	Microbial Biotechnology: Role in Ecological Sustainability and Research			265	311	10.1002/9781119834489.ch15	
92	Prasad R.D., Desai C.B., Shrivastav O.P., Charmode N., Prasad S.R., Samant A., Mirajkar R., Banga S., Shaikh	A Critical Review on Design and Development of Carbonaceous Materials for Veterinary Medicine	2022	ES Food and Agroforestry	9		15	38	10.30919/esfaf770	26877295
93	Khan S.S., Verma V., Rasool S.	Isolation and Characterisation of Plant Growth-Promoting Bacterial and Fungal Endophytes from Himalayan Yew (Taxus wallichiana) - An Economically Imperative Pant of Himalayas [Pemencilan dan Pencirian Bakteria dan Kulat Endofit Penggalak-	2022	Sains Malaysiana	51	9	2789	2802	10.17576/jsm-2022-5109-05	1266039
94	Srivyas P.D., Charoo M.S., Wani M.F., Sehgal R., Raina A., Haq M.I.U., Shekhar C., Medhi T., Arumugam S.	Impact of surface texturing on the tribological behaviour of aluminium-silicon (Al-Si/Al ₂ O ₃) advanced composite under dry and lubricating conditions	2022	Surface Topography: Metrology and Properties	10	3			10.1088/2051-672X/ac929a	2051672X
95	Dutta V., Thakur L., Singh B.	Parametric optimization of friction stir process for developing high strength and wear-resistant chromium reinforced NiAl bronze composite	2022	Materials Research Express	9	9			10.1088/2053-1591/ac9272	20531591
96	Mitra S., Wanchoo S.K., Priestley K.	Seismic Coda-Wave Attenuation Tomography of the Jammu and Kashmir Himalaya	2022	Journal of Geophysical Research: Solid Earth	127	9			10.1029/2022JB024917	21699313

97	Pandey A.K., Kalidasan B., Reji Kumar R., Rahman S., Tyagi V.V., Krismadinata, Said Z., Salam P.A.,	Solar Energy Utilization Techniques, Policies, Potentials, Progresses, Challenges and Recommendations in ASEAN Countries	2022	Sustainability (Switzerland)	14	18			10.3390/su141811193	20711050
98	Sharma P., Singh P., Bhushan I., Pathania K.	Combustion synthesis of NaSrVO4: Nd ³⁺ nanophosphors with enhanced NIR 1.056 μ m luminescent performance for solid-state laser and bio-imaging applications	2022	Journal of Materials Science	57	36	17219	17233	10.1007/s10853-022-07746-z	222461
99	Kumar P., Srivastava V.K., Kumar D., Sharma S.M.	Self and Complementary Mating Of Carbon-Carbon and Carbon-Carbon-Silicon Carbide Composites in Reciprocating Tribo-Interactions	2022	Tribology in Industry	44	3	424	433	10.24874/ti.1263.02.22.04	3548996
100	Bairwa N.K., Shoket H., Pandita M., Sharma M.	A Simple Assay for the Detection of Late-Stage Apoptosis Features in <i>Saccharomyces cerevisiae</i>	2022	Current Protocols	2	9			10.1002/cpz1.525	26911299
101	Bakshi A., Gupta S.	Face Anti-Spoofing System using Motion and Similarity Feature Elimination under Spoof Attacks	2022	International Arab Journal of Information Technology	19	5	747	758	10.34028/iajit/19/5/6	16833198
102	Bhat V.K., Sharma S.K.	Zagreb and Wiener Indices of the Conjugacy Class Graph of the Quasi-Dihedral and Generalized Quaternion Groups	2022	Applied Mathematics and Information Sciences	16	5	815	822	10.18576/amis/160515	19350090

103	Rouf S., Malik A., Raina A., Irfan Ul Haq M., Naveed N., Zolfagharian A., Bodaghi M.	Functionally graded additive manufacturing for orthopedic applications	2022	Journal of Orthopaedics	33		70	80	10.1016/j.jor.2022.06.013	0972978X
104	Pandey B.K., Rajesh S., Chandra S.	Time-Dependent Behavior of Embankment Resting on Soft clay Reinforced with Encased Stone Columns	2022	Transportation Geotechnics	36				10.1016/j.trgeo.2022.100809	22143912
105	Mahajan R., Prakash R.	Effect of Eu ³⁺ activator on spectral investigation of red emitting MgP ₂ O ₆ phosphate	2022	Optik	266				10.1016/j.ijleo.2022.169611	304026
106	Sharma R., Kumar A.	An expeditious and clean synthesis of novel benzotriazole-triazole conjugates via Copper-catalyzed Azide-Alkyne cycloaddition click protocol (CuAAC)	2022	Journal of Chemical Sciences	134	3			10.1007/s12039-022-02073-x	9743626
107	Kumar R R., Pandey A.K., Samykano M., Aljafari B., Ma Z., Bhattacharyya S., Goel V., Ali I., Kothari R., Tyagi	Phase change materials integrated solar desalination system: An innovative approach for sustainable and clean water production and storage	2022	Renewable and Sustainable Energy Reviews	165				10.1016/j.rser.2022.112611	13640321
108	Khan A., Gupta S., Gupta S.K.	Emerging UAV technology for disaster detection, mitigation, response, and preparedness	2022	Journal of Field Robotics	39	6	905	955	10.1002/rob.22075	15564959

109	Kumar S., Kumar S., Shafi M., Chaube M.K.	A novel multimodal framework for automatic recognition of individual cattle based on hybrid features using sparse stacked denoising autoencoder and group sparse representation techniques	2022	Multimedia Tools and Applications	81	21	31075	31106	10.1007/s11042-022-12701-w	13807501
110	Pathak A.K., Tyagi V.V., Anand S., Pandey A.K., Kothari R.	Advancement in solar still integration with phase change materials-based TES systems and nanofluid for water and wastewater treatment applications	2022	Journal of Thermal Analysis and Calorimetry	147	17	9181	9227	10.1007/s10973-021-11182-7	13886150
111	Raina N., Pahwa R., Khosla J.K., Gupta P.N., Gupta M.	Polycaprolactone-based materials in wound healing applications	2022	Polymer Bulletin	79	9	7041	7063	10.1007/s00289-021-03865-w	1700839
112	Gupta G., Haq M.I.U., Raina A., Shafi W.K.	Effect of epoxidation and nanoparticle addition on the rheological and tribological properties of canola oil	2022	Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology	236	9	1837	1845	10.1177/135065012111016181	13506501
113	Kumar R., Ul Haq M.I., Sharma S.M., Raina A., Anand A.	Effect of water absorption on mechanical and tribological properties of Indian ramie/epoxy composites	2022	Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology	236	9	1871	1879	10.1177/135065012111005635	13506501
114	Jose D., Raina N., Deepakkumar R., Panakkal E.J., Sriariyanun M., Kangsadan T.	The combined effect of inorganic salt and ionic liquid in pretreatment on enzymatic saccharification of rice straw	2022	E3S Web of Conferences	355				10.1051/e3sconf/202235501002	25550403

115	Raina N., Sriariyanun M., Areeya S., Pathak A.K., Slathia G., Saraswat H.	Trends in harnessing energy from waste biomass: Pathways & future potential	2022	E3S Web of Conferences	355				10.1051/e3sconf/202235501001	25550403
116	Bhat A.A., Majumdar K., Mishra R.K.	Political factors influencing residents' support for tourism development in Kashmir	2022	International Journal of Tourism Cities	8	3	718	740	10.1108/IJTC-03-2021-0052	20565607
117	Bangotra A., Sharma S.	Impact of surface waviness on the static performance of journal bearing with CuO and CeO ₂ nanoparticles in the lubricant	2022	Industrial Lubrication and Tribology	74	7	853	867	10.1108/ILT-02-2022-0054	368792
118	Dutta V., Thakur L., Singh B., Vasudev H.	A Study of Erosion–Corrosion Behaviour of Friction Stir-Processed Chromium-Reinforced NiAl Bronze Composite	2022	Materials	15	15			10.3390/ma15155401	19961944
119	Fazili M.M., Shah M.F., Naz S.F., Shah A.P.	Next generation QCA technology based true random number generator for cryptographic applications	2022	Microelectronics Journal	126				10.1016/j.mejo.2022.105502	262692
120	Ouikhalfan M., Sari A., Hekimoğlu G., Gencel O., Tyagi V.V.	Thermal energy storage properties, thermal conductivity, chemical/and thermal reliability of three different organic phase change materials doped with hexagonal boron nitride	2022	Surfaces and Interfaces	32				10.1016/j.surfin.2022.102176	24680230

121	Abrol V., Kushwaha M., Mallubhotla S., Jaglan S.	Chemical mutagenesis and high throughput media optimization in Tolypocladium inflatum MTCC-3538 leads to enhanced production of cyclosporine A	2022	3 Biotech	12	8			10.1007/s13205-022-03219-x	2190572X
122	Mujtaba A., Jena P.K., Mishra B.R., Kyophilavong P., Hammoudeh S., Roubaud D., Dehury T.	Do Economic Growth, Energy Consumption and Population damage the Environmental Quality? Evidence from Five Regions Using the Nonlinear ARDL Approach	2022	Environmental Challenges	8				10.1016/j.envc.2022.100554	26670100
123	Dar A.A., Raina A., Kumar A.	Development, method validation and simultaneous quantification of eleven bioactive natural products from high-altitude medicinal plant by high-performance liquid chromatography	2022	Biomedical Chromatography	36	8			10.1002/bmc.5408	2693879
124	Singh V., Kumar N., Kumar M., Arya S.K.	A common-gate cascaded with cascoded self-bias common source approach for 3.1–10.6 GHz UWB low noise amplifier	2022	International Journal of Information Technology (Singapore)	14	5	2389	2398	10.1007/s41870-022-01001-z	25112104
125	Jha K.R., Jibran Z.A.P., Sharma S.K.	Absorption Peak Controlled Low-Frequency Wideband Flexible FSS Absorber	2022	IEEE Transactions on Electromagnetic Compatibility	64	4	975	986	10.1109/TEM.2022.3159746	189375
126	Mahajan S., Abualigah L., Pandit A.K.	Hybrid arithmetic optimization algorithm with hunger games search for global optimization	2022	Multimedia Tools and Applications	81	20	28755	28778	10.1007/s11042-022-12922-z	13807501

127	Singh G., Tyagi V.V., Pandey A.K., Goel V., Sari A.	Comparative exergoeconomic analysis of single, two and three stage spray drying systems	2022	Journal of Thermal Analysis and Calorimetry	147	16	8947	8968	10.1007/s10973-021-11129-y	13886150
128	Gupta S., Gupta M.K.	A Comparative Analysis of Deep Learning Approaches for Predicting Breast Cancer Survivability	2022	Archives of Computational Methods in Engineering	29	5	2959	2975	10.1007/s11831-021-09679-3	11343060
129	Pathak A.K., Tyagi V.V., Anand S., Kothari R.	Experimental investigation of designed solar parabolic concentrator based desalination system for textile industry wastewater treatment	2022	Energy and Environment	33	5	870	896	10.1177/0958305X211027335	0958305X
130	Yadav A.K., Jena P.K.	Explaining changing patterns and inequalities in maternal healthcare services utilization in India	2022	Journal of Public Affairs	22	3			10.1002/pa.2570	14723891
131	Kaul A., Raina S.	Support vector machine versus convolutional neural network for hyperspectral image classification: A systematic review	2022	Concurrency and Computation: Practice and Experience	34	15			10.1002/cpe.6945	15320626
132	Hazarika A.K., Sharma A.K., Mohan K., Prashar N.	Socio-cultural and Environmental Analysis of Vernacular Residential Designs: Houses of Jammu, India	2022	ISVS e-journal	9	3	124	138		23202661

133	Rajalakshmi N.R., Dumka A., Kumar M., Singh R., Gehlot A., Akram S.V., Anand D., Elkamchouchi D.H.,	A Cost-Optimized Data Parallel Task Scheduling with Deadline Constraints in Cloud	2022	Electronics (Switzerland)	11	13			10.3390/electro nics11132022	20799292
134	Kumar K., Kumar R., Mahajan S., Chakraborty C., Pandit A.K.	Performance analysis of hybrid coders in multi-constraints pruned environment	2022	Multimedia Tools and Applications	81	16	23123	23143	10.1007/s11042- 022-12388-z	13807501
135	Fikri M.A., Samykan M., Pandey A.K., Kadrigama K., Kumar R.R., Selvaraj J., Rahim N.A., Tyagi	Recent progresses and challenges in cooling techniques of concentrated photovoltaic thermal system: A review with special treatment on phase change materials (PCMs) based cooling	2022	Solar Energy Materials and Solar Cells	241				10.1016/j.solma t.2022.111739	9270248
136	Mahajan S., Abualigah L., Pandit A.K., Al Nasar M.R., Alkhazaleh H.A., Altalhi M.	Fusion of modern meta-heuristic optimization methods using arithmetic optimization algorithm for global optimization tasks	2022	Soft Computing	26	14	6749	6763	10.1007/s00500- 022-07079-8	14327643
137	Shoket H., Parvez S., Sharma M., Pandita M., Sharma V., Kumar P., Bairwa N.K.	Deletion of autophagy related, ATG1 and F- box motif encoding YDR131C, together, lead to synthetic growth defects and flocculation behavior in <i>Saccharomyces cerevisiae</i>	2022	Journal of Biochemical and Molecular Toxicology	36	7			10.1002/jbt.230 64	10956670
138	Sharma S.K., Bhat V.K., Raza H., Sharma S.	On mixed metric dimension of polycyclic aromatic hydrocarbon networks	2022	Chemical Papers	76	7	4115	4128	10.1007/s11696- 022-02151-x	3666352

139	Kour H., Gupta M.K.	An hybrid deep learning approach for depression prediction from user tweets using feature-rich CNN and bi-directional LSTM	2022	Multimedia Tools and Applications	81	17	23649	23685	10.1007/s11042-022-12648-y	13807501
140	Rouf S., Raina A., Irfan Ul Haq M., Naveed N., Jeganmohan S., Farzana Kichloo A.	3D printed parts and mechanical properties: Influencing parameters, sustainability aspects, global market scenario, challenges and applications	2022	Advanced Industrial and Engineering Polymer Research	5	3	143	158	10.1016/j.aiepr.2022.02.001	25425048
141	Hamid I., Alam M.S., Kanwal A., Jena P.K., Murshed M., Alam R.	Decarbonization pathways: the roles of foreign direct investments, governance, democracy, economic growth, and renewable energy transition	2022	Environmental Science and Pollution Research	29	33	49816	49831	10.1007/s11356-022-18935-3	9441344
142	Kour N., Gupta S., Arora S.	A vision-based clinical analysis for classification of knee osteoarthritis, Parkinson's disease and normal gait with severity based on k-nearest neighbour	2022	Expert Systems	39	6			10.1111/exsy.12955	2664720
143	Goala S., Prakash D., Dutta P., Talukdar P., Verma K.D., Palai G.	A decision support system for surveillance of smart cities via a novel aggregation operator on intuitionistic fuzzy sets	2022	Multimedia Tools and Applications	81	16	22587	22608	10.1007/s11042-021-11522-7	13807501
144	Riaz A., Sharma V.K.	A Novel Low Power 4:2 Compressor using FinFET Devices	2022	Analog Integrated Circuits and Signal Processing	112	1	127	139	10.1007/s10470-022-01989-1	9251030

145	Singh S., Ganie A.H.	Two-parametric generalized fuzzy knowledge measure and accuracy measure with applications	2022	International Journal of Intelligent Systems	37	7	3836	3880	10.1002/int.22705	8848173
146	Chauhan A., Thappa S., Tyagi V.V., Anand S.	Numerical simulation and exergetic optimization of a PV/T integrated dual expansion heat pump	2022	Journal of Thermal Analysis and Calorimetry	147	14	7991	8008	10.1007/s10973-021-11064-y	13886150
147	Shah R., Khaitan P.G., Pandita T.K., Rafiq A., Abrol D., Suri J., Kaul S., Kumar R., Sharma S.	Gastric cancer in Jammu and Kashmir, India: A review of genetic perspectives	2022	Journal of Cancer Research and Therapeutics	18	4	873	879	10.4103/jcrt.JCRT_12_19	9731482
148	Singh D.P., Abhishek Gupta, Baijnath Kaushik	DWUT-MLP: Classification of anticancer drug response using various feature selection and classification techniques	2022	Chemometrics and Intelligent Laboratory Systems	225				10.1016/j.chemolab.2022.104562	1697439
149	R R.K., Samykano M., Pandey A.K., Kadirgama K., Tyagi V.V.	A comparative study on thermophysical properties of functionalized and non-functionalized Multi-Walled Carbon Nano Tubes (MWCNTs) enhanced salt hydrate phase change material	2022	Solar Energy Materials and Solar Cells	240				10.1016/j.solmat.2022.111697	9270248
150	Bhardwaj R., Srivastava S., Taggar R., Bindra S.	Exploring micro-foundations of dynamic capabilities for social enterprises	2022	Social Enterprise Journal	18	3	451	469	10.1108/SEJ-08-2021-0071	17508614

151	Ahmad S., Iqbal K., Kothari R., Singh H.M., Sari A., Tyagi V.V.	A critical overview of upstream cultivation and downstream processing of algae-based biofuels: Opportunity, technological barriers and future perspective	2022	Journal of Biotechnology	351		74	98	10.1016/j.jbiotec.2022.03.015	1681656
152	Choudhary T.F., Gupta M., Mavi H.K.	Modelling the Relationship between Climate Change and Rice Yield: Evidence from Indian Agriculture	2022	Indian Journal of Economics and Development	18	2	495	500	10.35716/IJED/2039	22775412
153	Gupta S., Gupta M.K.	Computational Prediction of Cervical Cancer Diagnosis Using Ensemble-Based Classification Algorithm	2022	Computer Journal	65	6	1527	1539	10.1093/comjnl/bxaa198	104620
154	Pandey B.K., Rajesh S., Chandra S.	Performance of Soft Clay Reinforced with Encased Stone Column: A Systematic Review	2022	International Journal of Geosynthetics and Ground Engineering	8	3			10.1007/s40891-022-00387-x	21999260
155	Abdalla J.A., Thomas B.S., Hawileh R.A., Yang J., Jindal B.B., Ariyachandra E.	Influence of nano-TiO ₂ , nano-Fe ₂ O ₃ , nanoclay and nano-CaCO ₃ on the properties of cement/geopolymer concrete	2022	Cleaner Materials	4				10.1016/j.clema.2022.100061	27723976
156	Fazili M.M., Shah M.F., Naz S.F., Shah A.P.	Survey, taxonomy, and methods of QCA-based design techniques - Part I: Digital circuits	2022	Semiconductor Science and Technology	37	6			10.1088/1361-6641/ac5ec0	2681242

157	Fazili M.M., Shah M.F., Naz S.F., Shah A.P.	Survey, taxonomy, and methods of QCA-based design techniques - Part II: Reliability and security	2022	Semiconductor Science and Technology	37	6			10.1088/1361-6641/ac5ec1	2681242
158	Fikri M.A., Pandey A.K., Samykano M., Kadirgama K., George M., Saidur R., Selvaraj J., Rahim N.A., Sharma K.,	Thermal conductivity, reliability, and stability assessment of phase change material (PCM) doped with functionalized multi-wall carbon nanotubes (FMWCNTs)	2022	Journal of Energy Storage	50				10.1016/j.est.2022.104676	2352152X
159	Tiwari K.K., Bhoulal S., Kumar S., Rather K.U.I.	Using Randomized Response to Estimate the Population Mean of a Sensitive Variable under the Influence of Measurement Error	2022	Journal of Statistical Theory and Practice	16	2			10.1007/s42519-022-00251-1	15598608
160	Bali A., Pratap Singh U., Kumar R., Raj K.	Hybrid neural network control for nonlinear continuous time systems with time delays and dead zone input	2022	International Journal of Adaptive Control and Signal Processing	36	6	1439	1459	10.1002/acs.3403	8906327
161	Paul J., Pandey A.K., Mishra Y.N., Said Z., Mishra Y.K., Ma Z., Jacob J., Kadirgama K., Samykano M., Tyagi V.V.	Nano-enhanced organic form stable PCMs for medium temperature solar thermal energy harvesting: Recent progresses, challenges, and opportunities	2022	Renewable and Sustainable Energy Reviews	161				10.1016/j.rser.2022.112321	13640321
162	Rana S., Ali S., Wani H.A., Mushtaq Q.D., Sharma S., Rehman M.U.	Metabolic syndrome and underlying genetic determinants-A systematic review	2022	Journal of Diabetes and Metabolic Disorders	21	1	1095	1104	10.1007/s40200-022-01009-z	22516581

163	Sharma V.K.	A novel approach for designing of variability aware low-power logic gates	2022	ETRI Journal	44	3	491	503	10.4218/etrij.2020-0213	12256463
164	Kaul A., Altaf I.	Vanet-TSMA: A traffic safety management approach for smart road transportation in vehicular ad hoc networks	2022	International Journal of Communication Systems	35	9			10.1002/dac.5132	10745351
165	Shah A.A., Dar A.B.	Asymmetric, time and frequency-based spillover transmission in financial and commodity markets	2022	Journal of Economic Asymmetries	25				10.1016/j.jeca.2022.e00241	17034949
166	Pathak S.K., Sharma P.O., Goel V., Bhattacharyya S., Aybar H.Ş., Meyer J.P.	A detailed review on the performance of photovoltaic/thermal system using various cooling methods	2022	Sustainable Energy Technologies and Assessments	51				10.1016/j.seta.2021.101844	22131388
167	Sharma N., Kumar S., Lee Y., Singh V.K., Singh V.K.	Spectroscopic Investigations of Healthy and Diseased Ber (Ziziphus mauritiana) Fruits Using Laser-Induced Breakdown Spectroscopy in Combination with Partial Least Squares-Discriminant Analysis	2022	Arabian Journal for Science and Engineering	47	6	7519	7529	10.1007/s13369-021-06222-1	2193567X
168	Das A.K., Gupta R.	On normality of a closure space generated from a tree by relation	2022	Asian-European Journal of Mathematics	15	6			10.1142/S179357122501108	17935571

169	Javid T., Gupta M.K., Gupta A.	A hybrid-security model for privacy-enhanced distributed data mining	2022	Journal of King Saud University - Computer and Information Sciences	34	6	3602	3614	10.1016/j.jksuci.2020.06.010	13191578
170	Jasrotia S., Singh U.P., Raj K.	Applications of statistically probability convergence to approximation theorem	2022	Mathematical Methods in the Applied Sciences	45	8	4741	4751	10.1002/mma.8067	1704214
171	Bhat G.R., Sethi I., Rah B., Kumar R., Afroze D.	Innovative in Silico Approaches for Characterization of Genes and Proteins	2022	Frontiers in Genetics	13				10.3389/fgene.2022.865182	16648021
172	Sarı A., Hekimoğlu G., Karabayır Y., Sharma R.K., Arslanoğlu H., Gencel O., Tyagi V.V.	Capric-stearic acid mixture impregnated carbonized waste sugar beet pulp as leak-resistive composite phase change material with effective thermal conductivity and thermal energy storage performance	2022	Energy	247				10.1016/j.energy.2022.123501	3605442
173	Sharma M., Mallubhotla S.	Diversity, Antimicrobial Activity, and Antibiotic Susceptibility Pattern of Endophytic Bacteria Sourced From Cordia dichotoma L	2022	Frontiers in Microbiology	13				10.3389/fmicb.2022.879386	1664302X
174	Akber N., Paltasingh K.R.	COVID-19 lockdown and prices of essential food items in India: examining law of one price	2022	Journal of Agribusiness in Developing and Emerging Economies	12	3	510	530	10.1108/JADEE-12-2021-0316	20440839

175	Ganie A.H.	Some novel correlation coefficients of spherical fuzzy sets with their application in pattern recognition	2022	Songklanakarin Journal of Science and Technology	44	3	636	645		1253395
176	Majeed H., Singh V.	A Common-Gate, gm-boosting LNA Using Active Inductor-Based Input Matching for 3.1-10.6 GHz UWB Applications	2022	Electrica	22	2	173	187	10.54614/electrica.2022.21136	26199831
177	Vats A., Kumar A.	Cultural Autonomy as Impregnable Armour: Locating Black Feminist Autoethnography in Gloria Naylor's Mama Day	2022	Journal of International Women's Studies	24	1				15398706
178	Kour D., Khan S.S., Kaur T., Kour H., Singh G., Yadav A., Yadav A.N.	Drought adaptive microbes as bioinoculants for the horticultural crops	2022	Heliyon	8	5			10.1016/j.heliyon.2022.e09493	24058440
179	Mujtaba A., Jena P.K., Bekun F.V., Sahu P.K.	Symmetric and asymmetric impact of economic growth, capital formation, renewable and non-renewable energy consumption on environment in OECD countries	2022	Renewable and Sustainable Energy Reviews	160				10.1016/j.rser.2022.112300	13640321
180	Mahajan S., Abualigah L., Pandit A.K., Altalhi M.	Hybrid Aquila optimizer with arithmetic optimization algorithm for global optimization tasks	2022	Soft Computing	26	10	4863	4881	10.1007/s00500-022-06873-8	14327643

181	Sharma H., Jha R.K.	VLC Enabled Hybrid Wireless Network for B5G/6G Communications	2022	Wireless Personal Communications	124	2	1741	1771	10.1007/s11277-021-09429-5	9296212
182	Singh V.K., Sharma N., Singh V.K.	Application of X-ray fluorescence spectrometry in plant science: Solutions, threats, and opportunities	2022	X-Ray Spectrometry	51	3	304	327	10.1002/xrs.3260	498246
183	Hamid I., Jena P.K., Mukhopdhyay D.	Should China prefer more foreign direct investment inflows to environmental change?	2022	Journal of Public Affairs	22	2			10.1002/pa.2466	14723891
184	Akber N.	Does input subsidy discourage public investment in Indian agriculture? Evidence from ARDL applications	2022	Journal of Public Affairs	22	2			10.1002/pa.2337	14723891
185	Sahoo P., Paltasingh K.R.	Is Growth Enough for Poverty Reduction? A Micro-perspective from Two South Indian States	2022	Economic and Political Weekly	57	18	14	16		129976
186	Javaid M., Haleem A., Rab S., Singh R.P., Suman R., Mohan S.	Progressive schema of 5G for Industry 4.0: features, enablers, and services	2022	Industrial Robot	49	3	527	543	10.1108/IR-10-2021-0226	0143991X

187	Malik A., UI Haq M.I., Raina A., Gupta K.	3D printing towards implementing Industry 4.0: sustainability aspects, barriers and challenges	2022	Industrial Robot	49	3	491	511	10.1108/IR-10-2021-0247	0143991X
188	Fasuludeen Kunju F., Naveed N., Anwar M.N., UI Haq M.I.	Production and maintenance in industries: impact of industry 4.0	2022	Industrial Robot	49	3	461	475	10.1108/IR-09-2021-0211	0143991X
189	Rouf S., Raina A., UI Haq M.I., Naveed N.	Sensors and tribological systems: applications for industry 4.0	2022	Industrial Robot	49	3	442	460	10.1108/IR-10-2021-0225	0143991X
190	Sharma A., Mehtab R., Mohan S., Mohd Shah M.K.	Augmented reality – an important aspect of Industry 4.0	2022	Industrial Robot	49	3	428	441	10.1108/IR-09-2021-0204	0143991X
191	Sakhre V., Singh U.P.	Reactive distillation: Advanced control using neural networks	2022	Reactive Distillation: Advanced Control using Neural Networks			1	140	10.1515/9783110656268	
192	Rawat K., Sharma N., Singh V.K.	Historical fundamentals of x-ray instruments and present trends in biological science	2022	X-Ray Fluorescence in Biological Sciences: Principles, Instrumentation, and Applications			569	589	10.1002/9781119645719.ch36	

193	Rawat K., Sharma N., Singh V.K.	X-ray fluorescence and comparison with other analytical methods (AAS, ICP-AES, LA-ICP-MS, IC, LIBS, SEM-EDS, and XRD)	2022	X-Ray Fluorescence in Biological Sciences: Principles, Instrumentation, and Applications			3	20	10.1002/9781119645719.ch1	
194	Khan A., Gupta S., Gupta S.K.	Multi-UAV integrated HetNet for maximum coverage in disaster management	2022	Journal of Electrical Engineering	73	2	116	123	10.2478/jee-2022-0015	13353632
195	Gupta A.	A Segmentation Algorithm for the Leaf Area Identification in Plant's Images	2022	Science and Technology Asia	27	2	171	178		25869027
196	Riaz A., Sharma V.K.	Performance Comparison for FinFET Nanoscale Static and Domino Logic Circuits	2022	International Journal of Nanoscience	21	2			10.1142/S0219581X22500120	0219581X
197	Li X., Guo Y., Sharma R., Singh A., Zhang H., Zhang J., Fu Y.	Utilization of Different Grain Size of Municipal Solid Waste Bottom Ash in High-Performance Mortars	2022	Sustainability (Switzerland)	14	7			10.3390/su14074263	20711050
198	Farooq S.A., Raina A., Mohan S., Singh R.A., Jayalakshmi S., Haq M.I.U.	Nanostructured Coatings: Review on Processing Techniques, Corrosion Behaviour and Tribological Performance	2022	Nanomaterials	12	8			10.3390/nano12081323	20794991

199	Srinivasreddy K., Bala Murugan S., Jindal B.B., Vali K.S.	Experimental study on the properties of ternary blended geopolymers rich mortar	2022	Innovative Infrastructure Solutions	7	2			10.1007/s41062-022-00757-4	23644176
200	Chopra K., Tyagi V.V., Pandey A.K., Popli S., Singh G., Sharma R.K., Sari A.	Effect of simultaneous & consecutive melting/solidification of phase change material on domestic solar water heating system	2022	Renewable Energy	188		329	348	10.1016/j.renene.2022.01.059	9601481
201	Verma S.K., Anand Y., Gupta N., Jindal B.B., Tyagi V.V., Anand S.	Hygrothermal dynamics for developing energy-efficient buildings: Building materials and ventilation system considerations	2022	Energy and Buildings	260				10.1016/j.enbuild.2022.111932	3787788
202	Bindra S., Sharma D., Parameswar N., Dhir S., Paul J.	Bandwagon effect revisited: A systematic review to develop future research agenda	2022	Journal of Business Research	143		305	317	10.1016/j.jbusres.2022.01.085	1482963
203	Srivyas P.D., Wani M.F., Sehgal R., Singh Bisht C.S., Charoo M.S., Raina A., Irfan Ul Haq M.	Synergetic effect of surface texturing and graphene nanoplatelets on the tribological properties of hybrid self-lubricating composite	2022	Tribology International	168				10.1016/j.triboint.2022.107434	0301679X
204	Nagar S., Sharma K., Pandey A.K., Tyagi V.V.	Effect of graphene and its derivatives on thermo-mechanical properties of phase change materials and its applications: a comprehensive review	2022	Frontiers in Energy	16	2	150	186	10.1007/s11708-021-0795-3	20951701

205	Tripathy P., Khatua M., Behera P., Satpathy L.D., Jena P.K., Mishra B.R.	Dynamic link between bilateral FDI, the quality of environment and institutions: evidence from G20 countries	2022	Environmental Science and Pollution Research	29	18	27150	27171	10.1007/s11356-021-18368-4	9441344
206	Ghosh S., Banerjee A., Sufian A., Gupta S.K.	Autoregressive moving average based anycast with support vector machine clustering in mobile ad-hoc networks	2022	Transactions on Emerging Telecommunications Technologies	33	4			10.1002/ett.4432	21613915
207	Singh S., Ganie A.H.	Applications of a picture fuzzy correlation coefficient in pattern analysis and decision-making	2022	Granular Computing	7	2	353	367	10.1007/s41066-021-00269-z	23644966
208	Singh S., Ganie A.H.	Generalized hesitant fuzzy knowledge measure with its application to multi-criteria decision-making	2022	Granular Computing	7	2	239	252	10.1007/s41066-021-00263-5	23644966
209	Singh P., Bhat V.K.	Graph invariants of the line graph of zero divisor graph of Z_n	2022	Journal of Applied Mathematics and Computing	68	2	1271	1287	10.1007/s12190-021-01567-0	15985865
210	Sharma S.K., Bhat V.K.	Fault-tolerant metric dimension of two-fold heptagonal-nonagonal circular ladder	2022	Discrete Mathematics, Algorithms and Applications	14	3			10.1142/S1793830921501329	17938309

211	Singh S., Ganie A.H.	Some novel q-rung orthopair fuzzy correlation coefficients based on the statistical viewpoint with their applications	2022	Journal of Ambient Intelligence and Humanized Computing	13	4	2227	2252	10.1007/s12652-021-02983-7	18685137
212	Kumar A., Sharma S., Goyal N., Gupta S.K., Kumari S., Kumar S.	Energy-efficient fog computing in Internet of Things based on Routing Protocol for Low-Power and Lossy Network with Contiki	2022	International Journal of Communication Systems	35	4			10.1002/dac.5049	10745351
213	Mishra H.G., Pandita S., Bhat A.A., Mishra R.K., Sharma S.	Tourism and carbon emissions: a bibliometric review of the last three decades: 1990–2021	2022	Tourism Review	77	2	636	658	10.1108/TR-07-2021-0310	16605373
214	Ouikhalfan M., Hekimoğlu G., Sari A., Gencel O., Tyagi V.V.	Metal Oxide Nanoparticle Dispersed-Polyethylene Glycol: Thermal Conductivity and Thermal Energy Storage Properties	2022	Energy and Fuels	36	5	2821	2832	10.1021/acs.energyfuels.1c04140	8870624
215	Fan X., Li Y., Majeed P., Lone M.A., Sharma S.	Geometric Classification of Warped Products Isometrically Immersed into Conformal Sasakian Space Forms	2022	Symmetry	14	3			10.3390/sym14030608	20738994
216	Hekimoğlu G., Sari A., Önal Y., Gencel O., Tyagi V.V., Aslan E.	Utilization of waste apricot kernel shell derived-activated carbon as carrier framework for effective shape-stabilization and thermal conductivity enhancement of organic phase change materials used for thermal energy storage	2022	Powder Technology	401				10.1016/j.powtec.2022.117291	325910

217	Singh J.P., Jain S., Singh U.P., Arora S.	Hybrid neural network model for reconstruction of occluded regions in multi-gait scenario	2022	Multimedia Tools and Applications	81	7	9607	9629	10.1007/s11042-022-11964-7	13807501
218	Bansal P., Gehlot K., Singhal A., Gupta A.	Automatic detection of osteosarcoma based on integrated features and feature selection using binary arithmetic optimization algorithm	2022	Multimedia Tools and Applications	81	6	8807	8834	10.1007/s11042-022-11949-6	13807501
219	Sharma R., Kaushik B.	Handwritten Indic scripts recognition using neuro-evolutionary adaptive PSO based convolutional neural networks	2022	Sadhana - Academy Proceedings in Engineering Sciences	47	1			10.1007/s12046-021-01787-x	2562499
220	Nayak N.R., Kumar S., Gupta D., Suri A., Naved M., Soni M.	Network mining techniques to analyze the risk of the occupational accident via bayesian network	2022	International Journal of System Assurance Engineering and Management	13		633	641	10.1007/s13198-021-01574-1	9756809
221	Paltasingh K.R., Basantaray A.K., Jena P.K.	Land tenure security and farm efficiency in Indian agriculture: Revisiting an old debate	2022	Land Use Policy	114				10.1016/j.landusopol.2021.105955	2648377
222	Choudhary A., Raj K., Mursaleen M.	Compact operators on spaces of binomial fractional difference sequences	2022	Mathematical Sciences	16	1	79	85	10.1007/s40096-021-00396-3	20081359

223	Hamid I., Alam M.S., Murshed M., Jena P.K., Sha N., Alam M.N.	The roles of foreign direct investments, economic growth, and capital investments in decarbonizing the economy of Oman	2022	Environmental Science and Pollution Research	29	15	22122	22138	10.1007/s11356- 021-17246-3	9441344
224	Singh H., Abouhawwash M., Mittal N., Salgotra R., Mahajan S., Kant Pandit A.	Performance evaluation of Non-Uniform circular antenna array using integrated harmony search with Differential Evolution based Naked Mole Rat algorithm	2022	Expert Systems with Applications	189				10.1016/j.eswa. 2021.116146	9574174
225	Singh S.K., Kaushik S.C., Tyagi V.V., Tyagi S.K.	Experimental and computational investigation of waste heat recovery from combustion device for household purposes	2022	International Journal of Energy and Environmental Engineering	13	1	353	364	10.1007/s40095- 021-00430-z	20089163
226	Popli S., Jha R.K., Jain S.	Green IoT: A Short Survey on Technical Evolution & Techniques	2022	Wireless Personal Communications	123	1	525	553	10.1007/s11277- 021-09142-3	9296212
227	Kothari R., Pandey A., Ahmad S., Singh H.M., Pathak V.V., Tyagi V.V., Kumar K., Sari A.	Utilization of Chlorella pyrenoidosa for Remediation of Common Effluent Treatment Plant Wastewater in Coupling with Co- relational Study: An Experimental Approach	2022	Bulletin of Environmental Contamination and Toxicology	108	3	507	517	10.1007/s00128- 021-03292-7	74861
228	Majhi P.K., Kothari R., Arora N.K., Pandey V.C., Tyagi V.V.	Impact of pH on Pollutational Parameters of Textile Industry Wastewater with Use of Chlorella pyrenoidosa at Lab-Scale: A Green Approach	2022	Bulletin of Environmental Contamination and Toxicology	108	3	485	490	10.1007/s00128- 021-03208-5	74861

229	Koul S., Jasrotia S.S., Mishra H.G.	Value Co-creation in Sharing Economy: Indian Experience	2022	Journal of the Knowledge Economy	13	1	387	405	10.1007/s13132-021-00741-w	18687865
230	Irfan Ul Haq M., Khuroo S., Raina A., Khajuria S., Javaid M., Farhan Ul Haq M., Haleem A.	3D printing for development of medical equipment amidst coronavirus (COVID-19) pandemic—review and advancements	2022	Research on Biomedical Engineering	38	1	305	315	10.1007/s42600-020-00098-0	24464732
231	Mahajan S., Raina A., Gao X.-Z., Pandit A.K.	COVID-19 detection using hybrid deep learning model in chest x-rays images	2022	Concurrency and Computation: Practice and Experience	34	5			10.1002/cpe.6747	15320626
232	Mahajan S., Nayyar A., Raina A., Singh S.J., Vashishtha A., Pandit A.K.	A Gaussian process-based approach toward credit risk modeling using stationary activations	2022	Concurrency and Computation: Practice and Experience	34	5			10.1002/cpe.6692	15320626
233	Sambyal K., Sharma P., Singh R.V.	Antimicrobial activity of chitooligosaccharides	2022	Chitooligosaccharides: Prevention and Control of Diseases			301	307	10.1007/978-3-030-92806-3_18	
234	Hekimoğlu G., Sari A., Gencel O., Tyagi V.V.	Thermal conductivity enhancement of silica fume based composite thermal energy storage material using different carbon nanomaterials	2022	Energy and Buildings	257				10.1016/j.enbuild.2021.111789	3787788

235	Tripathi N., Fazili M.M., Jahangir R.	Design and Analysis of Novel Non-Reversible & Reversible Parity Generator and Detector in Quantum Cellular Automata using Feynman Gate	2022	Micro and Nanosystems	14	3	256	262	10.2174/1876402913666210726170207	18764029
236	Trivedi M., Gupta A.	A lightweight deep learning architecture for the automatic detection of pneumonia using chest X-ray images	2022	Multimedia Tools and Applications	81	4	5515	5536	10.1007/s11042-021-11807-x	13807501
237	Sharma P., Singh P., Kamni	Study of synthesis mechanism, structural, optical and luminescent properties of bluish-violet rare earth doped K ₂ SrVO ₄ : Nd ³⁺ nano powders	2022	Materials Science and Engineering: B	276				10.1016/j.mseb.2021.115564	9215107
238	Akber N., Paltasingh K.R., Mishra A.K.	How can public policy encourage private investments in Indian agriculture? Input subsidies vs. public investment	2022	Food Policy	107				10.1016/j.foodpol.2021.102210	3069192
239	Singh S., Ganie A.H.	On a new picture fuzzy correlation coefficient with its applications to pattern recognition and identification of an investment sector	2022	Computational and Applied Mathematics	41	1			10.1007/s40314-021-01699-w	22383603
240	Singh P., Mishra R.K., Singh B.	Mechanical characterization of eggshell ash and boron carbide reinforced ZA-27 hybrid metal matrix composites	2022	Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science	236	3	1766	1779	10.1177/09544062211020043	9544062

241	Kichloo A.F., Raina A., Haq M.I.U., Wani M.S.	Impact of Carbon Fiber Reinforcement on Mechanical and Tribological Behavior of 3D-Printed Polyethylene Terephthalate Glycol Polymer Composites—An Experimental Investigation	2022	Journal of Materials Engineering and Performance	31	2	1021	1038	10.1007/s11665-021-06262-6	10599495
242	Dubey V., Sharma A.K., Singh B.	Optimization of machining parameters in chromium-additive mixed electrical discharge machining of the AA7075/5%B4C composite	2022	Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering	236	1	104	113	10.1177/09544089211031755	9544089
243	Gupta S., Gupta M.K.	A comprehensive data-level investigation of cancer diagnosis on imbalanced data	2022	Computational Intelligence	38	1	156	186	10.1111/coin.12452	8247935
244	Sharma S.	Environmental efficiency in South Asian agriculture: A potential of reducing CO2 emissions and fertilizers usage	2022	Journal of Public Affairs	22	1			10.1002/pa.2327	14723891
245	Sharma V.K.	CNTFET Circuit-Based Wide Fan-In Domino Logic for Low Power Applications	2022	Journal of Circuits, Systems and Computers	31	2			10.1142/S0218126622500360	2181266
246	Azam R., Kothari R., Singh H.M., Ahmad S., Sari A., Tyagi V.V.	Cultivation of two Chlorella species in Open sewage contaminated channel wastewater for biomass and biochemical profiles: Comparative lab-scale approach	2022	Journal of Biotechnology	344		24	31	10.1016/j.jbiotec.2021.11.006	1681656

247	Banerjee A., Sufian A., Paul K.K., Gupta S.K.	EDTP: Energy and Delay Optimized Trajectory Planning for UAV-IoT Environment	2022	Computer Networks	202				10.1016/j.comnet.2021.108623	13891286
248	Kaur K., Chakraborty S., Gupta M.K.	Accelerating Smith-Waterman Algorithm for Faster Sequence Alignment using Graphical Processing Unit	2022	Journal of Physics: Conference Series	2161	1			10.1088/1742-6596/2161/1/012028	17426588
249	Sharma D., Bhushan R.K.	Microstructure analysis of AA6082/Si3N4 and AA6082/SiC composites	2022	Aircraft Engineering and Aerospace Technology	94	2	154	162	10.1108/AEAT-08-2020-0165	17488842
250	Sangwan S., Sharma S.K., Sharma J.	Disclosing customers' intentions to use social media for purchase-related decisions	2022	Asia-Pacific Journal of Business Administration	14	1	145	160	10.1108/APJBA-02-2021-0061	17574323
251	Singh H.M., Raina S., Pathak A.K., Gorla K., Kothari R., Singh A., Pathak A., Anand S., Tyagi V.V.	Bioenergy: Technologies and Policy Trends	2022	Microorganisms for Sustainability	35		209	231	10.1007/978-981-19-2912-0_11	25121898
252	Raina S., Singh H.M., Kothari R., Singh A., Allen T., Pandey A.K., Tyagi V.V.	Biomass to Energy: Scope, Challenges and Applications	2022	Microorganisms for Sustainability	35		3	24	10.1007/978-981-19-2912-0_1	25121898

253	Gupta M., Jha R.K., Sabraj M.	Touch-Technology Middleware Interfacing in 6G Network	2022	International Symposium on Advanced Networks and Telecommunication Systems, ANTS	2022-December					10.1109/ANTS56424.2022.10227757	21531684
254	Dutta S., Khajuria A., Kumar S., Gupta V.	An Insight into Himalayan Vernacular Architecture: The Kath-Khuni Style of the Kullu Region, India	2022	ISVS e-journal	9	5	319	333			23202661
255	Wani O.A., Parthiban M., Bhat M.A., Mahdi S.S., Jan R., Bhat M.A., Bahar F.A., Ali Wani A.I., Kumar S.S.	Biochar: A New Emerging Tool to Mitigate Abiotic Stresses and Its Effect on Soil Properties	2022	Secondary Agriculture: Sustainability and Livelihood in India			97	108	10.1007/978-3-031-09218-3_9		
256	Khan Y.F., Kaushik B., Mir B.A.	COMPUTATIONAL INTELLIGENT MODELS FOR ALZHEIMER'S PREDICTION USING AUDIO TRANSCRIPT DATA	2022	Computing and Informatics	41	6	1589	1624	10.31577/cai_2022_6_1589		13359150
257	Sannigrahi S., Acharjee P.	Designing and Integration of EV Charging Stations in Reconfigured Distribution System	2022	Proceedings of 2022 6th International Conference on Condition Assessment Techniques in Electrical Systems, CATCON 2022			140	145	10.1109/CATCON56237.2022.10077678		
258	Tyagi A., Nazir M., Kumar K., Tyagi V.V., Kumar B.	Optimal Utilization of Reactive Power Capabilities of Distributed Solar PV Inverter	2022	2022 22nd National Power Systems Conference, NPSC 2022			30	34	10.1109/NPSC57038.2022.10070017		

259	Khan R.T., Rasool S.	Nanotechnology: a new strategy to combat bacterial infections and antibiotic resistant bacteria	2022	Nanotechnology and Human Health: Current Research and Future Trends			167	190	10.1016/B978-0-323-90750-7.00012-0	
260	Bhardwaj M., Rasool S.	Nanotechnology for the treatment of cancer: progress and challenges	2022	Nanotechnology and Human Health: Current Research and Future Trends			285	307	10.1016/B978-0-323-90750-7.00010-7	
261	Singh P., Boora K., Kumar V.	Optimization of Cascaded H-Bridge Multi-Level Inverter using Particle Swarm Optimization Technique for Reduction of THD	2022	4th International Conference on Emerging Research in Electronics, Computer Science and Technology, ICERECT 2022					10.1109/ICERECT56837.2022.10060264	
262	Koushal A., Gupta R., Jan F., Kamaldeep K., Kumar V.	Home Automation System Using ESP32 and Firebase	2022	PDGC 2022 - 2022 7th International Conference on Parallel, Distributed and Grid Computing			228	231	10.1109/PDGC56933.2022.10053309	
263	Jibran Z.A.P., Seetharamdoo D., Jha K.R.	Active Wideband Polarization Insensitive Absorber for Ku and K-Band	2022	2022 IEEE Microwaves, Antennas, and Propagation Conference, MAPCON 2022			1529	1534	10.1109/MAPCON56011.2022.10047525	
264	Waheed M., Jha K.R., Sharma S.K.	3-D Triple Band and Wideband Antenna for V2X Communications	2022	2022 IEEE Microwaves, Antennas, and Propagation Conference, MAPCON 2022			1222	1227	10.1109/MAPCON56011.2022.10046833	

265	Sardhalia M., Baru S., Gupta S., Shukla A.	Comparative Performance Study of Different Controllers for Speed Regulation of DC Motor	2022	2022 IEEE 10th Power India International Conference, PIICON 2022					10.1109/PIICON 56320.2022.10045232	
266	Sharma S., Chakraborty C., Singh D.P., Mahajan S., Pandit A.K.	Image-based automatic segmentation of leaf using clustering algorithm	2022	International Journal of Nanotechnology	19	06-Nov	539	553	10.1504/IJNT.2022.128939	14757435
267	Su L.-T., Raj K., Sharma S., Cai Q.-B.	Applications of relative statistical convergence and associated approximation theorem	2022	AIMS Mathematics	7	12	20838	20849	10.3934/MATH.20221142	24736988
268	Baru S., Gupta S., Shukla A.	Comparative Study of Controller Scheme and Tuning Methods	2022	2022 1st International Conference on Sustainable Technology for Power and Energy Systems, STPES 2022					10.1109/STPES54845.2022.10006584	
269	Sharma S., Kumar V., Sharma P., Gupta S., Shukla A.	SCADA Communication Protocols: Modbus & IEC 60870 - 5	2022	2022 1st International Conference on Sustainable Technology for Power and Energy Systems, STPES 2022					10.1109/STPES54845.2022.10006579	
270	Gupta R.S., Tyagi A., Anand S.	Identification and Prioritization of Barriers to Smooth Adoption of Electric Vehicles in India	2022	2022 1st International Conference on Sustainable Technology for Power and Energy Systems, STPES 2022					10.1109/STPES54845.2022.10006516	

271	Kumar S., Verma A., Verma P.K., Verma R.	A Comparative Study of Energy Efficient Collision Avoidance Protocols for WBAN	2022	2022 IEEE 6th Conference on Information and Communication Technology, CICT 2022					10.1109/CICT56698.2022.9997875	
272	Kour H., Khan S.S., Kour D., Singh S., Kumari S., Kaur M., Khan R.T., Yadav A.N.	Nanotechnologies for microbial inoculants as biofertilizers in the horticulture	2022	Sustainable Horticulture: Microbial Inoculants and Stress Interaction			201	261	10.1016/B978-0-323-91861-9.00007-0	
273	Raj K., Devi M., Mursaleen M.	Product-Type Operators Acting Between Dirichlet and Zygmund-Type Spaces	2022	Filomat	36	18	6051	6070	10.2298/FIL2218051R	3545180
274	Kour H., Gupta M.K.	Hybrid LSTM-TCN Model for Predicting Depression using Twitter Data	2022	2022 17th International Conference on Control, Automation, Robotics and Vision, ICARCV 2022			167	172	10.1109/ICARCV57592.2022.10004238	
275	Gupta A., Gupta S.K.	Intelligent Collaboration of Multi-Agent Flying UAV-Fog Networking for better QoS	2022	International Conference on Electrical, Computer, Communications and Mechatronics Engineering, ICECCME 2022					10.1109/ICECCME55909.2022.9987934	
276	Sharma V.K.	Structure for Demultiplexer in QCA Technology for Nanocommunication Systems	2022	International Conference on Electrical, Computer, Communications and Mechatronics Engineering, ICECCME 2022					10.1109/ICECCME55909.2022.9987794	

277	Kalidasan B., Pandey A.K., Rahman S., Samykano M., Tyagi V.V.	Optical absorptivity and thermal conductivity analysis of silver nanoparticle dispersed salt hydrate PCM	2022	2022 IEEE International Conference on Power and Energy: Advancement in Power and Energy Systems towards Sustainable and			328	332	10.1109/PECon54459.2022.9988812	
278	Chadha A., Gupta A., Kumar Y.	Suicidal Ideation Detection on Social Media: A Machine Learning Approach	2022	Proceedings of International Conference on Technological Advancements in Computational Sciences, ICTACS 2022			685	688	10.1109/ICTACS56270.2022.9988722	
279	Gupta A., Sharma R., Chadha A., Kumar Y.	Machine and Deep Learning Classifiers for Indic Scripts Recognition: Challenges and Research Perspective	2022	Proceedings of International Conference on Technological Advancements in Computational Sciences, ICTACS 2022			695	699	10.1109/ICTACS56270.2022.9988608	
280	Boora K., Kumar A., Malhotra I., Kumar V.	Harmonic reduction using Particle Swarm Optimization based SHE Modulation Technique in Asymmetrical DC-AC Converter	2022	International Journal of Electrical and Computer Engineering Systems	13	10	867	875	10.32985/ijeces.13.10.10	18476996
281	Raj K., Choudhary A., Aiyub M., Sharma S.	Applications of Fibonacci matrix to characterize some Banach spaces through weakly unconditional Cauchy series	2022	Italian Journal of Pure and Applied Mathematics	48		1049	1059		11268042
282	Raina S., Tewari A.K.	An Intuitive Relationship Between Existential Psychoanalysis and Evolutionary Biology via Empirical Psychoanalysis [Intuitivni odnos između egzistencijalne psihoanalize i evolucionarne biologije kroz empirijsku psihoanalizu]	2022	Obnovljeni Zivot	77	4	535	546	10.31337/oz.77.4.8	3513947

283	Pandey M., Gupta A.	An approach to remove extraneous slices from CT for kidney segmentation	2022	Proceedings of 2022 1st IEEE International Conference on Industrial Electronics: Developments and Applications, ICIDeA			116	121	10.1109/ICIDeA53933.2022.9970062	
284	Khan Y.F., Kaushik B., Khalid Imam Rahmani M., Ahmed M.E.	HSI-LFS-BERT: Novel Hybrid Swarm Intelligence Based Linguistics Feature Selection and Computational Intelligent Model for Alzheimer's Prediction Using Audio Transcript	2022	IEEE Access	10		126990	127004	10.1109/ACCESS.2022.3223681	21693536
285	Raina S.S., Das A.K.	Some Variants of Normality in Relative Topological Spaces	2022	Filomat	36	12	4241	4249	10.2298/FIL2212241R	3545180
286	Shah R., Bhat A., Qadri R.A., Kumar R.	Immunogenetic mechanisms in the treatment of cancer	2022	Immunogenetics: a Molecular and Clinical Overview: Clinical Applications of Immunogenetics, Volume II	2		321	338	10.1016/B978-0-323-90250-2.00014-5	
287	Anjalideep K., Kumar H., Srivastava S., Sharma V.K.	QCA-based Single-bit Comparator Circuit	2022	3rd International Conference on Smart Electronics and Communication, ICOSEC 2022 - Proceedings			328	332	10.1109/ICOSEC54921.2022.9952090	
288	Goria K., Bharti A., Raina S., Kothari R., Tyagi V.V., Singh H.M., Kour G.	Low-cost adsorbent biomaterials for the remediation of inorganic and organic pollutants from industrial wastewater: Eco-friendly approach	2022	Sustainable Materials for Sensing and Remediation of Noxious Pollutants			87	112	10.1016/B978-0-323-99425-5.00004-9	

289	Chadha A., Kaushik B.	Performance Evaluation of Learning Models for Identification of Suicidal Thoughts	2022	Computer Journal	65	1	139	154	10.1093/comjnl/bxab060	104620
290	Chopra C., Bhushan I., Mehta M., Koushal T., Gupta A., Sharma S., Kumar M., Khodor S.A., Sharma S.	Vaginal microbiome: considerations for reproductive health	2022	Future Microbiology	17	18	1501	1513	10.2217/fmb-2022-0112	17460913
291	Raj K., Saini K., Mursaleen M.	APPLICATIONS OF THE FRACTIONAL DIFFERENCE OPERATOR FOR STUDYING EULER STATISTICAL CONVERGENCE OF SEQUENCES OF FUZZY REAL NUMBERS AND ASSOCIATED KOROVKIN-TYPE THEOREMS	2022	Problemy Analiza	Nov-29	3	91	108	10.15393/j3.art.2022.11770	23063424
292	Sangwan S., Sharma S.K.	Social media communication and consumer decision making: an empirical perspective	2022	International Journal of Electronic Marketing and Retailing	13	4	391	410	10.1504/IJEMR.2022.125589	17411025
293	Javaid M., Haleem A., Khan I.H., Singh R.P., Suman R., Mohan S.	Significant Features and Applications of Drones for Healthcare: An Overview	2022	Journal of Industrial Integration and Management					10.1142/S2424862222500245	24248622
294	Javaid M., Haleem A., Singh R.P., Rab S., Ul Haq M.I., Raina A.	Internet of Things in the global healthcare sector: Significance, applications, and barriers	2022	International Journal of Intelligent Networks	3		165	175	10.1016/j.ijin.2022.10.002	26666030

295	Campbell E., Alfaro-Shigueto J., Aliaga-Rossel E., Beasley I., Briceño Y., Caballero S., da Silva V.M.F., Gilleman C.,	Challenges and priorities for river cetacean conservation	2022	Endangered Species Research	49		13	42	10.3354/esr01201	18635407
296	Pandit Jibran Z.A., Seetharamdoo D., Jha K.R.	Polarization Insensitive Tunable AFSS with Wide Tuning Range	2022	2022 IEEE International Symposium on Antennas and Propagation and USNC-URSI Radio Science Meeting, AP-S/URSI 2022 - Proceedings			1378	1379	10.1109/AP-S/USNC-URSI47032.2022.9886624	
297	Kumar A., Malhotra I., Kumar N.	Dalit Humanism: Marginal Spatial Reality as a Site of Dalit Counterpublic in Bama's Sangati and Tulsiram's Murdahiya	2022	Contemporary Voice of Dalit					10.1177/2455328X221125602	2455328X
298	Gupta V., Verma S.K., Anand S., Jameel A., Anand Y.	Transient isogeometric heat conduction analysis of stationary fluid in a container	2022	Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering					10.1177/09544089221125718	9544089
299	Sharma S.S.	The Notion of Diagrammatic Isomorphism in Venn-Peirce Diagrams	2022	Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)	13462 LNAI		321	328	10.1007/978-3-031-15146-0_27	3029743
300	Kumar S., Chaube M.K., Nenavath S.N., Gupta S.K., Tetarave S.K.	Privacy preservation and security challenges: a new frontier multimodal machine learning research	2022	International Journal of Sensor Networks	39	4	227	245	10.1504/ijsn.2022.125113	17481279

301	Dar A.B.	On the Sustainable Nexus between Oil Prices and Aviation Stocks	2022	Sustainable Operations and Computers	3		168	175	10.1016/j.susoc.2022.01.004	26664127
302	Elhazmiri B., Naveed N., Anwar M.N., Haq M.I.U.	The role of additive manufacturing in industry 4.0: An exploration of different business models	2022	Sustainable Operations and Computers	3		317	329	10.1016/j.susoc.2022.07.001	26664127
303	Singh H.M., Tyagi V.V., Gorla K., Raina S., Kothari R., Azam R., Arora N.K.	Biodiesel from oleaginous fungi, bacteria, and yeast produced using waste substrates	2022	Waste and Biodiesel: Feedstocks and Precursors for Catalysts			73	91	10.1016/B978-0-12-823958-2.00004-5	
304	Sharma S.S.	Incommensurability and Inapplicability of the Squares of Opposition	2022	Studies in Universal Logic			89	107	10.1007/978-3-030-90823-2_4	22970282
305	Ashok M., Gupta A.	Comparative Study of TRANS - GAN Architecture for Bio-Medical Image Semantic Segmentation	2022	7th International Conference on Communication and Electronics Systems, ICCES 2022 - Proceedings			1564	1570	10.1109/ICCES54183.2022.9835992	
306	Kari L., Mahalingam K., Pandoh P., Wang Z.	PRIMITIVITY OF ATOM WATSON-CRICK FIBONACCI WORDS	2022	Journal of Automata, Languages and Combinatorics	27	01-Mar	151	178	10.25596/jalc-2022-151	1430189X

307	Raina R., Jha R.K.	Intelligent and Interactive Healthcare System (I2HS) Using Machine Learning	2022	IEEE Access	10		116402	116424	10.1109/ACCESS.2022.3197878	21693536
308	Kaur K., Sagar A.K., Chakraborty S., Gupta M.K.	Accelerating the Performance of Sequence Classification Using GPU Based Ensemble Learning with Extreme Gradient Boosting	2022	Communications in Computer and Information Science	1613 CCIS		257	268	10.1007/978-3-031-12638-3_22	18650929
309	Soodan B.S., Kumar R.	A single server queuing system with correlated reneging and feedback of served customers	2022	Communications in Statistics - Theory and Methods	51	18	6461	6475	10.1080/03610926.2020.1861300	3610926
310	Garg R., Sharma A.K., Kamal M.A.	RESTRUCTURING ARCHITECTURAL EDUCATION POST COVID-19: PROFESSIONAL PRACTICE AND CONSTRUCTION INDUSTRY EXPECTATIONS	2022	Architecture and Engineering	7	2	29	41	10.23968/2500-0055-2022-7-2-29-41	25000055
311	Raj K., Aiyub M., Saini K.	LINEAR ISOMORPHIC EULER FRACTIONAL DIFFERENCE SEQUENCE SPACES AND THEIR TOEPLITZ DUALS	2022	Journal of Applied Mathematics and Informatics	40	03-Apr	657	668	10.14317/jami.2022.657	27341194
312	Khajuria A., Sharma S.K., Raina D.	Measuring level of performance of public transport sector: a case of India	2022	International Journal of Productivity and Quality Management	36	1	66	92	10.1504/IJPQM.2022.124384	17466474

313	Bindra S., Sharma D., Achhnani B., Mishra H.G., Ongsakul V.	Critical factors for knowledge management implementation: a TISM validation	2022	Journal for International Business and Entrepreneurship Development	14	1	125	144	10.1504/JIBED.2022.124244	15499324
314	Sharma D., Dwivedi A.V.	The other side of the coin: Towards a narrative analysis of Dogri folk tales	2022	International Journal of Intangible Heritage	17		55	70		19753586
315	Arora C., Sharma R., Rehalia A., Bhardwaj A.	An eco-epidemic mathematical model with migration	2022	Journal of Interdisciplinary Mathematics	25	5	1479	1486	10.1080/02522667.2022.2036353	9720502
316	Rouf S., Malik A., Singh N., Raina A., Naveed N., Siddiqui M.I.H., Haq M.I.U.	Additive manufacturing technologies: Industrial and medical applications	2022	Sustainable Operations and Computers	3		258	274	10.1016/j.susoc.2022.05.001	26664127
317	Chaturvedi I., Jandyal A., Wazir I., Raina A., Ul Haq M.I.	Biomimetics and 3D printing - Opportunities for design applications	2022	Sensors International	3				10.1016/j.sintl.2022.100191	26663511
318	Sharma K., Bhat V.K.	ON THE ORBITS OF SOME METABELIAN GROUPS	2022	Turkish World Mathematical Society Journal of Applied and Engineering Mathematics	12	3	799	807		21461147

319	Kour D., Khan S.S., Kour H., Kaur T., Devi R., Rai P.K., Judy C., McQuestion C., Bianchi A., Spells S., Mohan R., Rai	Microbe-mediated bioremediation: Current research and future challenges	2022	Journal of Applied Biology and Biotechnology	10		6	24	10.7324/JABB.2022.10s202	2347212X
320	Vaibhavi, Khanna S., Gupta S.K., Vakil Z., Najim M., Dwivedi R.P.	Electronic Control Unit Based Stolen Vehicle Tracking System [Система стеження за викраденими автомобілями на основі електронного блоку керування]	2022	Journal of Nano- and Electronic Physics	14	3			10.21272/jnep.14(3).03011	20776772
321	Raina R., Jha R.K., Suri A.	Q-Learning based Intelligent and Interactive Healthcare System	2022	Proceedings - 2022 IEEE 11th International Conference on Communication Systems and Network Technologies, CSNT 2022			253	256	10.1109/CSNT54456.2022.9787591	
322	Mohan S., Anand A., Kumar R., Kamal M.	The Role of Postural Assessment Techniques in Different workplaces—A Review	2022	Lecture Notes in Networks and Systems	391		1751	1761	10.1007/978-3-030-94277-9_149	23673370
323	Chakraborty A., Verma A., Verma P.K., Verma R.	Performance Evaluation of a Hybrid-MAC Protocol for Small Sensor M2M Devices	2022	Lecture Notes in Electrical Engineering	862		483	493	10.1007/978-981-19-0252-9_44	18761100
324	Gondhi N.K., Chaahat, Sharma E., Alharbi A.H., Verma R., Shah M.A.	Efficient Long Short-Term Memory-Based Sentiment Analysis of E-Commerce Reviews	2022	Computational Intelligence and Neuroscience	2022				10.1155/2022/3464524	16875265

325	Ganie J.A., Jha K.R., Sharma S.K.	Sub-1 GHz and sub-6 GHz reconfigurable MIMO antenna with 28 GHz array on shared chassis for user equipment's (UEs)	2022	Journal of Electromagnetic Waves and Applications	36	17	2473	2482	10.1080/092050 71.2022.208991 6	9205071
326	Goria K., Kothari R., Singh A., Singh H.M., Tyagi V.V.	Biohydrogen: potential applications, approaches, and hurdles to overcome	2022	Handbook of Biofuels			399	418	10.1016/B978-0- 12-822810- 4.00020-8	
327	Singh K., Singh H., Vardhan S., Mohan S.	An overview on the synthesis of aluminium matrix composites using stir casting technique	2022	Materials Today: Proceedings	60		868	872	10.1016/j.matpr .2021.09.509	22147853
328	Singh G., Singh H., Singh K., Vardhan S., Mohan S.	Mechanical characterizations of the fabricated AA 6061 based composites reinforced with B4C particulates	2022	Materials Today: Proceedings	60		1086	1089	10.1016/j.matpr .2022.01.381	22147853
329	Khan Y.F., Kaushik B., Mir B.A., Verma R., Khandelwal H.	Transfer Learning-Assisted Prognosis of Alzheimer's Disease and Mild Cognitive Impairment Using Structural-MRI	2022	International Conference on Emerging Trends in Engineering and Technology, ICETET	2022- April				10.1109/ICETET- SIP- 2254415.2022.9 791559	21570477
330	Sharma V.K., Dhillon A., Sharma M.	Multi-functional Reversible Logic Gate using QCA Nanotechnology	2022	2022 6th International Conference on Trends in Electronics and Informatics, ICOEI 2022 - Proceedings			107	111	10.1109/ICOEI53 556.2022.97766 83	

331	Singh Y., Sharma S.K., Hazra P.	Mathematical analysis of one-dimensional lead sulphide crystal structure using molecular graph theory	2022	Molecular Physics	120	12			10.1080/00268976.2022.2086933	268976
332	Kumar Pathak S., Tyagi V.V., Chopra K., Kumar Sharma R.	Recent development in thermal performance of solar water heating (SWH) systems	2022	Materials Today: Proceedings	63		778	785	10.1016/j.matpr.2022.05.502	22147853
333	Sharma D.K., Singh S., Ganie A.H.	Distance-Based Knowledge Measure of Hesitant Fuzzy Linguistic Term Set With Its Application in Multi-Criteria Decision Making	2022	International Journal of Fuzzy System Applications	11	1			10.4018/IJFSA.292460	2156177X
334	Maqsood Z., Gupta M.K.	Automatic Detection of Diabetic Retinopathy on the Edge	2022	Lecture Notes in Networks and Systems	370		129	139	10.1007/978-981-16-8664-1_12	23673370
335	Kour H., Gupta M.K.	Depression and Suicide Prediction Using Natural Language Processing and Machine Learning	2022	Lecture Notes in Networks and Systems	370		117	128	10.1007/978-981-16-8664-1_11	23673370
336	Singh S.K., Khan S., Mishra R.K.	Extraction and Characterization of Nano Fibers from Cotton Fibers and Its Composite	2022	Journal of Natural Fibers	19	16	14788	14802	10.1080/15440478.2022.2069184	15440478

337	Pandit A.K., Vashishtha A., Sumbria S., Mahajan S.	An Unsupervised Learning Approach Towards Credit Risk Modelling Using DFT Features and Gaussian Mixture Models	2022	Lecture Notes in Networks and Systems	430		1	8	10.1007/978-981-19-0825-5_1	23673370
338	Gupta M., Mahajan S., Bhardwaj A.K., Pandit A.K.	Improvement in Breast Cancer Detection Using Deep Learning	2022	Lecture Notes in Networks and Systems	430		17	32	10.1007/978-981-19-0825-5_3	23673370
339	Ahmed F., Dar A.B., Sharma R.L.	Financial Inclusion in the BRICS—Evidence from the World Bank’s Latest Findex Survey	2022	Journal of Wealth Management	25	1	105	121	10.3905/jwm.2022.1.169	15347524
340	Raj K., Sharma S., Choudhary A.	ORLICZ DIFFERENCE TRIPLE LACUNARY IDEAL SEQUENCE SPACES OVER n-NORMED SPACES	2022	Annals of the Academy of Romanian Scientists: Series on Mathematics and its Applications	14	01-Feb	90	106		20665997
341	Sharma B.	Dalit Women: Narratives of Vulnerability, Violence, and a Culture of Impunity	2022	Journal of International Women's Studies	23	6	1	15		15398706
342	Sharma B., Raj K.B., Arora T.	Introduction to the Special Issue: Transnational Feminism-Contexts, Collaborations, Contestations: Toward A Liveable Planet: Select Papers from the 7th World Conference on Women’s Studies	2022	Journal of International Women's Studies	23	6	1	4		15398706

343	Singh Y., Singh S.K., Hazra P.	Future Prospect of Rare Earth Element Free Materials for Thermoelectric Generators	2022	ECS Transactions	107	1	453	464	10.1149/10701.0453ecst	19386737
344	Khan M.N., Sinha A.K.	Cloud computing leads towards sustainable supply chain management	2022	ECS Transactions	107	1	16573	16579	10.1149/10701.16573ecst	19386737
345	Kumar K., Abouhawwash M., Pandit A.K., Mahajan S., Hogo M.A.	High-Efficiency Video Coder in Pruned Environment Using Adaptive Quantization Parameter Selection	2022	Computers, Materials and Continua	73	1	1977	1993	10.32604/cmc.2022.027850	15462218
346	Singh H.M., Raina S., Tyagi V.V., Kothari R.	Microbial bioprospecting for biorefinery application: Bottlenecks and sustainability	2022	Bioprospecting of Microbial Diversity: Challenges and Applications in Biochemical Industry, Agriculture and			277	296	10.1016/B978-0-323-90958-7.00004-2	
347	Chaturvedi M.M.	Fatalism, Foreknowledge and Free Will	2022	Obnovljeni Zivot	77	1	7	17	10.31337/oz.77.1.1	3513947
348	Raj K., Saini K., Sawhney N.	RIESZ LACUNARY SEQUENCE SPACES OF FRACTIONAL DIFFERENCE OPERATOR	2022	Kragujevac Journal of Mathematics	46	2	283	294	10.46793/kgjmat2202.283r	14509628

349	Kumar A., Thakare A., Bhende M., Sinha A.K., Alguno A.C., Kumar Y.P.	Identification and Classification of Depressed Mental State for End-User over Social Media	2022	Computational Intelligence and Neuroscience	2022				10.1155/2022/8755922	16875265
350	Sharma D.	Application of artificial intelligence techniques in the operation of neutral-point clamped rectifier under perturbed conditions	2022	International Journal of Power Electronics	15	03-Apr	334	350	10.1504/IJPELEC.2022.122415	1756638X
351	Baru S., Deep K., Sharma H.	Arduino-based fault distance locator for subterranean cable detection	2022	2022 International Mobile and Embedded Technology Conference, MECON 2022			117	120	10.1109/MECON53876.2022.9752034	
352	Tiwari K.K., Bhoulal S., Kumar S., Onyango R.	Assessing the Effect of Nonresponse and Measurement Error Using a Novel Class of Efficient Estimators	2022	Journal of Mathematics	2022				10.1155/2022/4946265	23144629
353	Sharma S., Bhat V.K.	Vertex resolvability of convex polytopes with n-paths of length p	2022	International Journal of Computer Mathematics: Computer Systems Theory	7	2	129	138	10.1080/23799927.2022.2059012	23799927
354	Kour G., Majhi P.K., Bharti A., Kothari R., Jain A., Singh A., Tyagi V.V., Pathania D.	Biopolymer-Based Nanocomposites and Water Treatment: A Global Outlook	2022	ACS Symposium Series	1411		25	42	10.1021/bk-2022-1411.ch002	976156

355	Johri N., Agarwal G., Mishra R.K., Thakur H.C.	FEM analysis of polymeric hybrid composites	2022	Materials Today: Proceedings			383	390	10.1016/j.matpr .2021.12.248	22147853
356	Abrol V., Mallubhotla S., Jaglan S.	Technological Interventions in Management of Hg Contaminated Water	2022	Research Anthology on Emerging Techniques in Environmental Remediation			407	418	10.4018/978-1- 6684-3714- 8.ch021	
357	Bhat S.M., Ahmed S., Kakkar V.	Quantum Dot Cellular Automata-Based Design of 4 × 4 TKG Gate and Multiplier with Energy Dissipation Analysis	2022	Lecture Notes in Electrical Engineering	855		809	825	10.1007/978- 981-16-8892- 8_61	18761100
358	Singh H., Singh K., Vardhan S., Mohan S.	A comprehensive review on the new developments consideration in a stir casting processing of aluminum matrix composites	2022	Materials Today: Proceedings	60		974	981	10.1016/j.matpr .2021.12.359	22147853
359	Yadav A., Sharma V.K.	Alcohol Dispenser with Finger Print Security	2022	Proceedings - IEEE International Conference on Advances in Computing, Communication and Applied Informatics,					10.1109/ACCAI5 3970.2022.9752 627	
360	Riyaz S., Nashit Rabeet M., Kumar Sharma V.	Reversible code converters in QCA nanotechnology	2022	Materials Today: Proceedings	63		440	446	10.1016/j.matpr .2022.03.446	22147853

361	Bobbinpreet, Aljahdali S., Sharma T., Goyal B., Dogra A., Mahajan S., Pandit A.K.	MRMR Based Feature Vector Design for Efficient Citrus Disease Detection	2022	Computers, Materials and Continua	72	3	4771	4787	10.32604/cmc.2022.023150	15462218
362	Laghari I.A., Samykano M., Pandey A.K., Said Z., Kadrigma K., Tyagi V.V.	Thermal conductivity and Thermal properties enhancement of Paraffin/ Titanium Oxide based Nano enhanced Phase change materials for Energy storage	2022	2022 Advances in Science and Engineering Technology International Conferences, ASET 2022					10.1109/ASET53988.2022.9735037	
363	Kumar R.R., Samykano M., Pandey A.K., Said Z., Kadrigama K., Tyagi V.V.	Experimental Investigations on Thermal Properties of Copper (II) Oxide Nanoparticles Enhanced Inorganic Phase Change Materials for Solar Thermal Energy Storage Applications	2022	2022 Advances in Science and Engineering Technology International Conferences, ASET 2022					10.1109/ASET53988.2022.9734898	
364	Pawar C.A., Sharma A.K., Prasad N.R., Suryawanshi S.S., Nazeruddin G.M., Shaikh V.S., Kulkarni A.N., Al-Sehemi	A comparative study on anti-microbial efficacies of biologically synthesized nano gold using Bos taurus indicus urine with pharmaceutical drug sample	2022	Current Research in Green and Sustainable Chemistry	5				10.1016/j.crgsc.2022.100311	26660865
365	Gupta V., Singh P., Singh B., Mishra R.K.	Vegetable oil based dielectric fluids for electrical discharge Machining Process: Advancements and challenges	2022	Materials Today: Proceedings	62		3129	3132	10.1016/j.matpr.2022.03.395	22147853
366	Khan Y.F., Kaushik B.	Neuroimaging (Anatomical MRI)-Based Classification of Alzheimer's Diseases and Mild Cognitive Impairment Using Convolution Neural Network	2022	Lecture Notes on Data Engineering and Communications Technologies	106		77	87	10.1007/978-981-16-8403-6_7	23674512

367	Gupta S.	Automated Diagnosis of Breast Cancer: An Ensemble Approach	2022	Lecture Notes on Data Engineering and Communications Technologies	106		207	217	10.1007/978-981-16-8403-6_18	23674512
368	Tripathi N., Fazili M.M., Singh A., Shivam, Pangotra S.	Design and Analysis of Area and Energy-Efficient Quantum-Dot Half Adder Using Intercellular Interaction Technique	2022	Lecture Notes on Data Engineering and Communications Technologies	106		679	686	10.1007/978-981-16-8403-6_62	23674512
369	Singh P., Gupta V., Mishra R.K., Singh B.	Mechanical and tribological behaviour of aluminium based functionally graded materials: A review	2022	Materials Today: Proceedings	62		3081	3085	10.1016/j.matpr.2022.03.237	22147853
370	Aggarwal A., Chakradar M., Bhatia M.S., Kumar M., Stephan T., Gupta S.K., Alsamhi S.H., Al-Dois H.	COVID-19 Risk Prediction for Diabetic Patients Using Fuzzy Inference System and Machine Learning Approaches	2022	Journal of Healthcare Engineering	2022				10.1155/2022/4096950	20402295
371	Khan Y.F., Kaushik B., Rahmani M.K.I., Ahmed M.E.	Stacked Deep Dense Neural Network Model to Predict Alzheimer's Dementia Using Audio Transcript Data	2022	IEEE Access	10		32750	32765	10.1109/ACCESS.2022.3161749	21693536
372	Kalsotra R., Arora S.	Superpixels-Guided Background Modeling Approach for Foreground Detection	2022	Lecture Notes in Electrical Engineering	832		305	315	10.1007/978-981-16-8248-3_25	18761100

373	Maqsood Z., Gupta M.K.	Deep Learning in IoT and Edge/Fog Integrated Environments: A Review	2022	Lecture Notes in Electrical Engineering	832		369	377	10.1007/978-981-16-8248-3_30	18761100
374	Kour H., Gupta M.K.	Recent Techniques for Sentiment Analysis on Medical Data to Predict Depression: A Review	2022	Lecture Notes in Electrical Engineering	832		379	389	10.1007/978-981-16-8248-3_31	18761100
375	Gupta S., Gupta M.K.	A Review on Machine Learning Techniques for the Diagnosis of Cancer	2022	Lecture Notes in Electrical Engineering	832		289	296	10.1007/978-981-16-8248-3_23	18761100
376	Kour V.P., Arora S.	PlantaeK: A Leaf Database of Native Plants of Jammu and Kashmir	2022	Lecture Notes in Electrical Engineering	832		359	368	10.1007/978-981-16-8248-3_29	18761100
377	Saravanan G., Parkhe S.S., Thakar C.M., Kulkarni V.V., Mishra H.G., Gulothungan G.	Implementation of IoT in production and manufacturing: An Industry 4.0 approach	2022	Materials Today: Proceedings	51		2427	2430	10.1016/j.matpr.2021.11.604	22147853
378	Gupta A., Gupta S.K.	UAV Aided Fog Network (UAFN): A Proposal Framework for Better QoS	2022	Proceedings of 2022 2nd International Conference on Computing and Information Technology, ICCIT 2022			265	270	10.1109/ICCIT52419.2022.9711624	

379	Khan A., Gupta S., Gupta S.K.	Cooperative Control between Multi-UAVs for Maximum Coverage in Disaster Management: Review and Proposed Model	2022	Proceedings of 2022 2nd International Conference on Computing and Information Technology, ICCIT 2022			271	277	10.1109/ICCIT52419.2022.9711627	
380	Raj K., Sharma C., Jasrotia S.	ORLICZ–LACUNARY CONVERGENT DOUBLE SEQUENCES AND THEIR APPLICATIONS TO STATISTICAL CONVERGENCE	2022	Khayyam Journal of Mathematics	8	1	102	114	10.22034/kjm.2021.272612.2173	24234788
381	Puri A., Gupta M.K.	Improved Hybrid Bag-Boost Ensemble with K-Means-SMOTE-ENN Technique for Handling Noisy Class Imbalanced Data	2022	Computer Journal	65	1	124	138	10.1093/comjnl/bxab039	104620
382	Bhagat K., Suri A.	Hybrid Beamforming for Massive MIMO Antennas Under 6 GHz Mid-Band	2022	Lecture Notes on Data Engineering and Communications Technologies	101		1007	1023	10.1007/978-981-16-7610-9_73	23674512
383	Sharma K., Bhat V.K., Sharma S.K.	Edge Metric Dimension and Edge Basis of One-Heptagonal Carbon Nanocone Networks	2022	IEEE Access	10		29558	29566	10.1109/ACCESS.2022.3158982	21693536
384	Venkata Lakshmi Y., Singh P., Abouhawwash M., Mahajan S., Pandit A.K., Ahmed A.B.	Improved Chan Algorithm Based Optimum UWB Sensor Node Localization Using Hybrid Particle Swarm Optimization	2022	IEEE Access	10		32546	32565	10.1109/ACCESS.2022.3157719	21693536

385	Sharma S., Kaushik B.	Applications and Challenges in Internet of Vehicles: A Survey	2022	Lecture Notes in Electrical Engineering	825		55	65	10.1007/978-981-16-7637-6_6	18761100
386	Naz S.F., Riyaz S., Sharma V.K.	A Review of QCA Nanotechnology as an Alternate to CMOS	2022	Current Nanoscience	18	1	18	30	10.2174/1573413717666210301111822	15734137
387	Thappa A., Sharma A.K., Kumar S.	Understanding Vernacular Architecture in terms of Sustainability: Lessons from Turkey and India	2022	ISVS e-journal	9	1				23202661
388	Jasrotia S.S., Kamila M.K., Chib S., Mishra H.G.	Role of engagement in online gaming: a study of generation Z customers	2022	Digital Creativity	33	1	64	76	10.1080/14626268.2022.2033272	14626268
389	Kumar S., Gupta S., Arora S., Kumar S.	A comparative simulation of normalization methods for machine learning-based intrusion detection systems using KDD Cup'99 dataset	2022	Journal of Intelligent and Fuzzy Systems	42	3	1749	1766	10.3233/JIFS-211191	10641246
390	Sharma M., Gupta A., Gupta S.K., Alsamhi S.H., Shvetsov A.V.	Survey on Unmanned Aerial Vehicle for Mars Exploration: Deployment Use Case	2022	Drones	6	1			10.3390/drones6010004	2504446X

391	Mohanty M.N., Mahapatra S., Satrusallya S., Pandit A.K.	Design of High Gain and Low Side Lobe Smart Antenna Array for IoT Applications on Human Monitoring	2022	EAI/Springer Innovations in Communication and Computing			267	283	10.1007/978-3- 030-76636-8_21	25228595
392	Pandey M., Pandey S., Kumar A.	Introduction to Federated Learning	2022	EAI/Springer Innovations in Communication and Computing			1	17	10.1007/978-3- 030-85559-8_1	25228595
393	Mahajan S., Mittal N., Salgotra R., Masud M., Alhumyani H.A., Pandit A.K.	An Efficient Adaptive Salp Swarm Algorithm Using Type II Fuzzy Entropy for Multilevel Thresholding Image Segmentation	2022	Computational and Mathematical Methods in Medicine	2022				10.1155/2022/2 794326	1748670X
394	Sharma P., Kaul A., Garg M.L.	Routing Stability Important Factor in Streaming in VANETS	2022	Lecture Notes on Data Engineering and Communications Technologies	93		629	637	10.1007/978- 981-16-6605- 6_47	23674512
395	Shafi M., Jha R.K.	Artificial Dust Based Attack Modelling: A Threat to the Security of Next Generation WCN	2022	IEEE Transactions on Network Science and Engineering	9	6	4001	4016	10.1109/TNSE.2 021.3140078	23274697
396	Sharma R., Kaushik B., Gondhi N.K., Tahir M., Rahmani M.K.I.	Quantum Particle Swarm Optimization Based Convolutional Neural Network for Handwritten Script Recognition	2022	Computers, Materials and Continua	71	2	5855	5873	10.32604/cmc.2 022.024232	15462218

397	Wani S.N., Mohan S., Kamal M.	Engineering and Ergonomics—An Important Aspect in Fruit Harvesting Systems	2022	Lecture Notes in Mechanical Engineering			1453	1461	10.1007/978-981-16-2794-1_123	21954356
398	Anand A., Sinha A.K., Tak F.I., Tak A.A., Khan R.A.	A New Approach for Sustainability-Based Material Selection Model of Toxic Chemicals in Manufacturing Domain	2022	Lecture Notes in Mechanical Engineering			629	639	10.1007/978-981-16-2794-1_55	21954356
399	Gurpreet Singh Bali S., Singh G., Singh B., Mohan S.	Improvement in Overall Equipment Effectiveness in Manufacturing Industry Using Autonomous Maintenance	2022	Lecture Notes in Mechanical Engineering			455	468	10.1007/978-981-16-2794-1_41	21954356
400	Sharma S., Mahajan P., Mohan S.	Study of High-Velocity Oxy-fuel Coating Technique and Fe-Based High-Velocity Oxy-fuel Coatings	2022	Lecture Notes in Mechanical Engineering			649	661	10.1007/978-981-16-2794-1_57	21954356
401	Majhi P.K., Azam R., Kothari R., Arora N.K., Tyagi V.V.	Impact of Flow Rate in Integration with Solar Radiation on Color and COD Removal in Dye Contaminated Textile Industry Wastewater: Optimization Study	2022	Energy Engineering: Journal of the Association of Energy Engineering	119	1	419	427	10.32604/EE.2022.016973	1998595
402	Singh R., Rehman A.U., Masud M., Alhumyani H.A., Mahajan S., Pandit A.K., Agarwal P.	Fractional order modeling and analysis of dynamics of stem cell differentiation in complex network	2022	AIMS Mathematics	7	4	5175	5198	10.3934/math.2022289	24736988

403	Singh H., Singh K., Vardhan S., Mohan S., Singh G.	A comprehension review of dry sliding wear on aluminum matrix composites	2022	Materials Today: Proceedings	58		886	894	10.1016/j.matpr.2021.11.312	22147853
404	Gupta S., Gupta M.K., Kumar R.	A Novel Multi-Neural Ensemble Approach for Cancer Diagnosis	2022	Applied Artificial Intelligence	36	1			10.1080/08839514.2021.2018182	8839514
405	Kumar N., Kumar M., Singh V., Mittal D.A., Priyamvada	A Low Power 3-Stage Ring Voltage Controlled Oscillator with Wide Tuning Range and Active Load	2022	Lecture Notes in Electrical Engineering	777		657	667	10.1007/978-981-16-2761-3_59	18761100
406	Sharma A., Sharma L., Ganguly R.	Quantification of Municipal Solid Waste and Effect of Open Dumping on Soil in Smart City Dharamshala, Himachal Pradesh	2022	Lecture Notes in Civil Engineering	196		913	926	10.1007/978-981-16-6557-8_74	23662557
407	Sharma S., Bhat V.K.	Fault-tolerant metric dimension of zero-divisor graphs of commutative rings	2022	AKCE International Journal of Graphs and Combinatorics	19	1	24	30	10.1080/09728600.2021.2009746	9728600
408	Jain P., Chawla P., Masud M., Mahajan S., Pandit A.K.	Automated identification algorithm using cnn for computer vision in smart refrigerators	2022	Computers, Materials and Continua	71	2	3337	3353	10.32604/cmc.2022.023053	15462218

409	Anand V., Gupta S., Koundal D., Mahajan S., Pandit A.K., Zaguia A.	Deep learning based automated diagnosis of skin diseases using dermoscopy	2022	Computers, Materials and Continua	71	2	3145	3160	10.32604/cmc.2022.022788	15462218
410	Jandyal A., Chaturvedi I., Wazir I., Raina A., Ul Haq M.I.	3D printing – A review of processes, materials and applications in industry 4.0	2022	Sustainable Operations and Computers	3		33	42	10.1016/j.susoc.2021.09.004	26664127
411	Paul J., Kadirgama K., Samykano M., Pandey A.K., Tyagi V.V.	A comprehensive review on thermophysical properties and solar thermal applications of organic nano composite phase change materials	2022	Journal of Energy Storage	45				10.1016/j.est.2021.103415	2352152X
412	Jacob J., Pandey A.K., Rahim N.A., Selvaraj J., Samykano M., Saidur R., Tyagi V.V.	Concentrated Photovoltaic Thermal (CPVT) systems: Recent advancements in clean energy applications, thermal management and storage	2022	Journal of Energy Storage	45				10.1016/j.est.2021.103369	2352152X
413	Singh S., Gupta I., Gupta S., Koundal D., Aljahdali S., Mahajan S., Pandit A.K.	Deep learning based automated detection of diseases from apple leaf images	2022	Computers, Materials and Continua	71	1	1849	1866	10.32604/cmc.2022.021875	15462218
414	Tyagi V.V., Chopra K., Sharma R.K., Pandey A.K., Tyagi S.K., Ahmad M.S., Sarı A., Kothari R.	A comprehensive review on phase change materials for heat storage applications: Development, characterization, thermal and chemical stability	2022	Solar Energy Materials and Solar Cells	234				10.1016/j.solmat.2021.111392	9270248

415	Ashraf A., Shafi W.K., Ul Haq M.I., Raina A.	Dispersion stability of nano additives in lubricating oils—an overview of mechanisms, theories and methodologies	2022	Tribology - Materials, Surfaces and Interfaces	16	1	34	56	10.1080/17515831.2021.1981720	17515831
416	Tyagi S.K., Kamboj S., Himanshu, Tyagi N., Narayanan R., Tyagi V.V.	Technological advancements in jaggery-making processes and emission reduction potential via clean combustion for sustainable jaggery production: An overview	2022	Journal of Environmental Management	301				10.1016/j.jenvman.2021.113792	3014797
417	Mittal N., Singh H., Mittal V., Mahajan S., Pandit A.K., Masud M., Baz M., Abouhawwash M.	Optimization of cognitive radio system using self-learning salp swarm algorithm	2022	Computers, Materials and Continua	70	2	3821	3835	10.32604/cmc.2022.020592	15462218
418	Aiyub M., Saini K., Raj K.	Korovkin type approximation theorem via lacunary equi-statistical convergence in fuzzy spaces	2022	Journal of Mathematics and Computer Science	25	4	312	321	10.22436/jmcs.025.04.02	2008949X
419	Sachdev K., Gupta M.K.	A Comparative Discussion of Similarity Based Techniques and Feature Based Techniques for Interaction Prediction of Drugs and Targets	2022	Intelligent Systems Reference Library	206		239	252	10.1007/978-3-030-76732-7_11	18684394
420	Wani J.A., Sharma S., Muzamil M., Ahmed S., Sharma S., Singh S.	Machine Learning and Deep Learning Based Computational Techniques in Automatic Agricultural Diseases Detection: Methodologies, Applications, and Challenges	2022	Archives of Computational Methods in Engineering	29	1	641	677	10.1007/s11831-021-09588-5	11343060

421	Tyagi S.K., Tyagi N., Himanshu H., Kamboj S., Agarwal K.K., Sharma U., Tyagi V.V.	Emission reduction and fuel-saving potentials in jaggery industry via cleaner combustion	2022	International Journal of Ambient Energy	43	1	4728	4743	10.1080/01430750.2021.1914726	1430750
422	Kumar R., Goel V., Bhattacharyya S., Tyagi V.V., Abusorrah A.M.	Experimental investigation for heat and flow characteristics of solar air heater having symmetrical gaps in multiple-arc rib pattern as roughness elements	2022	Experimental Heat Transfer	35	4	466	483	10.1080/08916152.2021.1905752	8916152
423	Sharma B., Kumar A.	Outsider-Within: The Sociological Significance of Dalit Women's Life Narratives	2022	Interventions	24	6	841	856	10.1080/1369801X.2021.1892505	1369801X
424	Chauhan A., Tyagi V.V., Sawhney A., Anand S.	Comparative enviro-economic assessment and thermal optimization of two distinctly designed and experimentally validated PV/T collectors	2022	Journal of Thermal Analysis and Calorimetry	147	2	1739	1755	10.1007/s10973-020-10464-w	13886150
425	Bhanja N., Nasreen S., Dar A.B., Tiwari A.K.	Connectedness in International Crude Oil Markets	2022	Computational Economics	59	1	227	262	10.1007/s10614-020-10068-4	9277099
426	Bhushan R.K., Sharma D.	Optimization of Friction Stir Welding Parameters to Maximize Hardness of AA6082/Si3N4 and AA6082/SiC Composites Joints	2022	Silicon	14	2	643	661	10.1007/s12633-020-00894-4	1876990X