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3.4.8 Bibliometric of the publications during the last five years based on average Citation Index in Scopus/ Web of Science/PubMed

S. No.	Title of the Paper	Name of the author	Title of the Journal	Year of Publication	Citation Index
1	Synthesis of N-Benzylideneaniline by Schiff base reaction using Kinnow peel powder as Green catalyst and comparative study of derivatives through ANOVA techniques	Verma R., Lamba N.P., Dandia A., Srivastava A., Modi K., Chauhan M.S., Prasad J.	Scientific Reports	2022	
2	Smart nanomaterials for cancer diagnosis and treatment	Singh R., Sharma A., Saji J., Umapathi A., Kumar S., Daima H.K.	Nano Convergence	2022	1
3	Influence of γ -irradiation and genotype on the structural and techno-functional properties and microbial quality of Millet flour	Wani H.M., Sharma P., Gul K., Bishnoi J.P., Wani I.A., Kothari S.L., Wani A.A.	Applied Food Research	2022	
4	Large shift in surface plasmon resonance wavelength with growth of embedded Au nanoparticles in fullerene C60 by Collision Cascades	Chaudhary V., Vishnoi R., Salim A., Dixit H., Bhardwaj J., Gupta D., Dwivedi U.K., Rathore D., Sharma G.D., Kamra K.V., Kumar P., Kanjilal A., Bishnoi S., Aggarwal S., Singhal R.	Journal of Alloys and Compounds	2022	
5	Surface chemistry driven selective anticancer potential of functional silver nanoparticles toward lung cancer cells	Umapathi A., Madhyastha H., Navya P.N., Singh M., Madhyastha R., Daima H.K.	Colloids and Surfaces A: Physicochemical and Engineering Aspects	2022	
6	Biochemical, dielectric and surface characteristics of freeze-dried bovine colostrum whey powder	Mehra R., Kumar S., Singh R., Kumar N., Rathore D., Nayik G.A., Alabdallah N.M., Monteiro A., Guiné R.F.F., Kumar H.	Food Chemistry: X	2022	
7	Functional silver nanozymes regulate cell inflammatory cytokines expression in mouse macrophages	Kumawat M., Madhyastha H., Singh M., Jain D., Daima H.K.	Colloids and Surfaces A: Physicochemical and Engineering Aspects	2022	
8	An Empirical Study of Soft Computing Approaches in Wireless Sensor Networks	Ansari S., Nagwanshi K.K.	Journal of Cases on Information Technology	2022	2
9	A Systematic Review of Tools Available in the Field of Augmented Reality	Trivedi N.K., Anand A., Sagar P., Batra N., Noonia A., Kumar A.	Journal of Cases on Information Technology	2022	
10	Study of improved VOCs sensing properties of boron nitride quantum dots decorated nanostructured 2D-ZnO material	Choudhury S.P., Nakate U.T.	Ceramics International	2022	
11	Manufacturing and characterization of whey and stevia-based popsicles enriched with concentrated beetroot juice	Jain A., Mehra R., Garhwal R., Rafiq S., Sharma S., Singh B., Kumar S., Kumar K., Kumar N., Kumar H.	Journal of Food Science and Technology	2022	
12	IIoT implementation challenges: analysis and mitigation by blockchain	Kumar R., Sindhwani R., Singh P.L.	Journal of Global Operations and Strategic Sourcing	2022	1
13	Biosynthesized magnetite nanoparticles from Polyalthia longifolia leaves improve photosynthetic performance and yield of Trigonella foenum-graecum under drought stress	Bisht S., Sharma V., Kumari N.	Plant Stress	2022	1
14	Doxycycline Adsorptive Interaction with Mesoporous MCM-41: Kinetic and Isotherm Modelling with Thermodynamics	Saxena M., Kushwaha J.P., Kulshreshtha S., Kaur G., Singh N.	Chemistry Africa	2022	
15	A Systematic Review of the Bioactive Components, Nutritional Qualities and Potential Therapeutic Applications of Donkey Milk	Garhwal R., Sangwan K., Mehra R., Kumar N., Bhardwaj A., Pal Y., Buttar H.S., Kumar H.	Journal of Equine Veterinary Science	2022	
16	Endogenous cysteine protease inhibitors in upmost pathogenic parasitic protozoa	Roy M., Rawat A., Kaushik S., Jyoti A., Srivastava V.K.	Microbiological Research	2022	



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17	Kinetics and Optimization of Azo Dye Decolorisation Using Green Synthesized Iron-Oxide Nanoparticles: A Pilot Scale Study	Sharma B., Kumari N., Mathur S., Sharma V.	International Journal of Environmental Research	2022	
18	Molecular docking and dynamic simulation of approved drugs targeting against spike protein (6VXX) of 2019-nCoV (novel coronavirus)	Thakur A., Bansode D., Ghare P., Sakpal S.	Journal of the Indian Chemical Society	2022	
19	Indispensable role of microbes in anticancer drugs and discovery trends	Kapoor R., Saini A., Sharma D.	Applied Microbiology and Biotechnology	2022	
20	Azotobacter chroococcum and Pseudomonas putida enhance pyrroloquinazoline alkaloids accumulation in Adhatoda vasica hairy roots by biotization	Singh B., Sahu P.M., Aloria M., Reddy S.S., Prasad J., Sharma R.A.	Journal of Biotechnology	2022	
21	Distribution of phenanthrene in the ospho2 reveals the involvement of phosphate on phenanthrene translocation and accumulation in rice	Wang X., Jain A., Cui M., Hu S., Zhao G., Cao Y., Hu F.	Ecotoxicology and Environmental Safety	2022	
22	Enhancing the Route Optimization Using Hybrid MAF Optimization Algorithm for the Internet of Vehicle	Dhanare R., Nagwanshi K.K., Varma S.	Wireless Personal Communications	2022	3
23	Optical black hole characteristics using microring space-time distortion circuit	Prabpal P., Youplao P., Ray K., Boonkirdram S., Yupapin P.	Microwave and Optical Technology Letters	2022	
24	Review on engineering designing of electromagnetic interference shielding materials using additive manufacturing	Verma S., Dhangar M., Mili M., Bajpai H., Dwivedi U., Kumari N., Khan M.A., Bhargaw H.N., Hashmi S.A.R., Srivastava A.K.	Polymer Composites	2022	
25	A Novel Work on Analyzing STRESS and Depression level of Indian Population During COVID-19	Gupta A.K., Mathur P., Bijawat S., Dadhich A.	Recent Advances in Computer Science and Communications	2022	
26	Progress of 2D MXenes based composites for efficient electromagnetic interference shielding applications: A review	Verma S., Dwivedi U., Chaturvedi K., Kumari N., Dhangar M., Hashmi S.A.R., Singhal R., Srivastava A.K.	Synthetic Metals	2022	
27	120 keV Ar ion-induced red and blue shift of SPR Wavelength of Au nanoparticles in fullerene C60	Salim A., Vishnoi R., Dixit H., Chaudhary V., Bhardwaj J., Gupta D., Aggarwal S., Dwivedi U.K., Kumar P., Bishnoi S., Sharma G.D., Singhal R.	Journal of Materials Science: Materials in Electronics	2022	
28	Rabi antenna using microstrip add-drop multiplexer for electron warp speed investigation	Sonasang S., Prabpal P., Sirikan P., Hakaew P., Pham N.T., Yupapin P., Ray K., Boonkirdram S.	Chinese Optics Letters	2022	
29	Virtual Class and Children Food Patterns during Pandemic: A Review	Sandeep, Rathore S., Prakash O., Gupta D.K., Zaman T., Kumari V., Tomar R., Mertia S.	Journal of Educational and Social Research	2022	
30	Use of Blockchain Based Techniques in Healthcare: A Study	Deshmukh V., Pathak S., Bhattacharya P.	International Journal of Emerging Technology and Advanced Engineering	2022	
31	Farm Size and Farmers' Income, Consumption, and Poverty in India Statewise Estimates of Direct Income Support to Farmer Households	Sharma H.R., Malik S.H.	Economic and Political Weekly	2022	



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32	Production of Hydrocarbon Liquid Fuels from waste Personal Protective Equipment (PPEs) through Pyrolysis	Sharma G., Upadhyay E.	ChemistrySelect	2022	
33	Role of metabolizing MTHFR gene polymorphism (rs1801133) and its mRNA expression among Type 2 Diabetes	Pathak D., Shrivastav D., Verma A.K., Alsayegh A.A., Yadav P., Khan N.H., Al-Harbi A.I., Khan M.I., Bihade K., Singh D.D., Beg M.M.A.	Journal of Diabetes and Metabolic Disorders	2022	
34	Distributed MEMS Sensors Using Plasmonic Antenna Array Embedded Sagnac Interferometer	Garhwal A., Arumona A.E., Youplao P., Ray K., Yupapin P.	Plasmonics	2022	
35	Classification of defects in photonic bandgap crystal using machine learning under microsoft AzureML environment	Sharma V.S., Nagwanshi K.K., Sinha G.R.	Multimedia Tools and Applications	2022	
36	Immobilization-Based Bio-formulation of Aspergillus awamori S29 and Evaluation of Its Shelf Life and Re-usability in the Soil-Plant Experiment	Jain R., Gupta A., Sharma V., Naik S., Saxena J., Kumar V., Prasad R.	Current Microbiology	2022	
37	Seed priming with carbon nanotubes and silicon dioxide nanoparticles influence agronomic traits of Indian mustard (Brassica juncea) in field experiments	Dhingra P., Sharma S., Singh K.H., Kushwaha H.S., Barupal J.K., Haq S., Kothari S.L., Kachhwaha S.	Journal of King Saud University - Science	2022	
38	GWAS Reveals a Novel Candidate Gene CmoAP2/ERF in Pumpkin (Cucurbita Moschata) Involved in Resistance to Powdery Mildew	Alavilli H., Lee J.-J., You C.-R., Poli Y., Kim H.-J., Jain A., Song K.	International Journal of Molecular Sciences	2022	
39	Potassium Chloroaurate-Mediated In Vitro Synthesis of Gold Nanoparticles Improved Root Growth by Crosstalk with Sucrose and Nutrient-Dependent Auxin Homeostasis in Arabidopsis thaliana	Yadav S., Yugandhar P., Alavilli H., Raliya R., Singh A., Sahi S.V., Sarkar A.K., Jain A.	Nanomaterials	2022	
40	Multiplex qPCR for differentiation of Mycobacterium avium subspecies paratuberculosis in active and passive infection of goats	Pachoori A., Gururaj K., Sachan S., Sharma D.	Applied Microbiology and Biotechnology	2022	
41	Corrigendum: SARS-CoV-2: Emergence of New Variants and Effectiveness of Vaccines (Front. Cell. Infect. Microbiol., (2021), 11, (777212), 10.3389/fcimb.2021.777212)	Singh D.D., Parveen A., Yadav D.K.	Frontiers in Cellular and Infection Microbiology	2022	
42	A Study of MHD Fluid with Second Order Slip and Thermal Flow over a Nonlinear Stretching Sheet	Jauhari S., Mishra U.	International Journal of Applied Mechanics and Engineering	2022	
43	Synthesis and Characterisation of Dicyclohexyl Urea by the improved Green Methodology	Saurabh P., Pal L.N., Singh C.M., Arkaja G.	Research Journal of Chemistry and Environment	2022	
44	An Intelligent Software System for Real Estate Systems using Machine Learning	Banga M.	International Journal of Performability Engineering	2022	
45	Review on development of false ceiling material from coconut shell powder reinforced PLA with increase fire retardancy	Jamadar P.D., Sharma R., Wagh H.K.	AIP Conference Proceedings	2022	



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46	Recent advances in photovoltaic cooling and performance improvement of the integration of phase change materials based systems: A review	Badgujar S.P., Kumar C.S., Wagh H.K.	AIP Conference Proceedings	2022	
47	Experimental investigation of force transmissibility for ferrous and non-ferrous materials	Gupta A., Sharma R., Katarne R.	AIP Conference Proceedings	2022	
48	Enhancing refrigeration system efficiency by the use of nanorefrigerants/ nanolubricants: A comprehensive review	Patil P.K., Gupta A.K., Mathur P.	AIP Conference Proceedings	2022	
49	ATL8, a RING E3 ligase, modulates root growth and phosphate homeostasis in Arabidopsis	Ramaiah M., Jain A., Yugandhar P., Raghothama K.G.	Plant Physiology and Biochemistry	2022	1
50	Deciphering the Link Between ERUPR Signaling and MicroRNA in Pathogenesis of Alzheimer's Disease	Yasmeen N., Datta M., Kumar V., Alshehri F.S., Almalki A.H., Haque S.	Frontiers in Aging Neuroscience	2022	
51	Investigation of the thermal stability of the antihypertensive drug nebivolol under different conditions: Experimental and computational analysis	Asran A.M., Mohamed M.A., Khedr G.E., Eldin G.M.G., Yehia A.M., Mishra R.K., Allam N.K.	Journal of Thermal Analysis and Calorimetry	2022	
52	Analysis of Electromagnetic Environment in 1200 kV Single Circuit UHVAC Transmission Line by using FACE Software and Semi-empirical Formulae	Bharti S., Dubey S.P., Nagwanshi K.K., Turkey R.A., Bansal R.C., Choubey B.D.	Ain Shams Engineering Journal	2022	
53	Bacteriophages: A possible solution to combat enteropathogenic Escherichia coli infections in neonatal goats	Bhargava K., Gururaj K., Aseri G.K., Nath G., Singh N.P., Pawaiya R.V.S., Kumar A., Mishra A.K., Yadav V.B., Jain N.	Letters in Applied Microbiology	2022	
54	Ternary poly(2-ethyl-2-oxazoline)-polyvinylpyrrolidone-graphene nanocomposites: Thermal, electrical, dielectric, mechanical, and antibacterial profiling	Shubha A., Manohara S.R., Siddlingeshwar B., Daima H.K., Singh M., Revaprasadu N.	Diamond and Related Materials	2022	1
55	Experimental and Numerical Analysis of Mechanical, Thermal and Thermomechanical Properties of Hybrid Glass/Metal Fiber Reinforced Epoxy Composites	Agarwal P., Kumar M., Choudhary M., Sharma A., Patnaik A.	Fibers and Polymers	2022	1
56	Display of distinct endogenous phenolic contents in different rice ecotypes grown under normal conditions: a potent biomarker system for sensing growth, stress and adaptability	Shamshadul H., Deepa K., Prerna D., Kothari S.L., Sumita K.	Research Journal of Biotechnology	2022	
57	Rule-based Classifiers for Suspect Detection from CCTV Footages	Pathak S.	Recent Advances in Computer Science and Communications	2022	
58	Comparative study of recyclable chemically modified citrus fruit peel (bio-adsorbents) for removal of Cadmium ion for aqueous solution	Kumar T.A., Singh C.M., Singh R.N., Sonam K., Pal L.N.	Research Journal of Chemistry and Environment	2022	
59	Regulatory roles of MicroRNA in shaping T cell function, differentiation and polarization	Naqvi R.A., Datta M., Khan S.H., Naqvi A.R.	Seminars in Cell and Developmental Biology	2022	1
60	MUX/DEMUX circuit using plasmonic antennas for LiFi and WiFi uplink and downlink transmission	Garhwal A., Arumona A.E., Ray K., Youplao P., Punthawanunt S., Yupapin P.	Photonic Network Communications	2022	



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61	Role of deposition parameters on the properties of the fabricated heterojunction ZnS/p-Si Schottky diode	Kumar A., Mukherjee S., Sharma H., Dwivedi U.K., Kumar S., Gangwar R.K., Choubey R.K.	Physica Scripta	2022	2
62	CERTAIN ASPECTS OF MESENCHYMAL STEM CELLS IN SMALL RUMINANTS: AN OVERVIEW	Yadav P., Jena D., Rani S., Kharche S.D., Sohal J.S., Aseri G.K.	Indian Journal of Small Ruminants	2022	
63	Rapid biogenic fabrication of silver nanoparticles using Ziziphus nummularia under optimised conditions and evaluation of their antimicrobial synergy	Kumar V., Lakhawat S.S., Kumar S., Chaudhary A.A., Rudayni H.A., Al-Zahrani M., Gilhotra U.K.	Digest Journal of Nanomaterials and Biostructures	2022	
64	Repayment Performance of Self-Help Groups in Uttar Pradesh: An Empirical Investigation	Singh U.B., Gupta T.	Journal of Asian and African Studies	2022	
65	Characterization and cytotoxicity assessment of biosurfactant derived from Lactobacillus pentosus NCIM 2912	Sharma V., Singh D., Manzoor M., Banpurkar A.G., Satpute S.K., Sharma D.	Brazilian Journal of Microbiology	2022	1
66	Harmonics mitigated multi-objective energy optimization in PV integrated rural distribution network using modified TLBO algorithm	Bhatt P.K.	Renewable Energy Focus	2022	3
67	Waste and natural fiber based automotive brake composite materials: Influence of slag and coir on tribological performance	Rajan R., Tyagi Y.K., Singh S.	Polymer Composites	2022	4
68	Electron cloud zeeman effect sensors using silver bars embedded microring resonator	Arumona A.E., Garhwal A., Khunnam W., Youplao P., Ray K., Yupapin P.	Optical and Quantum Electronics	2022	1
69	Easterly waves and ocean-atmospheric oscillations associated with contrasting northeast monsoon seasons over India	Reba R.M., Pattanaik D.R., Raju P.V.S.	Journal of Earth System Science	2022	
70	Recognition of Islanding and Operational Events in Power System with Renewable Energy Penetration Using a Stockwell Transform-Based Method	Kaushik R., Mahela O.P., Bhatt P.K., Khan B., Garg A.R., Alhelou H.H., Siano P.	IEEE Systems Journal	2022	6
71	A Review and Computational Analysis of Breast Cancer Using Different Machine Learning Techniques	Nemade V., Pathak S., Dubey A.K., Barhate D.	International Journal of Emerging Technology and Advanced Engineering	2022	1
72	Purification and characterization of a novel bacteriocin produced by Acinetobacter movanagherensis AS isolated from goat rectum	Sharma V., Aseri G.K., Bhagwat P.K., Jain N., Ranveer R.C.	Food Frontiers	2022	
73	DESIGN AN ALGORITHM FOR CONTINUOUS AUTHENTICATION ON SMARTPHONE THROUGH KEYSTROKE DYNAMICS AND TOUCH DYNAMICS	Vaishnav P., Kaushik M., Raja L.	Indian Journal of Computer Science and Engineering	2022	
74	Profitability determinants of infrastructure public private partnerships (PPPs): empirical evidence from Indian data	Kumar A., Srivastava V., Tabash M.I., Chawda D.	Journal of Financial Management of Property and Construction	2022	3
75	SARS-CoV-2: Recent Variants and Clinical Efficacy of Antibody-Based Therapy	Singh D.D., Sharma A., Lee H.-J., Yadav D.K.	Frontiers in Cellular and Infection Microbiology	2022	1
76	Surface Engineered Peroxidase-Mimicking Gold Nanoparticles to Subside Cell Inflammation	Kumawat M., Madhyastha H., Umapathi A., Singh M., Revaprasadu N., Daima H.K.	Langmuir	2022	5
77	Investigation on tribo-characteristics of Calotropis gigantea fiber-reinforced-CNT modified polymer composites	Dwivedi U.K., Singh S., Shukla S.C., Hashmi S.A.R.	Polymer Bulletin	2022	



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78	Colorimetric assay for visual determination of imidacloprid in water and fruit samples using asparagine modified gold nanoparticles	Singh R., Kumar N., Mehra R., Walia A., Kumar H., Sharma K., Thakur A.	Journal of the Iranian Chemical Society	2022	
79	Engineered nanomaterials for biomedical applications and their toxicity: a review	Umapathi A., Kumawat M., Daima H.K.	Environmental Chemistry Letters	2022	10
80	SOLUTION of LOCAL FRACTIONAL GENERALIZED FOKKER-PLANCK EQUATION USING LOCAL FRACTIONAL MOHANDADOMIAN DECOMPOSITION METHOD	Althobaiti S., Dubey R.S., Prasad J.G.	Fractals	2022	
81	220 keV Ag ion irradiation-induced surface plasmon resonance shift of gold nanoparticles in fullerene C60 matrix	Chaudhary V., Vishnoi R., Salim A., Tyagi A., Gupta D., Rathore D., Umapathy G.R., Ojha S., Dwivedi U.K., Aggarwal S., Sharma G.D., Singhal R.	Materials Letters	2022	2
82	Certain Unified Integrals Associated with Product of the General Class of Polynomials and Incomplete I-Functions	Sharma R., Singh J., Kumar D., Singh Y.	International Journal of Applied and Computational Mathematics	2022	1
83	Insights into the Research Trends on Bovine Colostrum: Beneficial Health Perspectives with Special Reference to Manufacturing of Functional Foods and Feed Supplements	Mehra R., Garhwal R., Sangwan K., Guiné R.P.F., Lemos E.T., Buttar H.S., Visen P.K.S., Kumar N., Bhardwaj A., Kumar H.	Nutrients	2022	1
84	Recent Advances in Drumstick (<i>Moringa oleifera</i>) Leaves Bioactive Compounds: Composition, Health Benefits, Bioaccessibility, and Dietary Applications	Kashyap P., Kumar S., Riar C.S., Jindal N., Baniwal P., Guiné R.P.F., Correia P.M.R., Mehra R., Kumar H.	Antioxidants	2022	4
85	Phytochemical Profiling, Anti-inflammatory, Antioxidant and Antimicrobial Effects of Seven Indian <i>Morinda</i> Species	Singh B., Sahu P., Sharma R.	Current Bioactive Compounds	2022	
86	Differential efficacy of water lily cultivars in phytoremediation of eutrophic water contaminated with phosphorus and nitrogen	Wang X., Jain A., Chen B., Wang Y., Jin Q., Yugandhar P., Xu Y., Sun S., Hu F.	Plant Physiology and Biochemistry	2022	
87	Fate of Polyphenols and Antioxidant Activity of Barley during Processing	Sharma P., Goudar G., Longvah T., Gour V.S., Kothari S.L., Wani I.A.	Food Reviews International	2022	4
88	Deciphering LncRNA–protein interactions using docking complexes	Suravajhala R., Gupta S., Kumar N., Suravajhala P.	Journal of Biomolecular Structure and Dynamics	2022	1
89	Fabrication of iron oxide nanoparticles from ammonia vapor and their importance in plant growth and dye degradation	Jain D., Kushwaha H.S., Rathore K.S., Stephen B.J., Daima H.K., Jain R., Singh A.	Particulate Science and Technology	2022	
90	Optimization of Spreading Code Using Modified Differential Evolution for Wireless Communication	Kashyap K., Pathak S., Yadav N.S.	Wireless Personal Communications	2022	1
91	Secure Authentication in WLAN Using Modified Four-Way Handshake Protocol	Diwakar M., Singh P., Kumar P., Tiwari K., Bhushan S., Kaushik M.	Lecture Notes in Electrical Engineering	2022	
92	Ecosystem services provided by <i>Prosopis cineraria</i> (L.) Druce in the drylands of Southern and Western Asia	Baibout M., Corcket E., Kothari S.L., Fievet V.	Botany Letters	2022	
93	A systematic review on iron-based nanoparticle-mediated clean-up of textile dyes: challenges and prospects of scale-up technologies	Sharma B., Kumari N., Mathur S., Sharma V.	Environmental Science and Pollution Research	2022	1



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94	Neurodegenerative Disorders of Alzheimer, Parkinsonism, Amyotrophic Lateral Sclerosis and Multiple Sclerosis: An Early Diagnostic Approach for Precision Treatment	Pathak N., Vimal S.K., Tandon I., Agrawal L., Hongyi C., Bhattacharyya S.	Metabolic Brain Disease	2022	4
95	Agricultural Significance of Silica Nanoparticles Synthesized from a Silica Solubilizing Bacteria	Garg K.K., Jain D., Rajpurohit D., Kushwaha H.S., Daima H.K., Stephen B.J., Singh A., Mohanty S.R.	Comments on Inorganic Chemistry	2022	
96	Logistic map and exponential scaling factor-based differential evolution	Kashyap K., Pathak S., Yadav N.S.	International Journal of Swarm Intelligence Research	2022	
97	Dolomite dust filled glass fiber reinforced epoxy composite: Influence of fabrication techniques on physicomechanical and erosion wear properties	Verma S.K., Gangil B., Gupta A., Rajput N.S., Singh T.	Polymer Composites	2022	1
98	Comparative performance of different antigens on the lateral flow assay (LFA) platform for the rapid serodiagnosis of paratuberculosis	Jain M., Singh A.K., Kumar A., Gupta S., Polavarapu R., Sohal J.S.	Journal of Microbiological Methods	2022	1
99	Physicochemical, antioxidant, and polyphenolic attributes of microencapsulated freeze-dried kinnow peel extract powder using maltodextrin as wall material	Rafiq S., Sofi S.A., Kumar H., Kaul R.K., Mehra R., Awuchi C.G., Okpala C.O.R., Korzeniowska M.	Journal of Food Processing and Preservation	2022	1
100	Preface	Arefin M.S., Kaiser M.S., Bandyopadhyay A., Ahad M.A.R., Ray K.	Lecture Notes on Data Engineering and Communications Technologies	2022	
101	Exosomes, extracellular vesicles and the eye	Rudraprasad D., Rawat A., Joseph J.	Experimental Eye Research	2022	1
102	Predicting diagnostic potential of cathepsin in epithelial ovarian cancer: A design validated by computational, biophysical and electrochemical data	Ranade H., Paliwal P., Chaudhary A.A., Piplani S., Rudayni H.A., Al-Zharani M., Niraj R.R., Datta M.	Biomolecules	2022	
103	People Analytics: Augmenting Horizon from Predictive Analytics to Prescriptive Analytics	Singh A., Singh H., Singh A.	EAI/Springer Innovations in Communication and Computing	2022	



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104	Cancer Incidence, Mortality, Years of Life Lost, Years Lived With Disability, and Disability-Adjusted Life Years for 29 Cancer Groups From 2010 to 2019 A Systematic Analysis for the Global Burden of Disease Study 2019	Kocarnik J.M., Compton K., Dean F.E., Fu W., Gaw B.L., Harvey J.D., Henrikson H.J., Lu D., Pennini A., Xu R., Ababneh E., Abbasi-Kangevari M., Abbastabar H., Abd-El salam S.M., Abdoli A., Abedi A., Abidi H., Abolhassani H., Adedeji I.A., Adnani Q.E.S., Advani S.M., Afzal M.S., Aghaali M., Ahinkorah B.O., Ahmad S., Ahmad T., Ahmadi A., Ahmadi S., Ahmed Rashid T., Ahmed Salih Y., Akalu G.T., Akilu A., Akram T., Akunna C.J., Al Hamad H., Alahdab F., Al-Aly Z., Ali S., Alimohamadi Y., Alipour V., Aljunid S.M., Alkhayyat M., Almasi-Hashiani A., Almasri N.A., Al-Maweri S.A.A., Almustanyir S., Alonso N., Alvis-Guzman N., Amu H., Anbesu E.W., Ancuceanu R., Ansari F., Ansari-Moghaddam A., Antwi M.H., Anvari D., Anyasodor A.E., Aqeel M., Arabloo J., Arab-Zozani M., Aremu O., Ariffin H., Aripov T., Arshad M., Artaman A., Arulappan J., Asemi Z., Asghari Jafarabadi M., Ashraf T., Atorkey P., Aujayeb A., Ausloos M., Awedew A.F., Ayala Quintanilla B.P., Ayenew T., Azab M.A., Azadnajafabad S., Azari Jafari A., Azarian G., Azzam A.Y., Badiye A.D., Bahadory S., Baig A.A., Baker J.L., Balakrishnan S., Banach M., Bärnighausen T.W., Barone-Adesi F., Barra F., Barrow A., Behzadifar M., Belgaumi U.I., Bezabhe W.M.M., Bezabih Y.M., Bhagat D.S., Bhagavathula A.S., Bhardwaj N., Bhardwaj P., Bhaskar S., Bhattacharyya K., Bhojaraja V.S., Bibi S., Bijani A., Biondi A., Bisignano C., Bjorge T., Bleyer A., Blyuss O., Bolarinwa O.A., Bolla S.R., Braithwaite D., Brar A., Brenner H., Bustamante-Toivona M.T., Butt N.S., Butt Z.A., Caetano-de-	JAMA Oncology	2022	51
105	Impact of Safe Rock® Minerals, Mineral Fertilizers, and Manure on the Quantity and Quality of the Wheat Yield in the Rice–Wheat Cropping System	Ranva S., Singh Y.V., Jain N., Bana R.S., Bana R.C., Aseri G.K., Madar R., Shokralla S., Mahmoud E.A., El-Sabrou A.M., Elansary H.O.	Plants	2022	1
106	Fairness, Accountability, Sustainability, Transparency (FAST) of Artificial Intelligence in Terms of Hospitality Industry	Sharma S., Rawal Y.S., Pal S., Dani R.	Lecture Notes in Networks and Systems	2022	



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3.4.8 Bibliometric of the publications during the last five years based on average Citation Index in Scopus/ Web of Science/PubMed

S. No.	Title of the Paper	Name of the author	Title of the Journal	Year of Publication	Citation Index
107	Bare Skin Image Classification using Convolution Neural Network	Gupta J., Pathak S., Kumar G.	International Journal of Emerging Technology and Advanced Engineering	2022	6
108	An Interesting Integral Involving Product of Two Generalized Hypergeometric Function	Harsh H.V., Rakha M.A., Sharma P.K., Rathie A.K.	Boletim da Sociedade Paranaense de Matematica	2022	
109	A QUALITATIVE EVALUATION OF INFOGRAPHICS AND ITS USES IN HEALTHCARE COMMUNICATION	Taye R., Archana, Junaid A., Singh D.D.	The Ulster medical journal	2022	
110	International journal of organizational analysis: a bibliometric review (2005–2020)	Tabash M.I., Kumar A., Sharma S., Vashistha R., El Refae G.A.	International Journal of Organizational Analysis	2022	
111	Role of Fog-Assisted Internet of Things-Enabled System for Managing the Impact of COVID-19	Verma U., Sohani M., Borah S., Nagwanshi K.K., Pathak S.	Lecture Notes on Data Engineering and Communications Technologies	2022	
112	Biosensors for the detection of Mycobacterium tuberculosis: a comprehensive overview	Joshi H., Kandari D., Maitra S.S., Bhatnagar R.	Critical Reviews in Microbiology	2022	1
113	A comparative analysis of computational intelligence algorithms for estimation of LTE channels	Pathan S., Noonina A., Tamboli M., Pathak S.	Scientific and Technical Journal of Information Technologies, Mechanics and Optics	2022	
114	Lead accumulation, translocation, distribution and photosynthetic toxicity in <i>Cyamopsis tetragonoloba</i>	Sharma Y., Kumari N., Sharma V.	Soil and Sediment Contamination	2022	
115	Oil Palm Tree Detection and Counting for Precision Farming Using Deep Learning CNN	Kipli K., Bin P.L.J., En S.H., Joseph A., Zen H., Kien B.G.Y., Jalil M.A., Ray K., Kaiser M.S., Mahmud M.	Lecture Notes in Networks and Systems	2022	
116	Classification of ECG Ventricular Beats Assisted by Gaussian Parameters' Dictionary	Salleh S.H., Noman F., Hussain H., Ting C.-M., Hamid S.R.G.S., Sh-Hussain H., Jalil M.A., Zubaidi A.L.A., Rizvi S.Z.H., Kipli K., Jacob K., Ray K., Kaiser M.S., Mahmud M., Ali J.	Lecture Notes in Networks and Systems	2022	
117	Preface	Kaiser M.S., Ray K., Bandyopadhyay A., Jacob K., Long K.S.	Lecture Notes in Networks and Systems	2022	
118	Drop-Shaped Fractal Patch Antenna for THz Applications	Garhwal A., Jalil M.A., Mahmud M., Kaiser M.S., Ray K., Yupapin P., Prabpal P., Rizvi S.Z.H., Jacob K., Bandyopadhyay A., Ali J.	Lecture Notes in Networks and Systems	2022	
119	Instantaneous Communication Between Cerebellum, Hypothalamus, and Hippocampus (C–H–H) During Decision-Making Process in Human Brain-III	Singh P., Saxena K., Sahoo P., Sarkar J., Ghosh S., Ray K., Bandyopadhyay A.	Lecture Notes in Networks and Systems	2022	
120	A Brief Review of Computation Techniques for ECG Signal Analysis	Hussain S.S., Noman F., Hussain H., Ting C.-M., bin Hamid S.R.G.S., Sh-Hussain H., Jalil M.A., A.L.A.Z., Rizvi S.Z.H., Kipli K., Jacob K., Ray K., Shamim Kaiser M., Mahmud M., Ali J.	Lecture Notes in Networks and Systems	2022	



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S. No.	Title of the Paper	Name of the author	Title of the Journal	Year of Publication	Citation Index
121	Designing of Triple-Band, Quad-Band, and Super Wideband Microstrip Antennas for THz Application	Vijay S.K., Jalil M.A., Ahmad B.H., Ray K., Yupapin P., Rizvi S.Z.H., Jacob K.K., Bandyopadhyay A., Kipli K., Ali J.	Lecture Notes in Networks and Systems	2022	
122	Targeting COPD with PLGA-Based Nanoparticles: Current Status and Prospects	Saxena J., Bisen M., Misra A., Srivastava V.K., Kaushik S., Siddiqui A.J., Mishra N., Singh A., Jyoti A.	BioMed Research International	2022	
123	APPLICATION OF DATA SCIENCE OVER IOT & ITS SECURITY APPROACHES	Gupta A.K., Goyal D., Mathur P.	Recent Advances in Computer Science and Communications	2022	
124	Genetic Diversity and Population Structure Analysis in Indian Mustard Germplasm Using Phenotypic Traits and SSR Markers	Sharma D., Nanjundan J., Singh L., Parmar N., Singh K.H., Verma K.S., Thakur A.K.	Plant Molecular Biology Reporter	2022	
125	GSR Signals Features Extraction for Emotion Recognition	Kipli K., Latip A.A.A., Lias K., Bateni N., Yusoff S.M., Tajudin N.M.A., Jalil M.A., Ray K., Shamim Kaiser M., Mahmud M.	Lecture Notes in Networks and Systems	2022	
126	Development of Mobile Application for Detection and Grading of Diabetic Retinopathy	Kipli K., Hui L.Y., Tajudin N.M.A., Sapawi R., Sahari S.K., Mat D.A.A., Jalil M.A., Ray K., Shamim Kaiser M., Mahmud M.	Lecture Notes in Networks and Systems	2022	
127	All Basics that Are Wrong with the Current Concept of Time Crystal: Learning from the Polyatomic Time Crystals of Protein, microtubule, and Neuron	Saxena K., Singh P., Sahoo P., Ghosh S., Krishnanda D., Ray K., Fujita D., Bandyopadhyay A.	Lecture Notes in Networks and Systems	2022	1
128	Preface	Kaiser M.S., Ray K., Bandyopadhyay A., Singh R., Nagar V.	Lecture Notes in Networks and Systems	2022	
129	A comparative study of Kigelia pinnata fruit extracts in terms of antimutagenic potential and antimicrobial efficacy against antibiotic-resistant microbial strains	Jain A., Kumar H., Tripathi C., Kulshreshtha S.	Indian Journal of Traditional Knowledge	2022	
130	Improved resampling algorithm through a modified oversampling approach based on spectral clustering and SMOTE	Jadwal P.K., Jain S., Pathak S., Agarwal B.	Microsystem Technologies	2022	
131	Comparative transcriptomic analysis of the malaria parasites Plasmodium falciparum and Plasmodium vivax sensitive and resistant strains	Sakpal S., Abdeen S.Z., Kothari S.L., Bastikar V.	Drug Development and Registration	2022	
132	A Systematic Literature Review of Breast Cancer Diagnosis Using Machine Intelligence Techniques	Nemade V., Pathak S., Dubey A.K.	Archives of Computational Methods in Engineering	2022	
133	Analysis and Optimum Energy Management of Renewable Integrated Rural Distribution Network	Bhatt P.K., Kaushik R.	Proceedings of the 2nd International Conference on Artificial Intelligence and Smart Energy, ICAIS 2022	2022	
134	Multi-Class Skin Problem Classification Using Deep Generative Adversarial Network (DGAN)	Heenaye-Mamode Khan M., Gooda Sahib-Kaudeer N., Dayalen M., Mahomedaly F., Sinha G.R., Nagwanshi K.K., Taylor A.	Computational Intelligence and Neuroscience	2022	
135	Biogenic Phytochemicals Modulating Obesity: From Molecular Mechanism to Preventive and Therapeutic Approaches	Kumar V., Singh D.D., Lakhawat S.S., Yasmeen N., Pandey A., Singla R.K.	Evidence-based Complementary and Alternative Medicine	2022	1



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S. No.	Title of the Paper	Name of the author	Title of the Journal	Year of Publication	Citation Index
136	A Selection-Based Framework for Building and Validating Regression Model for COVID-19 Information Management	Landge P.B., Bhise D.V., Nagwanshi K.K., Patra R.K., Durugkar S.R.	Smart Innovation, Systems and Technologies	2022	
137	Cytotoxicity of Nanoparticles Used in Cosmetic Industries: An In-depth Insight	Dash S., Singh S., Singh S.K.	Evergreen	2022	1
138	Bio-Inspired Algorithms for Prey Model Optimization(February 2022)	Rastogi A.K., Taterh S., Suresh Kumar B.	Proceedings of 2nd International Conference on Innovative Practices in Technology and Management, ICIPTM 2022	2022	
139	Plant-derived carboxycellulose: Highly efficient bionanomaterials for removal of toxic lead from contaminated water	Sharma S.K., Sharma P.R., Johnson K.I., Madan Y., Li S., Cai G., Brahmabhatt I., Borges W., Hsiao B.S.	Separation Science and Technology (New York)	2022	
140	Analyze mathematical model for optimization of anaerobic digestion for treatment of waste water	Mathur P., Singh S.	Materials Today: Proceedings	2022	
141	Efficient Fine Tuned Trapezoidal Fuzzy-Based Model for Failure Mode Effect Analysis Risk Prioritization	Subramanian R., Taterh S., Singh D., Lee H.-N.	IEEE Access	2022	
142	Recent developments of molecular/biosensor diagnostics for SARS-CoV-2 detection	Mishra R.K., Pai N., Goud K.Y., Niraj R.R.K., Kumar D., Patel G., Gour V.S., Zareei A., Rahimi R., Sharma V., Narayan R., Stanciu L.	Advanced Biosensors for Virus Detection: Smart Diagnostics to Combat SARS-CoV-2	2022	
143	Recommender system for health care analysis using machine learning technique: a review	Shaikh S.G., Suresh Kumar B., Narang G.	Theoretical Issues in Ergonomics Science	2022	
144	BIO-UTILIZATION OF INDUSTRIAL WASTE: CHARACTERIZATION AND ANTIOXIDANT ACTIVITY	Jindal P., Chauhan M.S.	Rasayan Journal of Chemistry	2022	
145	Intelligent transformer tap controller for harmonic elimination in photovoltaic interfaced micro-grid network	Bhatt P.K., Patidar N.P.	Engineering Optimization	2022	
146	A Practitioner's Toolkit for Polycystic Ovary Syndrome Counselling	Lathia T., Joshi A., Behl A., Dhingra A., Kalra B., Dua C., Bajaj K., Verma K., Malhotra N., Galagali P., Sahay R., Mittal S., Bajaj S., Moorthy S., Sharma S., Kalra S.	Indian Journal of Endocrinology and Metabolism	2022	
147	A Study to Enhance the Route Optimization Algorithm for the Internet of Vehicle	Dhanare R., Nagwanshi K.K., Varma S.	Wireless Communications and Mobile Computing	2022	1
148	Covariance matrix adaptation evolution strategy for robust load frequency control of hydro power systems	Katal N., Singh S.K., Kumar S.	Songklanakarin Journal of Science and Technology	2022	
149	Wearable Sensors with Internet of Things (IoT) and Vocabulary-Based Acoustic Signal Processing for Monitoring Children's Health	Nagwanshi K.K., Noonia A., Tiwari S., Doohan N.V., Kumawat V., Ahanger T.A., Amoatey E.T.	Computational Intelligence and Neuroscience	2022	1
150	Bioactive Compounds in Ficus Fruits, Their Bioactivities, and Associated Health Benefits: A Review	Walia A., Kumar N., Singh R., Kumar H., Kumar V., Kaushik R., Kumar A.P.	Journal of Food Quality	2022	
151	Analysis of clustering algorithms for credit risk evaluation using multiple correspondence analysis	Jadwal P.K., Pathak S., Jain S.	Microsystem Technologies	2022	



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3.4.8 Bibliometric of the publications during the last five years based on average Citation Index in Scopus/ Web of Science/PubMed

S. No.	Title of the Paper	Name of the author	Title of the Journal	Year of Publication	Citation Index
152	Stego Dog: Image Steganography Tool for Confidentiality and Integrity	Parmar V., Gandhi D., Srivastava A., Sharma S.	International Conference on Sustainable Computing and Data Communication Systems, ICSCDS 2022 - Proceedings	2022	
153	Effect of Covid-19 in India- A prediction through mathematical modeling using Atangana Baleanu fractional derivative	Dubey R.S., Mishra M.N., Goswami P.	Journal of Interdisciplinary Mathematics	2022	
154	Empirical Study on Energy-Efficient IoT-Based WSN Routing Protocols for Smart Agriculture System	Rao A.K., Nagwanshi K.K., Pathak S.	Lecture Notes in Networks and Systems	2022	
155	Corrigendum to "Harmonics mitigated multi-objective energy optimization in PV integrated rural distribution network using modified TLBO algorithm" [Renewable Energy Focus 40 (2022) 13–22] (Renewable Energy Focus (2022) 40 (13–22), (S1755008421000582), (10.1016/j.ref.2021.11.001))	Bhatt P.K., Teh J.	Renewable Energy Focus	2022	
156	Effectiveness of Cognitive Behavior Therapy for Stressful Life Event induced Depressive Episodes among Undergraduate College Students	Suraj S., Prakash A., Kolhe S., Maitra S., Patil R.	ECS Transactions	2022	
157	Sensitivity of physical schemes on simulation of severe cyclones over Bay of Bengal using WRF-ARW model: Sensitivity of physical schemes on simulation of severe cyclones over Bay of Bengal using WRF-ARW model	Shenoy M., Raju P.V.S., Prasad V.S., Prasad K.B.R.R.H.	Theoretical and Applied Climatology	2022	
158	Potential Health Benefits of Using Aloe vera as a Feed Additive in Livestock : A Mini-Review	Chandran D., Rajasekharan A., Marthandan V., Emran T.B., Sharun K., Mitra S., Buttar H.S., Kumar H., Tuli H.S., Dhama K.	Indian Veterinary Journal	2022	
159	The role of land surface schemes in non-hydrostatic RegCM on the simulation of Indian summer monsoon	Raju P.V.S., Karadan M.M., Prasad D.H.	International Journal of Climatology	2022	
160	Potential of Desert Medicinal Plants for Combating Resistant Biofilms in Urinary Tract Infections	Singh N., Mishra S., Mondal A., Sharma D., Jain N., Aseri G.K.	Applied Biochemistry and Biotechnology	2022	
161	Fractional integration and differentiation of the (p, q)-extended ? - hypergeometric function and related Jacobi transforms	Gupta M., Modi K., Solanki N.S., Ali S.	Journal of Analysis	2022	
162	Analytical review on deep learning and IoT for smart healthcare monitoring system	Yempally S., Singh S.K., Velliangiri S.	International Journal of Intelligent Unmanned Systems	2022	1
163	Effective Flow Table Space Management Using Policy-Based Routing Approach in Hybrid SDN Network	Paliwal M., Nagwanshi K.K.	IEEE Access	2022	
164	Exploring the molecular interaction of pheniramine with Enterococcus faecalis homoserine kinase: In-silico studies	Yadav J., Singh H., Pal S.K., Das S., Srivastava V.K., Jyoti A., Sharma V., Kumar S., Kaushik S.	Journal of Molecular Recognition	2022	
165	Firefly Optimization Technique for Software Quality Prediction	Pankwar D., Saini G.L., Agarwal P., Singh P.	Lecture Notes in Networks and Systems	2022	
166	An Enhanced Sine–Cosine Algorithm with Balanced Exploration and Exploitation	Rajpurohit J., Sharma T.K.	Lecture Notes in Networks and Systems	2022	



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S. No.	Title of the Paper	Name of the author	Title of the Journal	Year of Publication	Citation Index
167	A Hybrid Metaheuristic for Transmission Tower Design Optimization	Rajpurohit J., Sharma T.K.	Lecture Notes in Networks and Systems	2022	
168	The century-old picture of a nerve spike is wrong: filaments fire, before membrane	Ghosh S., Singh P., Manna J., Saxena K., Sahoo P., Krishnanda S.D., Ray K., Hill J.P., Bandyopadhyay A.	Communicative and Integrative Biology	2022	
169	Deep Learning (CNN) and Transfer Learning: A Review	Gupta J., Pathak S., Kumar G.	Journal of Physics: Conference Series	2022	
170	Cohort study on recognition of plant species using Deep Learning methods	Barhate D., Pathak S., Dubey A.K., Nemade V.	Journal of Physics: Conference Series	2022	
171	5G and beyond Networks for 3D MIMO Using Artificial Intelligence in 5G Network	Yadav R., Tripathi A., Pathak S., Singh Gill H.	Journal of Physics: Conference Series	2022	
172	Ergonomic Analysis of Manual Activities Among Dairy Farm Workers: A Literature Review	Gurnani U., Singh S.K., Sain M.K., Meena M.L.	Lecture Notes in Networks and Systems	2022	
173	Image Processing Using Elephant Herding Optimization: A Review	Soni V., Sharma A., Rajpurohit J.	Lecture Notes in Electrical Engineering	2022	
174	MACHINE LEARNING THEORY AND METHODS	Yadav R., Tripathi A.	Research Notes on Computing and Communication Sciences: Intelligent System Algorithms and Applications in Science and Technology	2022	
175	METAHEURISTICS-BASEDMULTI-OBJECTIVE DESIGN OF ROBUST PROCESS CONTROL SYSTEMS	Katal N., Singh S.K.	Research Notes on Computing and Communication Sciences: Intelligent System Algorithms and Applications in Science and Technology	2022	
176	ARTIFICIAL INTELLIGENCE (AI)	Kaushik M.	Research Notes on Computing and Communication Sciences: Intelligent System Algorithms and Applications in Science and Technology	2022	
177	SMART IRRIGATION USING IOT	Sri A.P., Mudgal A., Kumar B.S.	Research Notes on Computing and Communication Sciences: Intelligent System Algorithms and Applications in Science and Technology	2022	
178	Tribological performance evaluation of slag waste filled phenolic composites for automotive braking applications	Rajan R., Tyagi Y.K., Pruncu C.I., Kulshreshtha S., Ranakoti L., Singh T.	Polymer Composites	2022	
179	Research Notes on Computing and Communication Sciences: INTELLIGENT SYSTEM ALGORITHMS AND APPLICATIONS IN SCIENCE AND TECHNOLOGY	Pathak S., Bhatt P.K., Singh S.K., Tripathi A., Pandey P.K.	Research Notes on Computing and Communication Sciences: Intelligent System Algorithms and Applications in Science and Technology	2022	
180	On the existence and uniqueness analysis of fractional blood glucose-insulin minimal model	Dubey R.S., Goswami P., Baskonus H.M., Gomati A. T.	International Journal of Modeling, Simulation, and Scientific Computing	2022	
181	Slotted waveguide antenna design for maritime radar system	Pathan R., Tripathi A.	Scientific and Technical Journal of Information Technologies, Mechanics and Optics	2022	
182	Deciphering the interdependent labyrinth between gut microbiota and the immune system	Saini A., Dalal P., Sharma D.	Letters in Applied Microbiology	2022	
183	Aquila coyote-tuned deep convolutional neural network for the classification of bare skinned images in websites	Gupta J., Pathak S., Kumar G.	International Journal of Machine Learning and Cybernetics	2022	



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184	IoT-Galvanized pandemic special E-Toilet for generation of sanitized environment	Gupta A.K., Gothwal P., Goyal D., Travieso-Gonzalez C.M.	Journal of Discrete Mathematical Sciences and Cryptography	2022	
185	Towards Explainable and Privacy-Preserving Artificial Intelligence for Personalisation in Autism Spectrum Disorder	Mahmud M., Kaiser M.S., Rahman M.A., Wadhera T., Brown D.J., Shopland N., Burton A., Hughes-Roberts T., Mamun S.A., Ieracitano C., Tania M.H., Moni M.A., Islam M.S., Ray K., Hossain M.S.	Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)	2022	
186	An Investigation in Applying Internet of Things Approach in Safe Food Dietary Plan for Better Chronic Diabetes Management among Elderly Adults	Geetha G., Radeep Krishna R., Vyas S., Sukhwai I., Jain A., Chaturvedi A., Shah M.A.	Journal of Food Quality	2022	
187	Financial literacy: an imperative approach for SMEs growth	Sharma S.	World Review of Entrepreneurship, Management and Sustainable Development	2022	
188	A clickable folic acid-rhamnose conjugate for selective binding to cancer cells	Parashar S., Gupta V., Bhatnagar R., Kausar A.	Results in Chemistry	2022	
189	A review on bending analysis of polymer-based flexible patch antenna for IoT and wireless applications	Shekhawat S., Singh S., Kumar Singh S.	Materials Today: Proceedings	2022	
190	Numerical study due to mixed convection nanofluid flow with the effect of velocity slip and thermal conductivity across curved stretching surface	Kaushik P., Mishra U.	Journal of Integrated Science and Technology	2022	
191	Numerical Simulation of Boundary Layer Flow Over a Moving Plate in The Presence of Magnetic Field and Slip Condition	Rai P., Mishra U.	Journal of Advanced Research in Fluid Mechanics and Thermal Sciences	2022	
192	Ofloxacin and doxycycline competitive/binary adsorption on to MCM-41: isotherm modelling and evaluation	Saxena M., Kushwaha J.P., Kulshreshtha S., Kaur G., Singh N.	Physics and Chemistry of Liquids	2022	
193	A comparative study of different materials used for solar photovoltaics technology	Kumari N., Kumar Singh S., Kumar S.	Materials Today: Proceedings	2022	
194	Correction to: Doxycycline Adsorptive Interaction with Mesoporous MCM-41: Kinetic and Isotherm Modelling with Thermodynamics (Chemistry Africa, (2022), 10.1007/s42250-022-00365-w)	Saxena M., Kushwaha J.P., Kulshreshtha S., Kaur G., Singh N.	Chemistry Africa	2022	
195	Slotted waveguide antenna design for maritime radar system	Pathan R., Tripathi A., Tamboli M., Pathan S.	Microsystem Technologies	2022	
196	Uptake, translocation, transformation and physiological effects of nanoparticles in plants	Rani S., Kumari N., Sharma V.	Archives of Agronomy and Soil Science	2022	
197	Ferroelectric and dielectric behaviour of MWCNT/poly urethane composite	Chaurasia A., Dwivedi U.K., Hashmi S.A.R.	Materials Today: Proceedings	2022	
198	MobEdge: Mobile blockchain-based privacy-edge scheme for healthcare Internet of Things-based ecosystems	Deshmukh V., Pathak S., Bothe S.	Concurrency and Computation: Practice and Experience	2022	
199	Supervised classification model for estimation of wear in sisal fibre-epoxy composites	Gupta P., Dwivedi U.K., Yadav V., Kumar Yadav A.	Materials Today: Proceedings	2022	



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200	Gamma irradiation induced surface plasmon resonance of Cu nanoparticles in fullerene C60	Bhardwaj J., Vishnoi R., Salim A., Yadav S., Ojha S., Dwivedi U., Kandasami A., Kumar P., Sharma G.D., Singhal R.	Surface and Interface Analysis	2022	
201	A Feature Selection-Based K-NN Model for Fast Software Defect Prediction	Awotunde J.B., Misra S., Adeniyi A.E., Abiodun M.K., Kaushik M., Lawrence M.O.	Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)	2022	
202	Development and Characterization of Cu-Al ₂ O ₃ Nanocomposite Coating using Electrodeposition Process on Copper Substrate	Mogra A., Pandey P.K., Gupta K.K., Shivhare S., Bagal V.	Journal of The Institution of Engineers (India): Series C	2022	
203	Traditional Knowledge – Going Multidimensional	Yadav P., Sharma S.B.	Journal of Intellectual Property Rights	2022	
204	Microfluidic Flow Rate Sensor Using Electron Cloud Plasma Transport within Silicon Microring Circuits	Arumona A.E., Garhwal A., Bunruangses M., Pornsuwancharoen N., Ray K., Youplao P., Amiri I.S., Yupapin P.	IEEE Sensors Journal	2021	
205	SARS-CoV-2: Emergence of New Variants and Effectiveness of Vaccines	Singh D.D., Parveen A., Yadav D.K.	Frontiers in Cellular and Infection Microbiology	2021	9
206	Chromatic intervention and biocompatibility assay for biosurfactant derived from <i>Balanites aegyptiaca</i> (L.) Del	Panchariya V., Bhati V., Madhyastha H., Madhyastha R., Prasad J., Sharma P., Sharma P., Harish, Saini M.K., Rajput V.D., Nakajima Y., Kothari S.L., Gour V.S.	Scientific Reports	2021	1
207	NH787 EMS mutant of rice variety Nagina22 exhibits higher phosphate use efficiency	Poli Y., Nallamothu V., Hao A., Goud M.D., Wang X., Desiraju S., Mangrauthia S.K., Jain A.	Scientific Reports	2021	
208	Nanozymes to fight the COVID-19 and future pandemics	Kumawat M., Umaphathi A., Lichtfouse E., Daima H.K.	Environmental Chemistry Letters	2021	6
209	3D Fringe Pattern Coding and Recognition Using Plasmonic Sensing Circuit	Arumona A.E., Garhwal A., Youplao P., Ray K., Khunnam W., Yupapin P.	Plasmonics	2021	
210	Methods to evaluate the toxicity of engineered nanomaterials for biomedical applications: a review	Patel G., Patra C., Srinivas S.P., Kumawat M., Navya P.N., Daima H.K.	Environmental Chemistry Letters	2021	7
211	A comparative appraisal of three important oil yielding plants for their biodiesel potential	Saini M.K., Shukla J.K., Kothari S.L., Gour V.S.	Biologia Futura	2021	
212	Honey-based trap for <i>Pseudomonas</i> : a sustainable prototype for water disinfection	Ranade H., Paliwal P., Pal D., Datta M.	Archives of Microbiology	2021	
213	Neutrophil extracellular traps and organ dysfunction in sepsis	Kumar S., Payal N., Srivastava V.K., Kaushik S., Saxena J., Jyoti A.	Clinica Chimica Acta	2021	8
214	Relative morpho-physiological responses of millets and oats against lead toxicity	Jatav P.K., Verma R., Kothari S.L., Jain R., Kachhwaha S.	Environmental and Experimental Botany	2021	
215	Whey proteins processing and emergent derivatives: An insight perspective from constituents, bioactivities, functionalities to therapeutic applications	Mehra R., Kumar H., Kumar N., Ranvir S., Jana A., Buttar H.S., Telessy I.G., Awuchi C.G., Okpala C.O.R., Korzeniowska M., Guiné R.F.P.	Journal of Functional Foods	2021	8



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3.4.8 Bibliometric of the publications during the last five years based on average Citation Index in Scopus/ Web of Science/PubMed

S. No.	Title of the Paper	Name of the author	Title of the Journal	Year of Publication	Citation Index
216	Breast Cancer Transcriptional Regulatory Network Reprogramming by using the CRISPR/Cas9 System: An Oncogenetics Perspective	Singh D.D., Verma R., Tripathi S.K., Sahu R., Trivedi P., Yadav D.K.	Current Topics in Medicinal Chemistry	2021	6
217	Phage therapeutics: from promises to practices and prospectives	Bhargava K., Nath G., Bhargava A., Aseri G.K., Jain N.	Applied Microbiology and Biotechnology	2021	6
218	Edible mushrooms: A comprehensive review on bioactive compounds with health benefits and processing aspects	Kumar K., Mehra R., Guiné R.P.F., Lima M.J., Kumar N., Kaushik R., Ahmed N., Yadav A.N., Kumar H.	Foods	2021	10
219	Optimization of physical schemes in WRF model on cyclone simulations over Bay of Bengal using one-way ANOVA and Tukey's test	Shenoy M., Raju P.V.S., Prasad J.	Scientific Reports	2021	
220	Fabrication and Machining of Metal Matrix Composite Using Electric Discharge Machining: A Short Review	Jain A., Kumar C.S., Shrivastava Y.	Evergreen	2021	20
221	Filaments and four ordered structures inside a neuron fire a thousand times faster than the membrane: theory and experiment	Singh P., Sahoo P., Ghosh S., Saxena K., Manna J.S., Ray K., Krishnananda S.D., Poznanski R.R., Bandyopadhyay A.	Journal of Integrative Neuroscience	2021	2
222	Dual Solutions of EMHD Nanofluid at Stretching Sheet with Mixed Convection Slip Boundary Condition	Jauhri S., Mishra U.	International Journal of Heat and Technology	2021	
223	OPTIMIZATION OF RECEIVED SIGNAL USING SLOTTED WAVEGUIDE ANTENNA FROM LONG TERM EVOLUTION (LTE) DRIVE TEST DATA USING COMPUTATIONAL INTELLIGENCE	Pathan S., Noonina A., Tamboli M.A., Pathak S.	International Journal on Technical and Physical Problems of Engineering	2021	
224	MODELLING OF MICROWAVE SLOTTED WAVEGUIDE FOR LTE SIGNAL DETECTION	Pathan R., Tripathi A., Tamboli M.A.	International Journal on Technical and Physical Problems of Engineering	2021	1
225	In silico Repurposing of Anticancer Drug (5-Fluorouracil) as an Antibacterial Agent against Klebsiella pneumoniae	Sharma A., Rana A., Mangtani L., Kalra A., Niraj R.R.K.	Letters in Drug Design and Discovery	2021	
226	STATISTICAL ANALYSIS OF MILK PRODUCTION FOR FUTURE PLANNING WITH SPECIAL REFERENCE TO RAJASTHAN	Singh V., Gupta S.K., Prasad J.	International Journal of Agricultural and Statistical Sciences	2021	
227	Corrigendum to "A comprehensive review on the biotechnological intervention for deciphering the pharmacological and other multifarious properties of miracle tree Moringa oleifera" [Ind. Crops Prod. 170 (2021) 113807] (Industrial Crops & Products (2021) 170, (S0926669021005719), (10.1016/j.indcrop.2021.113807))	Jain A., Poli Y., Goud M.D., Drisya Ravi R.S., Bhaskaran S., Wang X., Das S.S., Gupta S., Jain R., Kachhwaha S., Sharma P., Gour V.S., Sarkar A.K., Sahi S.V., Kothari S.L.	Industrial Crops and Products	2021	
228	The flip side of reactive oxygen species in the tropical disease-Amoebiasis	Desure S., Mallika A., Roy M., Jyoti A., Kaushik S., Srivastava V.K.	Chemical Biology and Drug Design	2021	
229	An overview of the phytosynthesis of various metal nanoparticles	Tiwari S., Verma S.K., Bhagat P., Yadav S., Sharma R., Aseri G.K., Sohal J.S., Sharma D., Dwivedi U.K., Singh R., Singh D., Khare N.	3 Biotech	2021	
230	Role of parg in tnbc: Mechanism of inhibition, clinical applications, and resistance	Singh D.D., Parveen A., Yadav D.K.	Biomedicines	2021	4



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3.4.8 Bibliometric of the publications during the last five years based on average Citation Index in Scopus/ Web of Science/PubMed

S. No.	Title of the Paper	Name of the author	Title of the Journal	Year of Publication	Citation Index
231	Current potential therapeutic approaches against sars-cov-2: A review	Yadav D.K., Singh D.D., Han I., Kumar Y., Choi E. H.	Biomedicines	2021	3
232	Potential of Bacteriophage Therapy: A Double Edge Sword to Combat COVID-19 and Associated Pulmonary Bacterial Infections	Bhargava K., Nath G., Aseri G.K., Jain N.	Indian Journal of Pharmaceutical Sciences	2021	
233	Major Health Effects of Casein and Whey Proteins Present in Cow Milk: A Narrative Review	Chandran D., Lejaniya A.S., Mahesh S.V., Maneesh S.V., Sureshkumar R., Buttar H.S., Kumar H., Sharun K., Yattoo M.I., Mohapatra R.K., Dhama K.	Indian Veterinary Journal	2021	
234	A comprehensive review on the biotechnological intervention for deciphering the pharmacological and other multifarious properties of miracle tree Moringa oleifera	Jain A., Poli Y., Goud M.D., Ravi R.S.D., Bhaskaran S., Wang X., Das S.S., Gupta S., Jain R., Kachhwaha S., Sharma P., Gour V.S., Sarkar A.K., Sahi S.V., Kothari S.L.	Industrial Crops and Products	2021	1
235	Importance of real-time PGV in terms of lead-time and shakemaps: Results using 2018 ML 6.2 & 2019 ML 6.3 Hualien, Taiwan earthquakes	Mittal H., Yang B.M., Tseng T.-L., Wu Y.-M.	Journal of Asian Earth Sciences	2021	3
236	Review of an IoT-based Remote Patient Health Monitoring System	Yempally S., Singh S.K., Velliangiri S.	Proceedings - 1st International Conference on Smart Technologies Communication and Robotics, STCR 2021	2021	2
237	Optimization of flaxseed milk fermentation for the production of functional peptides and estimation of their bioactivities	Sharma P., Sharma D., Kaur S., Borah A.	Food Science and Technology International	2021	3
238	Realizing THz RFID Using Silicon Chip Space-Time Control Circuit	Bunruangses M., Arumona A.E., Youplao P., Punthawanunt S., Ray K., Ali J., Yupapin P.	Silicon	2021	
239	Neonatal sepsis at point of care	Jyoti A., Kumar S., Kumar Srivastava V., Kaushik S., Govind Singh S.	Clinica Chimica Acta	2021	2
240	Development of rELISA using novel markers for the diagnosis of paratuberculosis	Jain M., Kumar A., Polavarapu R., Gupta S., Aseri G.K., Sharma D., Sohal J.S.	Journal of Immunological Methods	2021	1
241	Ethnopharmacological and phytochemical attributes of Indian Tinospora species: A comprehensive review	Singh B., Nathawat S., Sharma R.A.	Arabian Journal of Chemistry	2021	2
242	Human-like stereo sensors using plasmonic antenna embedded MZI with space-time modulation control [Invited]	Garhwal A., Arumona A.E., Youplao P., Ray K., Amiri I.S., Yupapin P.	Chinese Optics Letters	2021	2



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S. No.	Title of the Paper	Name of the author	Title of the Journal	Year of Publication	Citation Index
243	Anemia prevalence in women of reproductive age in low- and middle-income countries between 2000 and 2018	Kinyoki D., Osgood-Zimmerman A.E., Bhattacharjee N.V., Schaeffer L.E., Lazzar-Atwood A., Lu D., Ewald S.B., Donkers K.M., Letourneau I.D., Collison M., Schipp M.F., Abajobir A., Abbasi S., Abbasi N., Abbasifard M., Abbasi-Kangevari M., Abbastabar H., Abd-Allah F., Abdelalim A., Abd-Elsalam S.M., Abdoli A., Abdollahpour I., Abedi A., Abolhassani H., Abraham B., Abreu L.G., Abrigo M.R.M., Abualhasan A., Abu-Gharbieh E., Abushouk A.I., Accrombessi M.M.K., Adabi M., Adebayo O.M., Adegbosin A.E., Adekanmbi V., Adetokunboh O.O., Adayinka D.A., Adham D., Advani S.M., Agasthi P., Aghaali M., Ahmad S., Ahmad T., Ahmadi K., Ahmadi S., Ahmed M.B., Aichour M.T.E., Aji B., Akinyemi O.O., Aklilu A., Akunna C.J., Al-Aly Z., Alanzi T.M., Alcalde-Rabanal J.E., Alemu B.W., Alemu A., Alhassan R.K., Alif S.M., Alipour V., Alizade H., Aljunid S.M., Almasi-Hashiani A., Al-Mekhlafi H.M., Al-Raddadi R.M., Alvis-Guzman N., Amini S., Amiri F., Amugsi D.A., Anber N.H., Ancuceanu R., Andrei T., Anegago M.T., Anjomshoa M., Ansari F., Ansari-Moghaddam A., Anteneh Z.A., Antriyandarti E., Anvari D., Anwer R., Aqeel M., Arabloo J., Arab-Zozani M., Aremu O., Areri H.A., Artaman A., Arzani A., Asaad M., Asadi-Aliabadi M., Asadi-Pooya A.A., Asemahagn M.A., Asghari Jafarabadi M., Ashebir M.M., Ataro Z., Athari S.M., Athari S.S., Atout M.M.W., Ausloos M., Awoke N., Ayala Quintanilla B.P., Ayano G., Ayanore M.A., Aynalem Y.A., Ayza M.A., Azadmehr A., B D., Babalola T.K., Badawi A., Badwe A.D., Bahrami Shafie A., Khan S., Batra S., Anjum F., Mohammad T., Alam S., Yadav D.K., Islam A., Hassan Md.I.	Nature Medicine	2021	9
244	Investigating single amino acid substitutions in PIM1 kinase: A structural genomics approach	Shafie A., Khan S., Batra S., Anjum F., Mohammad T., Alam S., Yadav D.K., Islam A., Hassan Md.I.	PLoS ONE	2021	3
245	SARS-CoV-2 transgressing LncRNAs uncovers the known unknowns	Shukla N., Prasad A., Kanga U., Suravajhala R., Nigam V.K., Kishor P.B.K., Polavarapu R., Chaubey G., Singh K.K., Suravajhala P.	Physiological Genomics	2021	1



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3.4.8 Bibliometric of the publications during the last five years based on average Citation Index in Scopus/ Web of Science/PubMed

S. No.	Title of the Paper	Name of the author	Title of the Journal	Year of Publication	Citation Index
246	Generalized Elliptic Integrals Involving Incomplete Fox Wright Function	Shekhawat S., Shukla A., Modi K.	Science and Technology Asia	2021	
247	Protective Effect of Monoisoamyl-2, 3-Dimercaptosuccinic Acid against Manganese-induced Neurotoxicity in Rats	Mishra A., Dahia A., Jaiswal A.	Central Nervous System Agents in Medicinal Chemistry	2021	
248	Assessment of Long-Term in vitro Multiplied Human Wharton's Jelly-Derived Mesenchymal Stem Cells prior to Their Use in Clinical Administration	Panwar U., Mishra K., Patel P., Bharadva S., Vaniawala S., Shah A., Vundinti B.R., Kothari S.L., Ghosh K.	Cells Tissues Organs	2021	
249	Particle distribution analysis of Co-doped ZnO based dilute magnetic semiconductors	Mukherji R., Mathur V., Samariya A., Mukherji M.	Materials Today: Proceedings	2021	



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S. No.	Title of the Paper	Name of the author	Title of the Journal	Year of Publication	Citation Index
250	Global, regional, and national progress towards Sustainable Development Goal 3.2 for neonatal and child health: all-cause and cause-specific mortality findings from the Global Burden of Disease Study 2019	Paulson K.R., Kamran A.M., Alam T., Bhattacharya K., Abady G.G., Abbas J., Abbasi-Kangevari M., Abbastabar H., Abd-Allah F., Abd-Elsalam S.M., Abdoli A., Abedi A., Abolhassani H., Abreu L.G., Abu-Gharbieh E., Abu-Rmeileh N.M.E., Abushouk A.I., Adamu A.L., Adebayo O.M., Adegbosin A.E., Adekanmbi V., Adetokunboh O.O., Adeyinka D.A., Adsuar J.C., Afshari K., Aghaali M., Agudelo- Botero M., Ahinkorah B.O., Ahmad T., Ahmadi K., Ahmed M.B., Aji B., Akalu Y., Akinyemi O.O., Aklilu A., Al-Aly Z., Alam K., Alanezi F.M., Alanzi T.M., Alcalde-Rabanal J.E., Al-Eyadhy A., Ali T., Alicandro G., Alif S.M., Alipour V., Alizade H., Aljunid S.M., Almasi-Hashiani A., Almasri N.A., Al-Mekhlafi H.M., Alonso J., Al-Raddadi R.M., Altirkawi K.A., Alumran A.K., Alvis-Guzman N., Alvis-Zakzuk N.J., Ameyaw E.K., Amini S., Amini-Rarani M., Amit A.M.L., Amugsi D.A., Ancuceanu R., Anderlini D., Andrei C.L., Ansari F., Ansari-Moghaddam A., Antonio C.A.T., Antriyandarti E., Anvari D., Anwer R., Aqeel M., Arabloo J., Arab-Zozani M., Aripov T., Årnlöv J., Artanti K.D., Arzani A., Asaad M., Asadi-Aliabadi M., Asadi-Pooya A.A., Jafarabadi M.A., Athari S.S., Athari S.M., Atnafu D.D., Atreya A., Atteraya M.S., Ausloos M., Awan A.T., Quintanilla B.P.A., Ayano G., Ayanore M.A., Aynalem Y.A., Azari S., Azarian G., Azene Z.N., Darshan B., Babaei E., Badiye A.D., Baig A.A., Banach M., Banik P.C., Barker-Collo S.L., Barqawi H.J., Bassat Q., Basu S., Baune B.T., Bayati M., Bedi N., Beghi E., Beghi M., Bell M.L., Bendak S., Bennett D.A., Bensenor I.M., Berhe K., Berman A.F., Bezabih Y.M.	The Lancet	2021	62
251	Priority based Electric Vehicle Dynamic Charging Station	Jawale S.A., Singh S.K., Singh P.	Proceedings of the 3rd International Conference on Inventive Research in Computing Applications, ICIRCA 2021	2021	
252	Improved Gbest artificial bee colony algorithm for the constraints optimization problems	Sharma S., Kumar S., Sharma K.	Evolutionary Intelligence	2021	5



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S. No.	Title of the Paper	Name of the author	Title of the Journal	Year of Publication	Citation Index
253	In silico prediction, molecular docking and binding studies of acetaminophen and dexamethasone to Enterococcus faecalis diaminopimelate epimerase	Singh H., Das S., Yadav J., Srivastava V.K., Jyoti A., Kaushik S.	Journal of Molecular Recognition	2021	
254	Design and analysis of eight petal flower shaped fractal antenna for THz applications	Keshwala U., Rawat S., Ray K.	Optik	2021	3
255	Numerical solution of nonlinear fractional diffusion equation in framework of the yang–abdel–cattani derivative operator	Malyk I.V., Gorbatenko M., Chaudhary A., Sharma S., Dubey R.S.	Fractal and Fractional	2021	2
256	In silico analysis of the pyretic effect of drugs on antimalarial receptors	Sakpal S., Bastikar A., Kothari S.L., Bastikar V.	Journal of the Indian Chemical Society	2021	
257	Effect of concentration on sensing properties of CoFe ₂ O ₄ /BaTiO ₃ nanocomposites towards LPG	Khan M., Kumari M., Pawar H., Dwivedi U.K., Kurchania R., Rathore D.	Applied Physics A: Materials Science and Processing	2021	2
258	Synthesis, characterization, antimicrobial, MTT assay, DFT study of Co(II), Ni(II), Cu(II) and Zn(II) complexes with some new Schiff base ligands	Tomar D., Chaurasia M., Tyagi P., Agrawal S., Kumar P., Sharma D., Chhikara A., Chandra S.	Egyptian Journal of Chemistry	2021	
259	Morphological Descriptors and Heritability as Markers for Oil Yield in <i>Balanites aegyptiaca</i> (L.) Del.: A Potential Biodiesel Xerophyte	Saini M.K., Prasad J., Raju P.V.S., Kothari S.L., Harish, Shukla J.K., Gour V.S.	Proceedings of the National Academy of Sciences India Section B - Biological Sciences	2021	1
260	Dual preferred learning embedded asynchronous differential evolution with adaptive parameters for engineering applications	Yadav V., Yadav A.K., Kaur M., Singh D.	Sadhana - Academy Proceedings in Engineering Sciences	2021	
261	Characterization and Molecular Verification of Surface Markers Expression and Pluripotency of Wharton's Jelly Derived Mesenchymal Stem Cells (WJ-MSCs)	Urvi Panwar, Mishra K., Patel P., Kothari S., Bharadva S., Ghosh K.	Cell and Tissue Biology	2021	
262	Profiling of polyphenolic compounds of ficus palmata fruits via ultra highperformance liquid chromatography with diode array detector spectrometry	Sharma K., Sharma S., Kumar N., Singh R., Chauhan N.	Medicinal Plants	2021	1
263	Optimal Solution to Economic Load Dispatch by Modified Jaya Algorithm	Kumar B.S., Rastogi A.K., Rajani B., Mehbodniya A., Karunanithi K., Devarapalli D.	2021 6th International Conference on Recent Trends on Electronics, Information, Communication and Technology, RTEICT 2021	2021	
264	Parasitic sorority of speech processing algorithms with an assortment of statistical toolkits	Sudhakaran P., Yadav A.K., Karamchandani S.	Journal of Physics: Conference Series	2021	
265	Keyphrase Extraction using Markov Decision Process from Social Media Data	Garg M., Kumar M., Gupta A.K., Goyal D.	ACM International Conference Proceeding Series	2021	
266	ORR: Optimized Round Robin CPU Scheduling Algorithm	Gupta A.K., Mathur P., Travieso-Gonzalez C.M., Garg M., Goyal D.	ACM International Conference Proceeding Series	2021	
267	A Review and Comparative Study on Surface Vehicle Path Planning Algorithm	Nunia V., Poonia R.C.	ACM International Conference Proceeding Series	2021	
268	Comparative impact of bioinoculants on nutrient uptake, enzyme activities and growth of <i>Cassia angustifolia</i> Vhal (Senna) and <i>Cyamopsis tetragonoloba</i> (L.) (Guar) in Feldspar mine spoil	Junia R., Jain N., Sohal J., Sharma D., Khare N., Aseri G.K.	South African Journal of Botany	2021	



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S. No.	Title of the Paper	Name of the author	Title of the Journal	Year of Publication	Citation Index
269	SOLUTION of the LOCAL FRACTIONAL GENERALIZED KDV EQUATION USING HOMOTOPY ANALYSIS METHOD	Jafari H., Prasad J.G., Goswami P., Dubey R.S.	Fractals	2021	5
270	Influence of γ -irradiation on antioxidant, thermal and rheological properties of native and irradiated whole grain millet flours	Wani H.M., Sharma P., Wani I.A., Kothari S.L., Wani A.A.	International Journal of Food Science and Technology	2021	1
271	A survey on different dimensions for graphical keyword extraction techniques: Issues and Challenges	Garg M.	Artificial Intelligence Review	2021	
272	Cysteine proteases: Battling pathogenic parasitic protozoans with omnipresent enzymes	Rawat A., Roy M., Jyoti A., Kaushik S., Verma K., Srivastava V.K.	Microbiological Research	2021	5



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S. No.	Title of the Paper	Name of the author	Title of the Journal	Year of Publication	Citation Index
273	Mapping inequalities in exclusive breastfeeding in low- and middle-income countries, 2000–2018	Bhattacharjee N.V., Schnaerrer L.E., Hay S.I., Lu D., Schipp M.F., Lazzar-Atwood A., Donkers K.M., Abady G.G., Abd-Allah F., Abdelalim A., Abebo Z.H., Abeje A.N., Abosetugn A.E., Abreu L.G., Abrigo M.R.M., Abu-Gharbieh E., Abushouk A.I., Adamu A.L., Adedeji I.A., Adegbosin A.E., Adekanmbi V., Adetokunboh O.O., Agudelo-Botero M., Aji B., Akinyemi O.O., Alamneh A.A., Alanezi F.M., Alanzi T.M., Albright J., Alcalde-Rabanal J.E., Alemu B.W., Alhassan R.K., Ali B.A., Ali S., Alinia C., Alipour V., Amit A.M.L., Amugsi D.A., Anbesu E.W., Ancuceanu R., Anjomshoa M., Ansari F., Antonio C.A.T., Anvari D., Arabloo J., Arora A., Artanti K.D., Asemahagn M.A., Asmare W.N., Atout M.M.W., Ausloos M., Awoke N., Quintanilla B.P.A., Ayanore M.A., Aynalem Y.A., Ayza M.A., Azene Z.N., Darshan B.B., Badiye A.D., Baig A.A., Bakkannavar S.M., Banach M., Banik P.C., Bärnighausen T.W., Basaleem H., Bayati M., Baye B.A., Bedi N., Belay S.A., Bhagavathula A.S., Bhandari D., Bhardwaj N., Bhardwaj P., Bhutta Z.A., Bijani A., Birhan T.A., Biriha B.M., Bitew Z.W., Bohlouli S., Bohluli M., Bojia H.A., Bolor A., Brady O.J., Bragazzi N.L., Brunoni A.R., Budhathoki S.S., Nagaraja S.B., Butt Z.A., Cárdenas R., Castaldelli-Maia J.M., Castro F., Cernigliaro A., Charan J., Chatterjee P., Chatterjee S., Chattu V.K., Chaturvedi S., Chowdhury M.A.K., Chu D.-T., Collison M.L., Cook A.J., Cork M.A., Couto R.A.S., Dagnew B., Dai H., Dandona L., Dandona R., Daneshpajouhnejad P., Darwesh A.M., Darwish A.H., Dargazi A., Das J.K., Gupta P.D.	Nature Human Behaviour	2021	6
274	TNBC: Potential targeting of multiple receptors for a therapeutic breakthrough, nanomedicine and immunotherapy	Singh D.D., Yadav D.K.	Biomedicines	2021	9
275	Multi- class classification of breast cancer abnormalities using Deep Convolutional Neural Network (CNN)	Khan M.H.-M., Boodoo-Jahangeer N., Dullull W., Nathire S., Gao X., Sinha G.R., Nagwanshi K.K.	PLoS ONE	2021	10



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S. No.	Title of the Paper	Name of the author	Title of the Journal	Year of Publication	Citation Index
276	Transient Spectroscopic Dynamics of Excitons and Polarons in the P3HT:FLR Blend	Patel J., Chauhan M., Sharma A., Vashistha N., Dwivedi U.K., Kumar M., Tripathi B., Pandey M.K., Tiwari J.P.	Journal of Physical Chemistry C	2021	
277	Mathematical model of diabetes and its complication involving fractional operator without singular kernel	Dubey R.S., Goswami P.	Discrete and Continuous Dynamical Systems - Series S	2021	6
278	Decolorization of malachite green dye from aqueous solution using biosurfactant-stabilized iron oxide nanoparticles: process optimization and reaction kinetics	Sharma B., Menon S., Mathur S., Kumari N., Sharma V.	International Journal of Environmental Science and Technology	2021	3
279	Maximizing EPS production from Pseudomonas aeruginosa and its application in Cr and Ni sequestration	Chug R., Mathur S., Kothari S.L., Harish, Gour V.S.	Biochemistry and Biophysics Reports	2021	8
280	Evaluation and Analysis of Soft Computing Techniques for Grid Connected Photo Voltaic System to Enhance Power Quality Issues	Pragathi B., Poonia R.C., Polaiah B., Nayak D.K.	Journal of Electrical Engineering and Technology	2021	4
281	Novel and known miRNAs in zebu (Tharparkar) and crossbred (Karan-Fries) cattle under heat stress	Kumar M., Noyonika, Aggarwal A., Kaul G.	Functional and Integrative Genomics	2021	
282	Knockdown of OsSAE1a affects acquisition and mobilization of nitrogen, and growth and development of rice	Wang X., Jain A., Pei W., Hu Z., Sun S., Huang X.	Plant Growth Regulation	2021	
283	Fractional model of Ebola virus in population of bats in frame of Atangana-Baleanu fractional derivative	M.A.Almuqrin, Goswami P., Sharma S., Khan I., Dubey R.S., Khan A.	Results in Physics	2021	8
284	Power exponentiated family of distributions with application on two real life datasets	Modi K.	Thailand Statistician	2021	
285	Optimization and development of ready to eat chocolate coated roasted flaked rice as instant breakfast food	Kumar S., Baniwal P., Nayik G.A., Prasad K., Khan K.A., Ghramh H.A., Kumar H., Karabagias I.K.	Foods	2021	2
286	Rapid diagnostic methods for SARS-CoV-2 (COVID-19) detection: an evidence-based report	Verma M.K., Sharma P.K., Verma H.K., Singh A.N., Singh D.D., Verma P., Siddiqui A.H.	Journal of medicine and life	2021	3
287	Automated soil prediction using bag-of-features and chaotic spider monkey optimization algorithm	Kumar S., Sharma B., Sharma V.K., Poonia R.C.	Evolutionary Intelligence	2021	27
288	Variant biochemical responses: intrinsic and adaptive system for ecologically different rice varieties	Haq S.U., Kumari D., Dhingra P., Kothari S.L., Kachhwaha S.	Journal of Crop Science and Biotechnology	2021	2
289	Exploring insights of syntaxin superfamily proteins from Entamoeba histolytica: a prospective simulation, protein-protein interaction, and docking study	Batra S., Pancholi P., Roy M., Kaushik S., Jyoti A., Verma K., Srivastava V.K.	Journal of Molecular Recognition	2021	2
290	Plasmonic Antenna Embedded Chalcogenide MZI Circuit for Ultra-high Density Up- and Downlink Transmission	Arumona A.E., Garhwal A., Bunruangses M., Ray K., Youplao P., Punthawanunt S., Yupapin P.	Plasmonics	2021	1
291	Recently isolated food-derived antihypertensive hydrolysates and peptides: A review	Kaur A., Kehinde B.A., Sharma P., Sharma D., Kaur S.	Food Chemistry	2021	21



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3.4.8 Bibliometric of the publications during the last five years based on average Citation Index in Scopus/ Web of Science/PubMed

S. No.	Title of the Paper	Name of the author	Title of the Journal	Year of Publication	Citation Index
292	Analysis and predictions of spread, recovery, and death caused by COVID-19 in India	Kumari R., Kumar S., Poonia R.C., Singh V., Raja L., Bhatnagar V., Agarwal P.	Big Data Mining and Analytics	2021	46
293	Correction to: Synergistic effect of cytokinins and auxins enables mass clonal multiplication of drumstick tree (<i>Moringa oleifera</i> Lam.): a wonder (In Vitro Cellular & Developmental Biology - Plant, (2020), 56, 4, (458-469), 10.1007/s11627-020-10065-0)	Gupta S., Kachhwaha S., Kothari S.L., Jain R.	In Vitro Cellular and Developmental Biology - Plant	2021	
294	Octahedral Cuprous Oxide Decorated Flexible Reduced Graphene Oxide Paper for Food Sensing Application	Song R., Li Z., Mishra R.K., Wei P., Zhao X., Zhu Z.	Electroanalysis	2021	3
295	Chemometric approaches to analyze the colostrum physicochemical and immunological (IgG) properties in the recently registered Himachali Pahari cow breed in India	Mehra R., Kumar S., Verma N., Kumar N., Singh R., Bhardwaj A., Nayan V., Kumar H.	LWT	2021	3
296	Biosensing applications of carbon-based materials	Joshi P., Mishra R., Narayan R.J.	Current Opinion in Biomedical Engineering	2021	18
297	Covid-19 fallout: Interplay between stressors and support on academic functioning of Malaysian university students	Noman M., Kaur A., Nafees N.	Children and Youth Services Review	2021	5
298	Assessment of role of cuticular wax in adaptive physiological responses of <i>Calotropis procera</i> and <i>Calotropis gigantea</i>	Sharma P., Bala N., Saini M.K., Jain A., Kothari S.L., Gour V.S.	Plant Physiology Reports	2021	1
299	Effect of concentration on lattice strain, dielectric properties and activation energy of CoFe ₂ O ₄ /BaTiO ₃ nanocomposites	Dwivedi U.K., Kumari M., Khan M., Pawar H., Singhal R., Rathore D.	Applied Physics A: Materials Science and Processing	2021	2
300	Optimization of agrobacterium mediated genetic transformation in <i>Paspalum scrobiculatum</i> L. (kodo millet)	Bhatt R., Asopa P.P., Jain R., Kothari-Chajer A., Kothari S.L., Kachhwaha S.	Agronomy	2021	3
301	The effects of phytohormones and yeast extract on callus development of medicinally important endangered plant, <i>rauwolfia serpentina</i> (L.)	Verma S.K., Bhagat P., Yadav S., Goyary D., Aseri G.K., Khare N.	Annals of Biology	2021	
302	Enhanced callus growth of medicinally important <i>rauwolfia serpentina</i> (L.) through supplementation of phytohormones and L-glutamine	Verma S.K., Bhagat P., Bhargava A., Chatta A., Goyary D., Aseri G.K., Khare N.	Annals of Agri Bio Research	2021	
303	coaxial atom probe array: Live imaging reveals hidden circuits of a hippocampal neural network	Singh P., Saxena K., Sahoo P., Ghosh S., Bandyopadhyay A.	Journal of Neurophysiology	2021	11
304	Control strategies for electric vehicle charging station: A review	Jawale S.A., Singh S.K., Singh P.	2021 2nd International Conference for Emerging Technology, INCET 2021	2021	
305	A Vigorous Chaotic Function Based Image Authentication Structure	Singh A.K., Gandhi V.C., Madhusudhana Subramanyam M., Kumar S., Aggarwal S., Tiwari S.	Journal of Physics: Conference Series	2021	
306	Ultra-High Capacity FSK Transmission Using Silicon Microring Embedded Gold Grating Circuits	Arumona A.E., Amiri I.S., Punthawanunt S., Ray K., Yupapin P.	Silicon	2021	
307	Bloch wave concept: transmission line model based on protein polarized dendrites treated as dielectric waveguide resonator	Singh P., Lugo J.E., Faubert J., Ray K., Bandyopadhyay A.	Indian Journal of Physics	2021	



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S. No.	Title of the Paper	Name of the author	Title of the Journal	Year of Publication	Citation Index
308	Self-assembled ruthenium decorated electrochemical platform for sensitive and selective determination of amisulpride in presence of co-administered drugs using safranin as a mediator	Asran A.M., Mohamed M.A., Eldin G.M.G., Mishra R.K., Errachid A.	Microchemical Journal	2021	8
309	Role of calcination on dielectric properties of BaTiO ₃ nanoparticles as a gas sensor	Pawar H., Khan M., Kumari M., Dwivedi U.K., Prasad T., Kumar R., Rathore D.	Applied Physics A: Materials Science and Processing	2021	1
310	Synthesis, solvatochromism and electric dipole moment study of coumarin-fused quinoline: experimental and quantum chemical computational investigations	Joshi S.	European Physical Journal D	2021	
311	Cytoskeletal filaments deep inside a neuron are not silent: They regulate the precise timing of nerve spikes using a pair of vortices	Singh P., Sahoo P., Saxena K., Manna J.S., Ray K., Ghosh S., Bandyopadhyay A.	Symmetry	2021	10
312	Microring Plasmonic Circuit Characteristics Using Space-Time Modulation Control	Arumona A.E., Amiri I.S., Punthawanunt S., Youplao P., Ray K., Yupapin P.	Plasmonics	2021	1
313	Nutritional attributes of bovine colostrum components in human health and disease: A comprehensive review	Mehra R., Singh R., Nayan V., Buttar H.S., Kumar N., Kumar S., Bhardwaj A., Kaushik R., Kumar H.	Food Bioscience	2021	12
314	Design and analysis of DNA shaped antenna for terahertz and sub-terahertz applications	Keshwala U., Rawat S., Ray K.	Optik	2021	5
315	Micro-supercapacitor characteristics using a micro-ring space-time control circuit	Arumona A.E., Garhwal A., Punthawanunt S., Youplao P., Ray K., Yupapin P.	Journal of Computational Electronics	2021	1
316	Mechanical, Thermal and Thermomechanical Properties of Sponge Iron Slag filled Needle-Punched Nonwoven Jute Epoxy Hybrid Composites	Sharma A., Choudhary M., Agarwal P., Joshi S., Biswas S.K., Patnaik A.	Fibers and Polymers	2021	3
317	Recent developments in enzymatic antioxidant defence mechanism in plants with special reference to abiotic stress	Rajput V.D., Harish, Singh R.K., Verma K.K., Sharma L., Quiroz-Figueroa F.R., Meena M., Gour V.S., Minkina T., Sushkova S., Mandzhieva S.	Biology	2021	36
318	Long non-coding rnas in insects	Choudhary C., Sharma S., Meghwanshi K.K., Patel S., Mehta P., Shukla N., Do D.N., Rajpurohit S., Suravajhala P., Shukla J.N.	Animals	2021	9
319	IResponse: An AI and IoT-enabled framework for autonomous COVID-19 pandemic management	Alam F., Almaghthawi A., Katib I., Albeshri A., Mehmood R.	Sustainability (Switzerland)	2021	19
320	Naphthoquinones and their derivatives: Emerging trends in combating microbial pathogens	Mone N.S., Bhagwat S.A., Sharma D., Chaskar M., Patil R.H., Zamboni P., Nawani N.N., Satpute S.K.	Coatings	2021	7
321	Guar (Cyamopsis tetragonoloba L.): A Potential Candidate for the Rehabilitation of Feldspar Mine Spoil Amended with Bioinoculants	Junia R., Kasana R.C., Jain N., Aseri G.K.	Indian Journal of Agricultural Research	2021	
322	COVID-19 responsive teaching of undergraduate architecture programs in India: learnings for post-pandemic education	Varma A., Jafri M.S.	Archnet-IJAR	2021	15



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S. No.	Title of the Paper	Name of the author	Title of the Journal	Year of Publication	Citation Index
323	Reducing phenanthrene uptake and translocation, and accumulation in the seeds by overexpressing OsNRT2.3b in rice	Wang X., Jain A., Huang X., Lan X., Xu L., Zhao G., Cong X., Zhang Z., Fan X., Hu F.	Science of the Total Environment	2021	3
324	Design of a Scheduling Algorithm in 3D MIMO Beamforming 5G Systems for Interference Mitigation	Yadav R., Tripathi A.	2021 7th International Conference on Advanced Computing and Communication Systems, ICACCS 2021	2021	
325	Hybrid Algorithm for Detection of Events and Power Quality Disturbances Associated with Distribution Network in the Presence of Wind Energy	Kaushik R., Mahela O.P., Bhatt P.K.	2021 International Conference on Advance Computing and Innovative Technologies in Engineering, ICACITE 2021	2021	
326	Food-Derived Anticancer Peptides: A Review	Sharma P., Kaur H., Kehinde B.A., Chhikara N., Sharma D., Panghal A.	International Journal of Peptide Research and Therapeutics	2021	15
327	Hall effect sensors using polarized electron cloud spin orientation control	Arumona A.E., Garhwal A., Youplao P., Amiri I.S., Ray K., Punthawanunt S., Yupapin P.	Microscopy Research and Technique	2021	1
328	Microtubules as one-dimensional crystals: Is crystal-like structure the key to the information processing of living systems?	Sanchez-Castro N., Palomino-Ovando M.A., Singh P., Sahu S., Toledo-Solano M., Faubert J., Lugo J.E., Bandyopadhyay A., Ray K.	Crystals	2021	1
329	Hybrid AODV: An Efficient Routing Protocol for Manet Using MFR and Firefly Optimization Technique	Goyal A., Sharma V.K., Kumar S., Poonia R.C.	Journal of Interconnection Networks	2021	7
330	Influence of Coir Fiber Geometry on Mechanical Properties of SiC Filled Epoxy Composites	Mishra S., Nayak C., Sharma M.K., Dwivedi U.K.	Silicon	2021	6
331	Experimental and numerical investigation of mechanical and erosion behavior of barium sulphate filled glass fiber reinforced polymer composites	Choudhary M., Sharma A., Agarwal P., Singh T., Patnaik T., Patnaik A.	Polymer Composites	2021	11
332	Study of dielectric and electromagnetic shielding behaviour of BaTiO ₃ -CoFe ₂ O ₄ filled LDPE composite	Vaid K., Chaurasia A., Rathore D., Singhal R., Dwivedi U.K.	Polymer Composites	2021	2
333	Effect of micro-sized marble dust on mechanical and thermo-mechanical properties of needle-punched nonwoven jute fiber reinforced polymer composites	Sharma A., Choudhary M., Agarwal P., Biswas S.K., Patnaik A.	Polymer Composites	2021	8
334	Functional role of iNOS-Rac2 interaction in neutrophil extracellular traps (NETs) induced cytotoxicity in sepsis	Kumar S., Gupta E., Gupta N., Kaushik S., Srivastava V.K., Mehta S., Jyoti A.	Clinica Chimica Acta	2021	3
335	Ultra-wideband mushroom shaped half-sinusoidal antenna for THz applications	Keshwala U., Ray K., Rawat S.	Optik	2021	14
336	Simulations of Indian summer monsoon using RegCM: a comparison with ERA and GFDL analysis	Karadan M.M., Raju P.V.S., Mishra A.	Theoretical and Applied Climatology	2021	1
337	Real-time production of PGA, PGV, intensity, and sa shakemaps using dense mems-based sensors in Taiwan	Yang B.M., Mittal H., Wu Y.-M.	Sensors (Switzerland)	2021	6
338	Predicting of Open Source Software Component Reusability Level Using Object-Oriented Metrics by Taguchi Approach	Saini G.L., Panwar D., Kumar S., Singh V., Poonia R.C.	International Journal of Software Engineering and Knowledge Engineering	2021	2
339	Usance of industrial 4.0 technique to overcome the pandemic situation of COVID-19	Bhardwaj V., Agarwal P., Nayak S.R., Sisodiya M.S., Singh V.	IOP Conference Series: Materials Science and Engineering	2021	



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S. No.	Title of the Paper	Name of the author	Title of the Journal	Year of Publication	Citation Index
340	Mapping routine measles vaccination in low- and middle-income countries	Soarra A.N., Roire S., Nguyen J.Q., Eari L., Galles N.C., Marks A., Abbas K.M., Abbasi-Kangevari M., abbastabar H., Abd-Allah F., Abdelalim A., Abdollahi M., Abegaz K.H., Abiy H.A.A., Abolhassani H., Abreu L.G., Abrigo M.R.M., Abushouk A.I., Accrombessi M.M.K., Adabi M., Adebayo O.M., Adekanmbi V., Adetokunboh O.O., Adham D., Afarideh M., Aghaali M., Ahmad T., Ahmadi R., Ahmadi K., Ahmed M.B., Alanezi F.M., Alanzi T.M., Alcalde-Rabanal J.E., Alemnew B.T., Ali B.A., Ali M., Alijanzadeh M., Alinia C., Alipoor R., Alipour V., Alizade H., Aljunid S.M., Almasi A., Almasi-Hashiani A., Al-Mekhlafi H.M., Altirkawi K.A., Amare B., Amini S., Amini-Rarani M., Amiri F., Amit A.M.L., Amugsi D.A., Ancuceanu R., Andrei C.L., Anjomshoa M., Ansari F., Ansari-Moghaddam A., Ansha M.G., Antonio C.A.T., Antriyandarti E., Anvari D., Arabloo J., Arab-Zozani M., Aremu O., Armoon B., Aryal K.K., Arzani A., Asadi-Aliabadi M., Asgari S., Atafar Z., Ausloos M., Awoke N., Quintanilla B.P.A., Ayanore M.A., Aynalem Y.A., Azadmehr A., Azari S., Babaei E., Badawi A., Badiye A.D., Bahrami M.A., Baig A.A., Bakhtiari A., Balakrishnan S., Banach M., Banik P.C., Barac A., Baradaran-Seyed Z., Baraki A.G., Basu S., Bayati M., Bayou Y.T., Bedi N., Behzadifar M., Bell M.L., Berbada D.A., Berhe K., Bhattarai S., Bhutta Z.A., Bijani A., Birhanu M., Bisanzio D., Biswas A., Bohlouli S., Bolla S.R., Borzouei S., Brady O.J., Bragazzi N.L., Briko A.N., Briko N.I., Nagaraja S.B., Butt Z.A., Cámara L.A., Campos-Nogueira L.R., Car...	Nature	2021	27
341	Colorimetric sensing approaches of surface-modified gold and silver nanoparticles for detection of residual pesticides: a review	Singh R., Thakur P., Thakur A., Kumar H., Chawla P., V. Rohit J., Kaushik R., Kumar N.	International Journal of Environmental Analytical Chemistry	2021	19
342	Bacterial stress response: understanding the molecular mechanics to identify possible therapeutic targets	Kumar A., Rahal A., Sohal J.S., Gupta V.K.	Expert Review of Anti-Infective Therapy	2021	2
343	Perception of Plant Diseases in Color Images Through Adaboost	Sandesh Kumar C., Sharma V.K., Yadav A.K., Singh A.	Advances in Intelligent Systems and Computing	2021	3



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3.4.8 Bibliometric of the publications during the last five years based on average Citation Index in Scopus/ Web of Science/PubMed

S. No.	Title of the Paper	Name of the author	Title of the Journal	Year of Publication	Citation Index
344	Quaternion, Octonion to Dodecanion Manifold: Stereographic Projections from Infinity Lead to a Self-operating Mathematical Universe	Singh P., Sahoo P., Saxena K., Ghosh S., Sahu S., Ray K., Fujita D., Bandyopadhyay A.	Advances in Intelligent Systems and Computing	2021	2
345	Improved air quality and associated mortalities in India under COVID-19 lockdown	Naqvi H.R., Datta M., Mutreja G., Siddiqui M.A., Naqvi D.F., Naqvi A.R.	Environmental Pollution	2021	41
346	Preface	Ray K., Roy K.C., Toshniwal S.K., Sharma H., Bandyopadhyay A.	Lecture Notes in Networks and Systems	2021	
347	A Space-Time-Topology-Prime, stTS Metric for a Self-operating Mathematical Universe Uses Dodecanion Geometric Algebra of 2-20 D Complex Vectors	Singh P., Sahoo P., Saxena K., Ghosh S., Sahu S., Ray K., Fujita D., Bandyopadhyay A.	Lecture Notes in Networks and Systems	2021	1
348	Making of Streptavidin Conjugated Crypto-Nanobot: An Advanced Resonance Drug for Cancer Cell Membrane Specificity	Singhania A., Sahoo P., Ray K., Bandyopadhyay A., Ghosh S.	Lecture Notes in Networks and Systems	2021	
349	Designing of UWB Monopole Antenna with Triple Band Notch Characteristics at WiMAX/C-Band/WLAN	Vijay S.K., Ahmad M.R., Ahmad B.H., Rawat S., Singh P., Ray K., Bandyopadhyay A.	Lecture Notes in Networks and Systems	2021	1
350	Simulation based study for estimation of COVID-19 spread in India using SEIR model	Modi K., Umate L., Makade K., Dubey R.S., Agarwal P.	Journal of Interdisciplinary Mathematics	2021	
351	Prediction of COVID-19 pandemic measuring criteria using support vector machine, prophet and linear regression models in Indian scenario	Gupta A.K., Singh V., Mathur P., Travieso-Gonzalez C.M.	Journal of Interdisciplinary Mathematics	2021	10
352	A statistical analysis of COVID-19 using Gaussian and probabilistic model	Nayak S.R., Arora V., Sinha U., Poonia R.C.	Journal of Interdisciplinary Mathematics	2021	12
353	Clustering Algorithms for MANETs: A Review on Design and Development	Pathak S., Jain S., Borah S.	Advances in Intelligent Systems and Computing	2021	1
354	Computable generalization of fractional kinetics equation with special functions	Singh Y., Gill V., Singh J., Kumar D., Khan I.	Journal of King Saud University - Science	2021	6
355	Thermomechanism: Snake pit membrane	Singh P., Ray K., Yupapin P., Tiong O.C., Ali J., Bandyopadhyay A.	Advances in Intelligent Systems and Computing	2021	
356	Comparative analysis of different classifiers on eeg signals for predicting epileptic seizure	Sharma M.K., Ray K., Yupapin P., Kaiser M.S., Ong C.T., Ali J.	Advances in Intelligent Systems and Computing	2021	
357	Preface	Kaiser M.S., Mahmud M., Ray K., Bandyopadhyay A.	Advances in Intelligent Systems and Computing	2021	
358	Building a non-ionic, non-electronic, non-algorithmic artificial brain: Cortex and connectome interaction in a humanoid bot subject (hbs)	Singh P., Sahoo P., Ray K., Ghosh S., Bandyopadhyay A.	Advances in Intelligent Systems and Computing	2021	2
359	Em signal processing in bio-living system	Singh P., Ray K., Yupapin P., Tiong O.C., Ali J., Bandyopadhyay A.	Advances in Intelligent Systems and Computing	2021	
360	A secure and robust color image watermarking using nature-inspired intelligence	Sharma S., Sharma H., Sharma J.B., Poonia R.C.	Neural Computing and Applications	2021	5



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S. No.	Title of the Paper	Name of the author	Title of the Journal	Year of Publication	Citation Index
361	Integrating Metamaterial Antenna Node and LiFi for Privacy Preserving Intelligent COVID-19 Hospital Patient Management	Garhwal A., Bunruangsang M., Arumona A.E., Youplao P., Ray K., Suwande S., Yupapin P.	Cognitive Computation	2021	4
362	Molecular Diagnostic Tools for the Detection of SARS-CoV-2	Datta M., Singh D.D., Naqvi A.R.	International Reviews of Immunology	2021	11
363	Colorimetric sensing approaches based on silver nanoparticles aggregation for determination of toxic metal ions in water sample: a review	Singh R., Mehra R., Walia A., Gupta S., Chawla P., kumar H., Thakur A., Kaushik R., Kumar N.	International Journal of Environmental Analytical Chemistry	2021	7
364	Functional Pediococcus acidilactici BC1 for the revitalization of ethnic black carrot kanji of indian subcontinent	Manzoor M., Sharma V., Singh D., Sohal J.S., Aseri G.K., Khare N., Vij S., Saroop J., Sharma D.	Biocatalysis and Agricultural Biotechnology	2021	
365	DALIA- a comprehensive resource of Disease Alleles in Arab population	Vatsyayan A., Sharma P., Gupta S., Sandhu S., Venu S.L., Sharma V., Badaoui B., Azedine K., Youssef S., Rajab A., Fayez A., Madinur S., Ranawat A., Pandhare K., Ramachandran S., Sivasubbu S., Scaria V.	PLoS ONE	2021	
366	Design, measurements, and analysis of enhanced bandwidth UWB: On-body antenna for ambient intelligence environment	Singh R., Ray K., Yupapin P., Ali J.	International Journal of Ambient Computing and Intelligence	2021	
367	FESD: An Approach for Biometric Human Footprint Matching Using Fuzzy Ensemble Learning	Basheer S., Nagwanshi K.K., Bhatia S., Dubey S., Sinha G.R.	IEEE Access	2021	17
368	Infrastructure project finance: a systematic literature review and directions for future research	Kumar A., Srivastava V., Tabash M.I.	Qualitative Research in Financial Markets	2021	1
369	Optimization of hybrid aluminium metal matrix composite using red mud and wheat husk ash	Dewangan R., Pandey P.K., Rajput N.S., Dohare R.	Lecture Notes in Mechanical Engineering	2021	1
370	TiO ₂ /PVDF-based polymer nanocomposites and their various characterizations	Singh S., Rathore D., Rajput N.S., Dwivedi U.K.	Lecture Notes in Mechanical Engineering	2021	1
371	Investigation of efficiency of flat plate collector using CuO–H ₂ O nanofluid	Rajput N.S., Singh S., Kulshreshtha S.	Lecture Notes in Mechanical Engineering	2021	1
372	A Review of Plant Diseases Identification Using Deep Learning	Sharma P., Gupta A.K., Kushwaha R.C.	Lecture Notes in Networks and Systems	2021	2
373	Autonomous Drone Using ROS for Surveillance and 3D Mapping Using Satellite Map	Jain N., Gupta A.K., Mathur P.	Lecture Notes in Networks and Systems	2021	1
374	A Survey on Various Cryptography Techniques for Image Encryption and Decryption	Mathur R., Gupta A.K., Mathur P.	Lecture Notes in Networks and Systems	2021	
375	A Efficient Approach for Securing Images Using RSA and Arnold Technique Metamorphose	Giri K., Dadheech P., Gupta A.K.	Lecture Notes in Networks and Systems	2021	
376	Preface	Goyal D., Piuri V., Paprzycki M., Gupta A.K., Ganzha M.	Lecture Notes in Networks and Systems	2021	
377	Robotic Waiters: Detecting Table to Serve Using RFID Tags	Mishra N., Goyal D., Sharma A.D., Gupta A.K.	Lecture Notes in Networks and Systems	2021	
378	CPU Scheduling in Operating System: A Review	Agrawal P., Gupta A.K., Mathur P.	Lecture Notes in Networks and Systems	2021	1
379	An Overview of the Emerging Technology: Sixth Sense Technology: A Review	Bari R., Gupta A.K., Mathur P.	Lecture Notes in Networks and Systems	2021	



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380	Review on Zero-Knowledge Proof Method	Midha M., Gupta A.K., Mathur P.	Lecture Notes in Networks and Systems	2021	1
381	Implementation and Application of Machine Learning in Health Care: A Review	Singh H., Gupta A.K.	Lecture Notes in Networks and Systems	2021	
382	Qualitative analysis of 2019-nCoV mathematical model via an efficient computational technique	Devi A., Jakhar M., Singh Y.	Journal of Interdisciplinary Mathematics	2021	
383	Key Distribution Using Graphs for Secret Sharing	Malhotra R., Chandramowliswaran N.	Turkish World Mathematical Society Journal of Applied and Engineering Mathematics	2021	
384	Effectiveness of Big Data in Early Prediction and Measure for COVID-19 Using Data Science	Tomar P., Mann M., Panwar D., Diwaker C., Kumar P.	Studies in Systems, Decision and Control	2021	
385	Effect of Taro (Colocasia esculenta) Enrichment on Physicochemical and Textural Properties of Cake	Saklani A., Kaushik R., Chawla P., Kumar N., Kumar M.	International Journal of Food Studies	2021	3
386	Study of impact of COVID-19 on different age groups using machine learning classifiers	Patil H., Sharma S., Raja L.	Journal of Interdisciplinary Mathematics	2021	1
387	Guest Editors	Poonia R.C., Dass P., Kumar S., Singh V., Agarwal P.	Journal of Interdisciplinary Mathematics	2021	
388	Improved SMO Based on Perturbation Rate in Local Leader Phase	Tanwar N., Sharma V.P., Punia S.K.	Communications in Computer and Information Science	2021	
389	MOX based E-nose for non-invasive biomedical applications	JOARDER M.S.H., KULHARI L., bin AHMAD B.H., RAY K.	Przeglad Elektrotechniczny	2021	1
390	Guest Editors	Poonia R.C., Dass P., Kumar S., Singh V., Agarwal P.	Journal of Interdisciplinary Mathematics	2021	
391	Mechanism of nanotoxicity in Chlorella vulgaris exposed to zinc and iron oxide	Saxena P., Saharan V., Baroliya P.K., Gour V.S., Rai M.K., Harish	Toxicology Reports	2021	5
392	Semantic Web Technologies	Prasad J.R., Shelke P.M., Prasad R.S.	Studies in Computational Intelligence	2021	1
393	Semantic Internet of Things (IoT) Interoperability Using Software Defined Network (SDN) and Network Function Virtualization (NFV)	Prasad J.R., Bendale S.P., Prasad R.S.	Studies in Computational Intelligence	2021	2
394	Formulation, Characterization, and In Vitro Mineral Absorption of Ficus Palmata Fruit Extract Nanoemulsion	Prashar S., Sharma S., Kumar N., Kaushik R., Chawla P.	Journal of the American College of Nutrition	2021	3
395	Numerical solution of fractional model of HIV-1 infection in framework of different fractional derivatives	Alzaid S.S., Alkahtani B.S.T., Sharma S., Dubey R.S.	Journal of Function Spaces	2021	3
396	The moderating role of exhibitionism in the relationship between psychological needs and selfie-posting behavior	Arpaci I., Tak P., Shekhawat H.	Current Psychology	2021	1
397	Visual Naked Eye Colorimetric Determination of Phorate Pesticide Using Nanotechnology [????????????? ?????????? ?????????? ?????????? ? ?????????????? ??????????????]	Singh R., Kumar N.	Journal of Nano- and Electronic Physics	2021	1
398	Designing of Triple Band Octagonal Ring Antenna for Flexible and Wearable Application [????????????? ?????????????? ?????????????? ?????????????? ?????????? ??? ?????????? ?? ?????????????? ??????????????]	Vijay S.K., Ahmad B.H., Rawat S., Ray K.	Journal of Nano- and Electronic Physics	2021	



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3.4.8 Bibliometric of the publications during the last five years based on average Citation Index in Scopus/ Web of Science/PubMed

S. No.	Title of the Paper	Name of the author	Title of the Journal	Year of Publication	Citation Index
414	Role of lacto-fermentations in reduction of antinutrients in plant-based foods	Manzoor M., Singh D., Aseri G.K., Sohal J.S., Vij S., Sharma D.	Journal of Applied Biology and Biotechnology	2021	
415	Enhanced optimization assisted interference mitigation with vertical beamforming in 3D MIMO-OFDMA for 5G wireless communication network	Yadav R., Tripathi A.	International Journal of Pervasive Computing and Communications	2021	1
416	A public domain dataset to recognize driver entry into and exit from a car using smartphone sensors	Hirawat A., Taterh S., Sharma T.K.	International Journal of Systems Assurance Engineering and Management	2021	
417	Production, Purification And Characterization Of A Novel Bacteriocin Produced By Bacillus Subtilis Vs Isolated From Mango (Mangifera Indica L.)	Sharma V., Aseri G., Bhagwat P., Jain N., Ranveer R.C.	Brazilian Archives of Biology and Technology	2021	
418	Preface	Mehta Y.A., Carnacina I., Kumar D.N., Rao K.R., Kumari M.	Lecture Notes in Civil Engineering	2021	
419	Dynamic Sorption of Methylene Blue (MB) Dye in Continuous Column Using Bio-Sorbent (Ailanthus excelsa Roxb)	Bansal S., Pandey P.K., Upadhyaya S.	Asian Journal of Water, Environment and Pollution	2021	1
420	A comprehensive distance protection strategy for solar-powered textile microgrid	Bhatt P.K.	Journal of the Textile Institute	2021	
421	Evaluation of energy-efficient retrofit potential for government offices in India	Dandia G., Sudhakaran P., Basu C.	Architecture and Engineering	2021	
422	Solution of modified bergman minimal blood glucose-insulin model using Caputo-Fabrizio fractional derivative	Dubey R.S., Baleanu D., Mishra M.N., Goswami P.	CMES - Computer Modeling in Engineering and Sciences	2021	1
423	Prevalence of Musculoskeletal Disorders Among Bank Employees of Maharashtra: A Case Study	Dhengre N., Rajput N.S., Katarne R., Kulshreshtha S.	Lecture Notes in Mechanical Engineering	2021	
424	Polyvinyl Alcohol Scaffold Incorporated with Silver Nanoparticles and Titanium Dioxide: Electrical, Dielectric, Dye Degradation, and Antibacterial Properties	Saji J., Umapathi A., Manohara S.R., Navya P.N., Kumawat M., Prakash D., Daima H.K.	Lecture Notes in Mechanical Engineering	2021	2
425	Approach Toward Design for Manufacturing Assembly of Fiber Reinforced Plastics Fan Blade for Cooling Tower	Sharma A., Kukshal V., Agarwal P., Kapre A.V.	Lecture Notes in Mechanical Engineering	2021	
426	Smart Agriculture Using Internet of Things (IoT) and Wireless Sensor Network: Problems and Prospects	Poonia A.S., Banerjee C., Banerjee A., Sharma S.K.	Lecture Notes in Mechanical Engineering	2021	
427	Antibody engineering and its therapeutic applications	Kandari D., Bhatnagar R.	International Reviews of Immunology	2021	2
428	India: Nuclear strategy and emerging challenges	Singh A., Singh A., Adhichwal N.K.	International Journal of Global Energy Issues	2021	
429	Enhanced Signal Processing Using Modified Cyclic Shift Tree Denoising	Hussain H., Wan Abd Aziz W.S.N.A., Chee-Ming T., Noman F.M., Ahmad Zubaidi A.L., Samdin S.B., Sh H., Jalil M.A., Yusoff Y., Jacob K., Ray K., Kaiser M.S., Shaikh Salleh S.H., Ali J.	Communications in Computer and Information Science	2021	



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S. No.	Title of the Paper	Name of the author	Title of the Journal	Year of Publication	Citation Index
430	Key Techniques and Challenges for Processing of Heart Sound Signals	Shaikh Salleh S.H., Noman F.M., Chee-Ming T., Syed Hamid S.R.B.G., Hussain S.H.B.S., Jalil M.A., Ahmad Zubaidi A.L., Jacob K., Ray K., Kaiser M.S., Ali J.	Communications in Computer and Information Science	2021	1
431	An Error Resilient Video Transmission in Ad Hoc Network Using Error Diffusion Block Truncation Coding	Kumar S.S., Kumar K.S., Jalil M.A., Kavikumar J., Ray K., Nagarajan D.	Communications in Computer and Information Science	2021	
432	WBCs-Net: type identification of white blood cells using convolutional neural network	Baghel N., Verma U., Nagwanshi K.K.	Multimedia Tools and Applications	2021	6
433	Slip Effect on an Unsteady Ferromagnetic Fluid Flow Toward Stagnation Point Over a Stretching Sheet	Preeti K., Upendra M., Singh V.K.	Trends in Mathematics	2021	1
434	Minimized false alarm predictive threshold for cloud service providers	Arora A.S., Raja L., Bahl B.	Recent Advances in Computer Science and Communications	2021	1
435	Metaheuristics algorithms for virtual machine placement in cloud computing environments—a review	Gabhane J.P., Pathak S., Thakare N.M.	Lecture Notes on Data Engineering and Communications Technologies	2021	1
436	Big data over cloud, its infrastructure & security	Goyal D., Gupta A.K., Mathur P.	Recent Advances in Computer Science and Communications	2021	
437	Multiarea Economic Dispatch Using Evolutionary Algorithms	Kumar S., Kumar V., Katal N., Singh S.K., Sharma S., Singh P.	Mathematical Problems in Engineering	2021	3
438	Identifying Individuals Using EEG-Based Brain Connectivity Patterns	Hussain H., Ting C.-M., Jalil M.A., Ray K., Rizvi S.Z.H., Kavikumar J., Noman F.M., Zubaidi A.L.A., Low Y.F., Sh-Hussain, Mahmud M., Kaiser M.S., Ali J.	Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)	2021	
439	Secure multi-objective hybrid routing protocol for wireless sensor network	Kaushik R., Singh V., Kumari R.	Recent Patents on Engineering	2021	
440	A review on applications of nanomaterials in hotel industry: Prospects for food processing, packaging, and safety	Dani R., Yashwant Singh R., Murdia M., Bagchi P.	Materials Today: Proceedings	2021	2
441	A dynamic window-size based segmentation technique to detect driver entry and exit from a car	Hirawat A., Taterh S., Sharma T.K.	Journal of King Saud University - Computer and Information Sciences	2021	
442	Typhoon Haikui induced sea surface temperature cooling and rainfall influence over Zhejiang coastal waters	Subrahmanyam M.V., Shengyan Y., Raju P.V.S.	Atmosfera	2021	
443	Probing the Peculiarity of EhRabX10, a pseudoRab GTPase, from the Enteric Parasite Entamoeba histolytica through in Silico Modeling and Docking Studies	Roy M., Kaushik S., Jyoti A., Srivastava V.K.	BioMed Research International	2021	1
444	A Bioinformatics Approach for the Prediction of Immunogenic Properties and Structure of the SARS-COV-2 B.1.617.1 Variant Spike Protein	Srivastava V.K., Kaushik S., Bhargava G., Jain A., Saxena J., Jyoti A.	BioMed Research International	2021	2
445	Recent advances in polymer based functionally graded Composites	Singh S., Dwivedi U.K., Chandra Shukla S.	Materials Today: Proceedings	2021	2



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S. No.	Title of the Paper	Name of the author	Title of the Journal	Year of Publication	Citation Index
446	Tribological properties of fiber reinforced phenolic composites under sliding condition	Singh T., Goswami C., Kumar S.R., Singh S.	Materials Today: Proceedings	2021	1
447	Experimental investigation on influence of damping response of composite material by natural fibers- a review	Gupta A., Sharma R., Katarne R.	Materials Today: Proceedings	2021	2
448	Business In Society Needs to Turn Business for Society (A Conceptual Approach)	Soni V., Agrawal V.	Review of International Geographical Education Online	2021	
449	Insights into the molecular determinants involved in Mycobacterium tuberculosis persistence and their therapeutic implications	Joshi H., Kandari D., Bhatnagar R.	Virulence	2021	1
450	3d Printing: Basic principles and applications	Thakar C.M., Parkhe S.S., Jain A., Phasinam K., Murugesan G., Ventayen R.J.M.	Materials Today: Proceedings	2021	42
451	SECS/GEMsec: A Mechanism for Detection and Prevention of Cyber-Attacks on SECS/GEM Communications in Industry 4.0 Landscape	Laghari S.U.A., Manickam S., Al-Ani A.K., Rehman S.U., Karuppayah S.	IEEE Access	2021	
452	Classification of UNSW-NB15 dataset using Exploratory Data Analysis using Ensemble Learning	Sharma N., Yadav N.S., Sharma S.	EAI Endorsed Transactions on Industrial Networks and Intelligent Systems	2021	
453	Rock Hyrax intelligent optimisation algorithm: An exploration for Web 3.0 domain selection	Suresh Kumar B., Bhargava D., Kar A.K., Igiri C.P.	International Journal of Advanced Intelligence Paradigms	2021	
454	The role of technology readiness in students' perception and behaviour towards e-learning technologies	Shah T.R., Shah T.T., Jain A.	International Journal of Learning Technology	2021	
455	Multi-class SVM based network intrusion detection with attribute selection using infinite feature selection technique	Kaushik R., Singh V., Kumari R.	Journal of Discrete Mathematical Sciences and Cryptography	2021	1
456	Emerging Protein Biomarkers in Epithelial Ovarian Cancer Prognosis: An Aid for Multivariate Indexing	Paliwal P., Ranade H., Desai D., Datta M.	Current Protein and Peptide Science	2021	2
457	CLASSIFICATION AND MECHANISM OF BACTERIOCIN INDUCED CELL DEATH: A REVIEW	Sharma K., Kaur S., Singh R., Kumar N.	Journal of Microbiology, Biotechnology and Food Sciences	2021	1
458	Review of Recommender System for OTT platform through Artificial Intelligence	Pattanayak S., Shukla V.K.	2021 9th International Conference on Reliability, Infocom Technologies and Optimization (Trends and Future Directions), ICRITO 2021	2021	
459	EFFECTIVENESS OF HEALTH RISK COMMUNICATION DURING PANDEMIC: AN EXPLORATIVE STUDY	Kaur R., Jain A., Sharma J.	Journal of Content, Community and Communication	2021	
460	Current molecular diagnostics assays for SARS-CoV-2 and emerging variants	Banks J.M., Capistrano K., Thakkar P., Ranade H., Soni V., Datta M., Naqvi A.R.	Methods in Microbiology	2022	
461	EVALUATION OF A NEW CLASS OF DOUBLE INTEGRALS INVOLVING GENERALIZED HYPERGEOMETRIC FUNCTION ${}_4F_3$	Kim J., Kim I., Harsh H.V.	Australian Journal of Mathematical Analysis and Applications	2021	
462	Transcorneal Kinetics of Topical Drugs and Nanoparticles	Srinivas S.P., Chaiyasan W., Burli A., Guidoboni G., Sacco R., Anand A., Siraj A.H., Daima H.K., Kompella U.B.	AAPS Advances in the Pharmaceutical Sciences Series	2021	



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3.4.8 Bibliometric of the publications during the last five years based on average Citation Index in Scopus/ Web of Science/PubMed

S. No.	Title of the Paper	Name of the author	Title of the Journal	Year of Publication	Citation Index
463	Events recognition and power quality estimation in distribution network in the presence of solar PV generation	Kaushik R., Mahela O.P., Bhatt P.K.	Proceedings - 2021 IEEE 10th International Conference on Communication Systems and Network Technologies, CSNT 2021	2021	
464	A Study of Commonly Observed Degradation Methods in Photovoltaic Modules	Kumari N., Singh S.K.	2021 International Conference on Advancements in Electrical, Electronics, Communication, Computing and Automation, ICAECA 2021	2021	1
465	Intelligent Transformer Tap Controller for Harmonic Elimination in Hybrid Distribution Network	Bhatt P.K., Kaushik R.	Proceedings of the 5th International Conference on Electronics, Communication and Aerospace Technology, ICECA 2021	2021	1
466	Machine Learning based Cardiac Magnetic Resonance Imaging (CMRI) for Cardiac Disease Detection	Ramesh M., Mandapati S., Prasad B.V.V.S., Kumar B.S.	2021 2nd International Conference on Smart Technologies in Computing, Electrical and Electronics, ICSTCEE 2021 - Proceedings	2021	
467	Statistical analysis on the COVID-19 infection spread in United State of America: A Prophet Forecasting Model	Mishra S.R., Mathur P., Gupta A.K., Baag S., Nagwanshi K.K., Tailor S., Verma A.	Proceedings of the IEEE International Conference Image Information Processing	2021	
468	Comparative structural analysis of CNC milling machine bed using Al-SiC/graphite, Al alloy and Al-SiC composite material	Kumar R., Jain A., Mishra S.K., Joshi M., Singh K., Jain R.	Materials Today: Proceedings	2021	2
469	Fabrication and Machining of Fiber Matrix Composite through Electric Discharge Machining: A short review	Jain A., Kumar C.S., Shrivastava Y.	Materials Today: Proceedings	2021	17
470	Improvement of Power Quality in Distribution Grid with Renewable Energy Generation Using DSTATCOM	Kaushik R., Mahela O.P., Bhatt P.K.	3rd IEEE International Virtual Conference on Innovations in Power and Advanced Computing Technologies, i-PACT 2021	2021	
471	Concept Drift Detection for Social Media: A Survey	Patil M.A., Kumar S., Kumar S., Garg M.	Proceedings - 2021 3rd International Conference on Advances in Computing, Communication Control and Networking, ICAC3N 2021	2021	
472	Model Comparison and Multiclass Implementation Analysis on the UNSW NB15 Dataset	Rathod N.A., Gupta T., Sharma N.V., Sharma S.	2021 International Conference on Computational Performance Evaluation, ComPE 2021	2021	
473	The Future of Internet of Vehicle : Challenges and Applications	Dhanare R., Nagwanshi K.K., Varma S., Pathak S.	2021 International Conference on Computational Performance Evaluation, ComPE 2021	2021	
474	On-Demand Routing Protocols for Vehicular Cloud Computing	Poonia R.C., Raja L.	Research Anthology on Architectures, Frameworks, and Integration Strategies for Distributed and Cloud Computing	2021	
475	Curcumin and isonicotinic acid hydrazide functionalized gold nanoparticles for selective anticancer action	Umapathi A., PN N., Madhyastha H., Singh M., Madhyastha R., Maruyama M., Daima H.K.	Colloids and Surfaces A: Physicochemical and Engineering Aspects	2020	14
476	Plant leaf disease identification using exponential spider monkey optimization	Kumar S., Sharma B., Sharma V.K., Sharma H., Bansal J.C.	Sustainable Computing: Informatics and Systems	2020	45
477	In-Silico Repurposing of Anticancer Drug (5-FU) as an Antimicrobial Agent Against Methicillin-Resistant Staphylococcus aureus (MRSA)	Sharma A., Sharma A., Rana A., Niraj R.R.K.	International Journal of Peptide Research and Therapeutics	2020	3



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3.4.8 Bibliometric of the publications during the last five years based on average Citation Index in Scopus/ Web of Science/PubMed

S. No.	Title of the Paper	Name of the author	Title of the Journal	Year of Publication	Citation Index
478	Gesture image segmentation with Otsu's method based on noise adaptive angle threshold	Xiao L., Ouyang H., Fan C., Umer T., Poonia R.C., Wan S.	Multimedia Tools and Applications	2020	8
479	Detection and characterization of CO gas using LTCC micro-hotplates	Kulhari L., Ray K., Suri N., Khanna P.K.	Sadhana - Academy Proceedings in Engineering Sciences	2020	3
480	Micro-metamaterial antenna characteristics using microring embedded silver bars	Arumona A.E., Garhal A., Punthawanunt S., Ray K., Youplao P., Yupapin P.	Microsystem Technologies	2020	2
481	Electron cloud spin generated by microring space-time control circuit for 3D quantum printing	Arumona A.E., Punthawanunt S., Ray K., Phunklang S., Yupapin P.	Microwave and Optical Technology Letters	2020	2
482	Modeling of a superconducting sensor with microring-embedded gold-island space-time control	Bunruangses M., Arumona A.E., Youplao P., Pornsuwancharoen N., Ray K., Yupapin P.	Journal of Computational Electronics	2020	4
483	Impact of amino acid substitution in the kinase domain of Bruton tyrosine kinase and its association with X-linked agammaglobulinemia	Mohammad T., Amir M., Prasad K., Batra S., Kumar V., Hussain A., Rehman M.T., AlAjmi M.F., Hassan M.I.	International Journal of Biological Macromolecules	2020	8
484	Plant shaped antenna with trigonometric half sine tapered leaves for THz applications	Keshwala U., Rawat S., Ray K.	Optik	2020	10
485	Analytical solution of non-linear fractional Burger's equation in the framework of different fractional derivative operators	Malyk I., Shrahili M.M.A., Shafay A.R., Goswami P., Sharma S., Dubey R.S.	Results in Physics	2020	8
486	Indian summer monsoon features in the NCEP analysis and forecast system	Raju P.V.S., Mishra A., Sundari A.B.T.	Journal of Earth System Science	2020	
487	Knockdown of OsSAE1a affects the growth and development and phosphate homeostasis in rice	Pei W., Jain A., Zhao G., Feng B., Xu D., Wang X.	Journal of Plant Physiology	2020	2
488	Engineering bioactive surfaces on nanoparticles and their biological interactions	Matur M., Madhyashta H., Shruthi T.S., Madhyashta R., Srinivas S.P., Navya P.N., Daima H.K.	Scientific Reports	2020	13
489	Antioxidant, nutritional, structural, thermal and physico-chemical properties of psyllium (<i>Plantago ovata</i>) seeds	Shah A.R., Sharma P., Gour V.S., Kothari S.L., Dar K.B., Ganie S.A., Shah Y.R.	Current Research in Nutrition and Food Science	2020	2
490	Solvatochromic Study of Supramolecular Amphiphile Based on Calix[4]arene Connected to a Fluorescent Benzofurazan Moiety at Lower Rim: Evaluation of Ground and Excited State Dipole Moments	Joshi S.	Optics and Spectroscopy	2020	
491	Deep Q learning-based mitigation of man in the middle attack over secure sockets layer websites	Manhas S., Taterh S., Singh D.	Modern Physics Letters B	2020	1
492	Surface Morphology and Physicochemical Characterization of Thermostable Moringa Gum: A Potential Pharmaceutical Excipient	Gupta S., Kachhwaha S., Kothari S.L., Bohra M.K., Jain R.	ACS Omega	2020	4
493	Recent Advances in Pathophysiology, Drug Development and Future Perspectives of SARS-CoV-2	Singh D.D., Han I., Choi E.-H., Yadav D.K.	Frontiers in Cell and Developmental Biology	2020	15
494	Effect of concentration of SiC on physicochemical properties of CoFe ₂ O ₄ /SiC nanocomposites	Khan M., Pawar H., Kumari M., Patra C., Patel G., Dwivedi U.K., Rathore D.	Journal of Alloys and Compounds	2020	6



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S. No.	Title of the Paper	Name of the author	Title of the Journal	Year of Publication	Citation Index
495	Identification and categorization of lean manufacturing barriers in Indian SMEs	Sharma S.S., Pandey P., Sharma B.P.	AIP Conference Proceedings	2020	1
496	Red rice conjugated with barley and rhododendron extracts for new variant of beer	Mehra R., Kumar H., Kumar N., Kaushik R.	Journal of Food Science and Technology	2020	7
497	Proteomic analysis reveals the damaging role of low redox laccase from <i>Yersinia enterocolitica</i> strain 8081 in the midgut of <i>Helicoverpa armigera</i>	Ahlawat S., Singh D., Yadav A., Singh A.K., Virdi J.S., Sharma K.K.	Biotechnology Letters	2020	6
498	In-silico study of Betaine aldehyde dehydrogenase isozyme (BBD2) from <i>Hordeum Vulgare</i> : Homology modeling, Docking, and Molecular Dynamics simulation approach	Hemani S., Shailesh K., Sumit G., Divya S.	Research Journal of Biotechnology	2020	
499	Nutritional Composition and Health Benefits of Psyllium (<i>Plantago ovata</i>) Husk and Seed	Shah A.R., Sharma P., Longvah T., Gour V.S., Kothari S.L., Shah Y.R., Ganie S.A.	Nutrition Today	2020	1
500	Sustainable dyeing of selected natural and synthetic fabrics using waste teak leaves (<i>Tectona Grandis L.</i>)	Agrawal A., Chopra S.	Research Journal of Textile and Apparel	2020	2



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S. No.	Title of the Paper	Name of the author	Title of the Journal	Year of Publication	Citation Index
501	Measuring universal health coverage based on an index of effective coverage of health services in 204 countries and territories, 1990–2019: a systematic analysis for the Global Burden of Disease Study 2019	Lozano R., Fullman N., Murray T.J.E., Knight J., Barthelemy C.M., Abbafati C., Abbastabar H., Abd Allah F., Abdollahi M., Abedi A., Abolhassani H., Abosetugn A.E., Abreu L.G., Abrigo M.R.M., Abu Haimed A.K., Abushouk A.I., Adabi M., Adebayo O.M., Adekanmbi V., Adelson J., Adetokunboh O.O., Adham D., Advani S.M., Afshin A., Agarwal G., Agasthi P., Aghamir S.M.K., Agrawal A., Ahmad T., Akinyemi R.O., Alahdab F., Al-Aly Z., Alam K., Albertson S.B., Alemu Y.M., Alhassan R.K., Ali M., Ali S., Alipour V., Aljunid S.M., Alla F., Almadi M.A.H., Almasi A., Almasi-Hashiani A., Almasri N.A., Al-Mekhlafi H.M., Almulhim A.M., Alonso J., Al-Raddadi R.M., Altirkawi K.A., Alvis-Guzman N., Alvis-Zakzuk N.J., Amini S., Amini-Rarani M., Amiri F., Amit A.M.L., Amugsi D.A., Ancuceanu R., Anderlini D., Andrei C.L., Androudi S., Ansari F., Ansari-Moghaddam A., Antonio C.A.T., Antony C.M., Antriyandarti E., Anvari D., Anwer R., Arabloo J., Arab-Zozani M., Aravkin A.Y., Aremu O., Årnlöv J., Asaad M., Asadi-Aliabadi M., Asadi-Pooya A.A., Athari S.S., Atout M.M.W., Ausloos M., Avila-Burgos L., Ayala Quintanilla B.P., Ayano G., Ayanore M.A., Aynalem Y.A., Aynalem G.L., Ayza M.A., Azari S., Azzopardi P.S., B D.B., Babaei E., Badiye A.D., Bahrami M.A., Baig A.A., Bakhshaei M.H., Bakhtiari A., Bakkannavar S.M., Balachandran A., Banach M., Banerjee S.K., Banik P.C., Bante A.B., Bante S.A., Barker-Collo S.L., Bärnighausen T.W., Barrero L.H., Bassat Q., Basu S., Baune B.T., Bayati M., Baye B.A., Bedi N., Beghi E., Behzadifar M., Bekuma T.T.T., Bell M.L.	The Lancet	2020	128



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S. No.	Title of the Paper	Name of the author	Title of the Journal	Year of Publication	Citation Index
502	Global age-sex-specific fertility, mortality, healthy life expectancy (HALE), and population estimates in 204 countries and territories, 1950–2019: a comprehensive demographic analysis for the Global Burden of Disease Study 2019	Abbarati C., Machado D.B., Cristagni B., Saiman O.M., Karanikolos M., McKee M., Abbas K.M., Brady O.J., Larson H.J., Trias-Llimós S., Cummins S., Langan S.M., Sartorius B., Hafiz A., Jenabi E., Mohammad Gholi Mezerji N., Borzouei S., Azarian G., Khazaei S., Abbasi M., Asghari B., Masoumi S., Komaki H., Taherkhani A., Adabi M., Abbasifard M., Bazmandegan G., Kamiab Z., Vakilian A., Anjomshoa M., Mokari A., Sabour S., Shahbaz M., Saeedi R., Ahmadieh H., Yousefinezhadi T., Haj-Mirzaian A., Nikbakhsh R., Safi S., Asgari S., Irvani S.N., Jahanmehr N., Ramezanzadeh K., Abbasi-Kangevari M., Khayamzadeh M., Abbastabar H., Shirkoohi R., Fazlzadeh M., Janjani H., Hosseini M., Mansournia M., Tohidinik H., Bakhtiari A., Fazaeli A., Mousavi S., Hasanazadeh A., Nabavizadeh B., Malekzadeh R., Hashemian M., Pourshams A., Salimzadeh H., Sepanlou S.G., Afarideh M., Esteghamati A., Esteghamati S., Ghajar A., Heidari B., Rezaei N., Mohamadi E., Rahimi-Movaghar A., Rahim F., Eskandarieh S., Sahraian M., Mohebi F., Aminorroaya A., Ebrahimi H., Farzadfar F., Mohajer B., Pishgar F., Saeedi Moghaddam S., Shabani M., Zarafshan H., Abolhassani H., Hafezi-Nejad N., Heidari-Soureshjani R., Abdollahi M., Farahmand M., Salamati P., Mehrabi Nasab E., Tajdini M., Aghamir S., Mirzaei R., Dibaji Forooshani Z., Khater M.M., Abd-Allah F., Abdelalim A., Abualhasan A., El-Jaafary S.I., Hassan A., Elsharkawy A., Khater A.M., Elhabashy H.R., Salem M.P.R., Salem H., Sadeqi M., Infarinia	The Lancet	2020	296



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3.4.8 Bibliometric of the publications during the last five years based on average Citation Index in Scopus/ Web of Science/PubMed

S. No.	Title of the Paper	Name of the author	Title of the Journal	Year of Publication	Citation Index
503	Global burden of 87 risk factors in 204 countries and territories, 1990–2019: a systematic analysis for the Global Burden of Disease Study 2019	Abbarati C., Abbas K.M., Abbasi-Kangevari M., Abd-Allah F., Abdelalim A., Abdollahi M., Abdollahpour I., Abegaz K.H., Abolhassani H., Aboyans V., Abreu L.G., Abrigo M.R.M., Abualhasan A., Abu-Raddad L.J., Abushouk A.I., Adabi M., Adekanmbi V., Adeoye A.M., Adetokunboh O.O., Adham D., Advani S.M., Afshin A., Agarwal G., Aghamir S.M.K., Agrawal A., Ahmad T., Ahmadi K., Ahmadi M., Ahmadieh H., Ahmed M.B., Akalu T.Y., Akinyemi R.O., Akinyemiju T., Akombi B., Akunna C.J., Alahdab F., Al-Aly Z., Alam K., Alam S., Alam T., Alanezi F.M., Alanzi T.M., Alemu B.W., Alhabib K.F., Ali M., Ali S., Alicandro G., Alinia C., Alipour V., Alizade H., Aljunid S.M., Alla F., Allebeck P., Almasi-Hashiani A., Al-Mekhlafi H.M., Alonso J., Altirkawi K.A., Amini-Rarani M., Amiri F., Amugsi D.A., Ancuceanu R., Anderlini D., Anderson J.A., Andrei C.L., Andrei T., Angus C., Anjomshoa M., Ansari F., Ansari-Moghaddam A., Antonazzo I.C., Antonio C.A.T., Antony C.M., Antriyandarti E., Anvari D., Anwer R., Appiah S.C.Y., Arabloo J., Arab-Zozani M., Aravkin A.Y., Ariani F., Armoon B., Ärnlöv J., Arzani A., Asadi-Aliabadi M., Asadi-Pooya A.A., Ashbaugh C., Assmus M., Atafar Z., Atnafu D.D., Atout M.M.W., Ausloos F., Ausloos M., Ayala Quintanilla B.P., Ayano G., Ayanore M.A., Azari S., Azarian G., Azene Z.N., Badawi A., Badiye A.D., Bahrami M.A., Bakhshaei M.H., Bakhtiari A., Bakkannavar S.M., Baldasseroni A., Ball K., Ballew S.H., Balzi D., Banach M., Banerjee S.K., Bante A.B., Baraki A.G., Barker-Cole S.L., Bärnighausen T.W., Barrero L.H.,	The Lancet	2020	1249



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3.4.8 Bibliometric of the publications during the last five years based on average Citation Index in Scopus/ Web of Science/PubMed

S. No.	Title of the Paper	Name of the author	Title of the Journal	Year of Publication	Citation Index
504	Global burden of 369 diseases and injuries in 204 countries and territories, 1990–2019: a systematic analysis for the Global Burden of Disease Study 2019	Abbarati C., Abbas K.M., Abbasi-Kangevari M., Abd-Allah F., Abdelalim A., Abdollahi M., Abdollahpour I., Abegaz K.H., Abolhassani H., Aboyans V., Abreu L.G., Abrigo M.R.M., Abualhasan A., Abu-Raddad L.J., Abushouk A.I., Adabi M., Adekanmbi V., Adeoye A.M., Adetokunboh O.O., Adham D., Advani S.M., Afshin A., Agarwal G., Aghamir S.M.K., Agrawal A., Ahmad T., Ahmadi K., Ahmadi M., Ahmadi H., Ahmed M.B., Akalu T.Y., Akinyemi R.O., Akinyemiju T., Akombi B., Akunna C.J., Alahdab F., Al-Aly Z., Alam K., Alam S., Alam T., Alanezi F.M., Alanzi T.M., Alemu B.W., Alhabib K.F., Ali M., Ali S., Alicandro G., Alinia C., Alipour V., Alizade H., Aljunid S.M., Alla F., Allebeck P., Almasi-Hashiani A., Al-Mekhlafi H.M., Alonso J., Altirkawi K.A., Amini-Rarani M., Amiri F., Amugsi D.A., Ancuceanu R., Anderlini D., Anderson J.A., Andrei C.L., Andrei T., Angus C., Anjomshoa M., Ansari F., Ansari-Moghaddam A., Antonazzo I.C., Antonio C.A.T., Antony C.M., Antriyandarti E., Anvari D., Anwer R., Appiah S.C.Y., Arabloo J., Arab-Zozani M., Aravkin A.Y., Ariani F., Armoon B., Ärnlöv J., Arzani A., Asadi-Aliabadi M., Asadi-Pooya A.A., Ashbaugh C., Assmus M., Atafar Z., Atnafu D.D., Atout M.M.W., Ausloos F., Ausloos M., Ayala Quintanilla B.P., Ayano G., Ayanore M.A., Azari S., Azarian G., Azene Z.N., Badawi A., Badiye A.D., Bahrami M.A., Bakhshaei M.H., Bakhtiari A., Bakkannavar S.M., Baldasseroni A., Ball K., Ballew S.H., Balzi D., Banach M., Banerjee S.K., Bante A.B., Baraki A.G., Barker-Cole S.L., Bärnighausen T.W., Barrero L.H.,	The Lancet	2020	2220



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S. No.	Title of the Paper	Name of the author	Title of the Journal	Year of Publication	Citation Index
505	Five insights from the Global Burden of Disease Study 2019	Abbarati C., Machado D.B., Cristagni B., Sairman O.M., Karanikolos M., McKee M., Abbas K.M., Brady O.J., Larson H.J., Trias-Llimós S., Cummins S., Langan S.M., Sartorius B., Hafiz A., Jenabi E., Mohammad Gholi Mezerji N., Borzouei S., Azarian G., Khazaei S., Abbasi M., Asghari B., Masoumi S., Komaki H., Taherkhani A., Adabi M., Abbasifard M., Bazmandegan G., Kamiab Z., Vakilian A., Anjomshoa M., Mokari A., Sabour S., Shahbaz M., Saeedi R., Ahmadieh H., Yousefinezhadi T., Haj-Mirzaian A., Nikbakhsh R., Safi S., Asgari S., Irvani S.N., Jahanmehr N., Ramezanzadeh K., Abbasi-Kangevari M., Khayamzadeh M., Abbastabar H., Shirkoohi R., Fazlzadeh M., Janjani H., Hosseini M., Mansournia M., Tohidinik H., Bakhtiari A., Fazaeli A., Mousavi S., Hasanazadeh A., Nabavizadeh B., Malekzadeh R., Hashemian M., Pourshams A., Salimzadeh H., Sepanlou S.G., Afarideh M., Esteghamati A., Esteghamati S., Ghajar A., Heidari B., Rezaei N., Mohamadi E., Rahimi-Movaghar A., Rahim F., Eskandarieh S., Sahraian M., Mohebi F., Aminorroaya A., Ebrahimi H., Farzadfar F., Mohajer B., Pishgar F., Saeedi Moghaddam S., Shabani M., Zarafshan H., Abolhassani H., Hafezi-Nejad N., Heidari-Soureshjani R., Abdollahi M., Farahmand M., Salamati P., Mehrabi Nasab E., Tajdini M., Aghamir S., Mirzaei R., Dibaji Forooshani Z., Khater M.M., Abd-Allah F., Abdelalim A., Abualhasan A., El-Jaafary S.I., Hassan A., Elsharkawy A., Khater A.M., Elhabashy H.R., Salem M.P.P., Salem H., Sadeqi M., Infarinato	The Lancet	2020	135
506	Surface refined AuQuercetin nanoconjugate stimulates dermal cell migration: Possible implication in wound healing	H. M., S. H., N. Q.I., R. M., A. M., R. S., L. S. S., K. B., P. B., H. D., P. N. N., M. M., Y. N.	RSC Advances	2020	7
507	Improvement of Mineral Absorption and Nutritional Properties of Citrullus vulgaris Seeds Using Solid-State Fermentation	Chawla P., Kumar V., Bains A., Singh R., Sadh P.K., Kaushik R., Kumar N.	Journal of the American College of Nutrition	2020	8
508	3D-quantum interferometer using silicon microring-embedded gold grating circuit	Arumona A.E., Amiri I.S., Punthawanunt S., Ray K., Singh G., Bharti G.K., Yupapin P.	Microscopy Research and Technique	2020	5
509	Inverted K-shaped antenna with partial ground for THz applications	Keshwala U., Rawat S., Ray K.	Optik	2020	18



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S. No.	Title of the Paper	Name of the author	Title of the Journal	Year of Publication	Citation Index
510	c-Phycocyanin primed silver nano conjugates: Studies on red blood cell stress resilience mechanism	Madhyastha H., Madhyastha R., Thakur A., Kentaro S., Dev A., Singh S., Chandrashekhara R B., Kumar H., Acevedo O., Nakajima Y., Daima H.K., Aradhya A., Nagaraj P N., Maruyama M.	Colloids and Surfaces B: Biointerfaces	2020	12
511	Recent advances and perspectives in sweat based wearable electrochemical sensors	Mohan A.M.V., Rajendran V., Mishra R.K., Jayaraman M.	TrAC - Trends in Analytical Chemistry	2020	49
512	Genetic diversity in leafy mustard (Brassica juncea var. rugosa) as revealed by agro-morphological traits and SSR markers	Sharma D., Nanjundan J., Singh L., Singh S.P., Parmar N., Sujith Kumar M.S., Singh K.H., Mishra A.K., Singh R., Verma K.S., Thakur A.K.	Physiology and Molecular Biology of Plants	2020	3
513	Microplasma Source Circuit Using Microring Space-Time Distortion Control	Garhwal A., Arumona A.E., Ray K., Youplao P., Suwantee S., Yupapin P.	IEEE Transactions on Plasma Science	2020	5
514	Microbial Fabrication of Zinc Oxide Nanoparticles and Evaluation of Their Antimicrobial and Photocatalytic Properties	Jain D., Shivani, Bhojiya A.A., Singh H., Daima H.K., Singh M., Mohanty S.R., Stephen B.J., Singh A.	Frontiers in Chemistry	2020	21
515	Modified grasshopper optimisation algorithm	Kumari R., Kumar S., Nayyar A.	ACM International Conference Proceeding Series	2020	
516	Co _{1-x} BaxFe ₂ O ₄ (x= 0, 0.25, 0.5, 0.75 and 1) nanoferrites as gas sensor towards NO ₂ and NH ₃ gases	Pawar H., Khan M., Mitharwal C., Dwivedi U.K., Mitra S., Rathore D.	RSC Advances	2020	4
517	Electron Cloud Spectroscopy Using Micro-Ring Fabry-Perot Sensor Embedded Gold Grating	Arumona A.E., Garhwal A., Youplao P., Amiri I.S., Ray K., Punthawanunt S., Yupapin P.	IEEE Sensors Journal	2020	11
518	Rab GTPases take centre stage in understanding Entamoeba histolytica biology	Verma K., Srivastava V.K., Datta S.	Small GTPases	2020	13
519	A Survey on Hybrid, 3D, Interference Mitigation and Secure Data Beamforming Techniques for 5G System	Yadav R., Tripathi A.	Wireless Personal Communications	2020	4
520	Mindfulness model using polariton oscillation in plasmonic circuit for human performance management	Suwantee S., Arumona A.E., Ray K., Youplao P., Yupapin P.	Axioms	2020	2
521	Optimization of nutritive factors in culture medium for the growth of hairy root and ajmalicine content in sarpagandha, Rauwolfia serpentina	Bhagat P., Verma S.K., Yadav S., Singh A.K., Aseri G.K., Khare N.	Journal of Environmental Biology	2020	3
522	Analytical Study for Fractional Order Mathematical Model of Concentration of Ca ²⁺ in Astrocytes Cell with a Composite Fractional Derivative	Gill V., Singh Y., Kumar D., Singh J.	Journal of Multiscale Modelling	2020	5
523	Highlights of strategies adapted by two Pennisetum glaucum (L.) R. Br. races in a simulated drought stress experiment	Iwuala E.N., Odjegba V.J., Sharma V., Alam A.	Plant Gene	2020	2
524	Planococcus Species – An Imminent Resource to Explore Biosurfactant and Bioactive Metabolites for Industrial Applications	Waghmode S., Suryavanshi M., Sharma D., Satpute S.K.	Frontiers in Bioengineering and Biotechnology	2020	5
525	Synergistic effect of cytokinins and auxins enables mass clonal multiplication of drumstick tree (Moringa oleifera Lam.): a wonder	Gupta S., Kachhawa S., Kothari S.L., Jain R.	In Vitro Cellular and Developmental Biology - Plant	2020	11



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S. No.	Title of the Paper	Name of the author	Title of the Journal	Year of Publication	Citation Index
526	Anti-obesity efficacy of the selected high altitude Himalayan herbs: in vitro studies	Kumar M., Guleria S., Chawla P., Khan A., Modi V.K., Kumar N., Kaushik R.	Journal of Food Science and Technology	2020	3
527	Nature inspired 21 branches sneezewort/Achillea ptarmica plant growth pattern–shaped antenna for Ku-band applications	Keshwala U., Rawat S., Ray K.	International Journal of RF and Microwave Computer-Aided Engineering	2020	3
528	Averting transmission: A pivotal target to manage amoebiasis	Rawat A., Singh P., Jyoti A., Kaushik S., Srivastava V.K.	Chemical Biology and Drug Design	2020	6
529	Comparative evaluation of Mycobacterium avium subspecies paratuberculosis (MAP) recombinant secretory proteins as DTH marker for paratuberculosis	Jain M., Singh A.K., Singh M., Gupta S., Kumar A., Aseri G.K., Polavarapu R., Sharma D., Sohal J.S.	Journal of Microbiological Methods	2020	



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S. No.	Title of the Paper	Name of the author	Title of the Journal	Year of Publication	Citation Index
530	Author Correction: Mapping local patterns of childhood overweight and wasting in low- and middle-income countries between 2000 and 2017 (Nature Medicine, (2020), 26, 5, (750-759), 10.1038/s41591-020-0807-6)	Kinyoki D.K., Ross J.M., Lazzari-Atwood A., Munro S.B., Schaeffer L.E., Abbasalizad-Farhangi M., Abbasi M., Abastabar H., Abdelalim A., Abdoli A., Abdollahi M., Abdollahpour I., Abdulkader R.S., Abebe N.D., Abebo T.A., Abegaz K.H., Abolhassani H., Abreu L.G., Abrigo M.R.M., Abushouk A.I., Accrombessi M.M.K., Acharya D., Adabi M., Adebisi A.O., Adedeji I.A., Adekanmbi V., Adeoye A.M., Adetokunboh O.O., Adham D., Aduroja P.E., Advani S.M., Afarideh M., Aghaali M., Agrawal A., Ahmad T., Ahmadi K., Ahmadi S., Ahmed M.B., Ahmed R., Ajumobi O., Akal C.G., Akalu T.Y., Akinyemiju T., Akombi B., Al-Aly Z., Alam S., Alamene G.M., Alanzi T.M., Rabanal J.E.A., Alema N.M., Ali B.A., Ali M., Alijanzadeh M., Alinia C., Alipour V., Alizade H., Aljunid S.M., Almasi A., Almasi-Hashiani A., Al-Mekhlafi H.M., Al-Raddadi R.M., Altirkawi K., Alvis-Guzman N., Alvis-Zakzuk N.J., Amare A.T., Amegah A.K., Amini S., Rarani M.A., Amiri F., Amit A.M.L., Anber N.H., Andrei C.L., Ansari F., Ansari-Moghaddam A., Anteneh Z.A., Antonio C.A.T., Antriyandarti E., Anvari D., Anwer R., Appiah S.C.Y., Arabloo J., Arab-Zozani M., Araya E.M., Arefi Z., Aremu O., Ärnlov J., Arzani A., Asadi-Aliabadi M., Asadi-Pooya A.A., Asgari S., Asghari B., Ashagre A.F., Asrat A.A., Ataeinia B., Atalay H.T., Atnafu D.D., Atout M.M.W., Ausloos M., Avokpaho E.F.G.A., Awasthi A., Quintanilla B.P.A., Ayanore M.A., Aynalem Y.A.A., Azadmehr A., Azari S., Azarian G., Azene Z.N., Babaei E., Badawi A., Badiye A.D., Bahrami M.A., Baig A.A.A., Bakhtiari A., Bakkanavar S.M.	Nature Medicine	2020	
531	Isolation, screening and characterization of plant growth promoting rhizobacteria from rhizospheric soils of selected pulses	Andy A.K., Masih S.A., Gour V.S.	Biocatalysis and Agricultural Biotechnology	2020	6
532	Evolution of wireless sensor network design from technology centric to user centric: An architectural perspective	Singh A.P., Luhach A.K., Gao X.-Z., Kumar S., Roy D.S.	International Journal of Distributed Sensor Networks	2020	19
533	The ferroxidase LPR5 functions in the maintenance of phosphate homeostasis and is required for normal growth and development of rice	Ai H., Cao Y., Jain A., Wang X., Hu Z., Zhao G., Hu S., Shen X., Yan Y., Liu X., Sun Y., Lan X., Xu G., Sun S.	Journal of Experimental Botany	2020	10



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S. No.	Title of the Paper	Name of the author	Title of the Journal	Year of Publication	Citation Index
534	Sigmoidal Salp Swarm Algorithm	Kumar S., Kumari R., Nayyar A.	2020 International Conference on Artificial Intelligence, Big Data, Computing and Data Communication Systems, icABCD 2020 - Proceedings	2020	3
535	Hydrogen ion sensing characteristics of Na ₃ BiO ₄ -Bi ₂ O ₃ mixed oxide nanostructures based EGFET pH sensor	Sharma P., Gupta S., Singh R., Ray K., Kothari S.L., Sinha S., Sharma R., Mukhiya R., Awasthi K., Kumar M.	International Journal of Hydrogen Energy	2020	19
536	The analysis of NQO1 isoforms as an off-target to anti-cancer drug RH1 using molecular modeling and structure-based drug discovery approaches	Gupta P.P., Kothari S.L., Valius M., Cicenas J., Bastikar V.A.	International Journal of Research in Pharmaceutical Sciences	2020	
537	Tea residue as a bio-sorbent for the treatment of textile industry effluents	Bommavaram K., Bhattacharjee A., Yadav D., Andra N., Pandey P., Ibrahim H.	International Journal of Environmental Science and Technology	2020	4
538	OsSQD1 at the crossroads of phosphate and sulfur metabolism affects plant morphology and lipid composition in response to phosphate deprivation	Sun Y., Jain A., Xue Y., Wang X., Zhao G., Liu L., Hu Z., Hu S., Shen X., Liu X., Ai H., Xu G., Sun S.	Plant Cell and Environment	2020	9
539	Issues and Challenges in Management related to Information Technology	Vandana, Purkayastha B., Kumar A.	International Journal of Computing and Digital Systems	2020	
540	Progress and challenges in the detection of residual pesticides using nanotechnology based colorimetric techniques	Singh R., Kumar N., Mehra R., Kumar H., Singh V.P.	Trends in Environmental Analytical Chemistry	2020	39
541	Detection of antibiotics in food: New achievements in the development of biosensors	Majdinasab M., Mishra R.K., Tang X., Marty J.L.	TrAC - Trends in Analytical Chemistry	2020	62
542	Green IoT: Advancements and Sustainability with Environment by 2050	Sharma N., Panwar D.	ICRITO 2020 - IEEE 8th International Conference on Reliability, Infocom Technologies and Optimization (Trends and Future Directions)	2020	9
543	How much IETS (indirect inelastic electron tunnelling spectroscopy) is effective to detect molecular temperature of extraterrestrial sources?	Sharma A., Singh K.P., Verma U.P.	AIP Conference Proceedings	2020	
544	Does quantum tunneling conceptualise and analyse the relevant theory to decipher the temperature and composition of matrix environment observant through radiant frequency band in IETS?	Sharma A., Singh K.P., Verma U.P.	AIP Conference Proceedings	2020	
545	Assessment of 50 kWp rooftop solar photovoltaic plant at The ICFAI University, Jaipur: A case study	Mukherji R., Mathur V., Bhati A., Mukherji M.	Environmental Progress and Sustainable Energy	2020	9
546	Indian Morinda species: A review	Singh B., Sharma R.A.	Phytotherapy Research	2020	20
547	Development of LTCC micro-hotplate with PTC temperature sensor for gas-sensing applications	Kulhari L., Ray K., Paptan A., Suri N., Khanna P.K.	International Journal of Applied Ceramic Technology	2020	7
548	Simultaneous detection of salivary Δ^9 -tetrahydrocannabinol and alcohol using a Wearable Electrochemical Ring Sensor	Mishra R.K., Sempionatto J.R., Li Z., Brown C., Galdino N.M., Shah R., Liu S., Hubble L.J., Bagot K., Tapert S., Wang J.	Talanta	2020	49
549	Spin-wave generation using MZI embedded plasmonic antennas for quantum communications	Garhwal A., Ray K., Arumona A.E., Bharti G.K., Amiri I.S., Yupapin P.	Optical and Quantum Electronics	2020	7



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550	Mapping local patterns of childhood overweight and wasting in low- and middle-income countries between 2000 and 2017	Kinyoki D.K., Ross J.M., Lazzari-Atwood A., Munro S.B., Schaeffer L.E., Abbasalizad-Farhangi M., Abbasi M., Abbastabar H., Abdelalim A., Abdoli A., Abdollahi M., Abdollahpour I., Abdulkader R.S., Abebe N.D., Abebo T.A., Abegaz K.H., Abolhassani H., Abreu L.G., Abrigo M.R.M., Abushouk A.I., Accrombessi M.M.K., Acharya D., Adabi M., Adebisi A.O., Adedeji I.A., Adekanmbi V., Adeoye A.M., Adetokunboh O.O., Adham D., Aduroja P.E., Advani S.M., Afarideh M., Aghaali M., Agrawal A., Ahmad T., Ahmadi K., Ahmadi S., Ahmed M.B., Ahmed R., Ajumobi O., Akal C.G., Akalu T.Y., Akinyemiju T., Akombi B., Al-Aly Z., Alam S., Alamene G.M., Alanzi T.M., Rabanal J.E.A., Alema N.M., Ali B.A., Ali M., Alijanzadeh M., Alinia C., Alipour V., Alizade H., Aljunid S.M., Almasi A., Almasi-Hashiani A., Al-Mekhlafi H.M., Al-Raddadi R.M., Altirkawi K., Alvis-Guzman N., Alvis-Zakzuk N.J., Amare A.T., Amegah A.K., Amini S., Rarani M.A., Amiri F., Amit A.M.L., Anber N.H., Andrei C.L., Ansari F., Ansari-Moghaddam A., Anteneh Z.A., Antonio C.A.T., Antriyandarti E., Anvari D., Anwer R., Appiah S.C.Y., Arabloo J., Arab-Zozani M., Araya E.M., Arefi Z., Aremu O., Ärnlöv J., Arzani A., Asadi-Aliabadi M., Asadi-Pooya A.A., Asgari S., Asghari B., Ashagre A.F., Asrat A.A., Ataeinia B., Atalay H.T., Atnafu D.D., Atout M.M.W., Ausloos M., Avokpaho E.F.G.A., Awasthi A., Quintanilla B.P.A., Ayanore M.A., Aynalem Y.A.A., Azadmehr A., Azari S., Azarian G., Azene Z.N., Babae E., Badawi A., Badiye A.D., Bahrami M.A., Baig A.A.A., Bakhtiari A., Bakkanavar S.M.	Nature Medicine	2020	24
551	A self-operating time crystal model of the human brain: Can we replace entire brain hardware with a 3D fractal architecture of clocks alone?	Singh P., Saxena K., Singhania A., Sahoo P., Ghosh S., Chhajed R., Ray K., Fujita D., Bandyopadhyay A.	Information (Switzerland)	2020	11
552	Assessment of rolling loads accomplished by AISI1060 steel cold deformation	Joshi A., Bhatt P.K., Goyal R.K.	International Journal of Advanced Science and Technology	2020	1
553	Integration of aroma and savour for tourism to entreat the tourists in Rajasthan: A socio analytical study	Rani M., Sharma S., Uniyal M.	International Journal of Advanced Science and Technology	2020	



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S. No.	Title of the Paper	Name of the author	Title of the Journal	Year of Publication	Citation Index
554	Computational Fluid Dynamics Analysis of a Class Room for Effective Utilization of Position of Air Conditioning System	Mogra A., Pandey P.K., Gupta K.K.	IOP Conference Series: Materials Science and Engineering	2020	
555	Logistic map and wavelet transform based differential evolution	Kashyap K., Sharma T.K., Rajpurohit J.	International Journal of System Assurance Engineering and Management	2020	2
556	OsPDR2 mediates the regulation on the development response and maintenance of Pi homeostasis in rice	Cao Y., Jain A., Ai H., Liu X., Wang X., Hu Z., Sun Y., Hu S., Shen X., Lan X., Xu G., Sun S.	Plant Physiology and Biochemistry	2020	5
557	Electron density transport using microring circuit for dual-mode power transmission	Arumona A.E., Amiri I.S., Punthawanunt S., Ray K., Yupapin P.	Optical and Quantum Electronics	2020	3
558	Effect of temperature and humidity on dielectric and impedance properties of K(Nb0.8Ta0.2)0.99Mn0.01O3 electroceramics	Ravikant, Singh S., Ojha V.N., Kumar A.	Materials Research Express	2020	
559	Flax seeds and finger millet enriched functional rusk	Lohan A., Kaushik R., Bansal V., Gandhi K.	International Journal of Food Studies	2020	4
560	Effectiveness of zumba training on body image and subjective happiness among adolescents	Singh S., Vashisth D.	International Journal of Advanced Science and Technology	2020	
561	Xeno-miRNA in Maternal-Infant Immune Crosstalk: An Aid to Disease Alleviation	Stephen B.J., Pareek N., Saeed M., Kausar M.A., Rahman S., Datta M.	Frontiers in Immunology	2020	9
562	The impact of service quality on customer satisfaction with reference to radisson hotels of North India	Sharma S., Parkash R., Sharma P.	International Journal of Advanced Science and Technology	2020	
563	Secondary metabolites of medicinal plants: Ethnopharmacological properties, biological activity and production strategies	Singh B., Sharma R.V.	Secondary Metabolites of Medicinal Plants: Ethnopharmacological Properties, Biological Activity and Production Strategies	2020	11
564	Gum arabic capped copper nanoparticles: Synthesis, characterization, and applications	Chawla P., Kumar N., Bains A., Dhull S.B., Kumar M., Kaushik R., Punia S.	International Journal of Biological Macromolecules	2020	41
565	Succinylation of milk proteins: Influence on micronutrient binding and functional indices	Agarwal A., Pathera A.K., Kaushik R., Kumar N., Dhull S.B., Arora S., Chawla P.	Trends in Food Science and Technology	2020	16
566	Identification of 2-D protein profile of aspergillus Niger from clinical isolates	Singh D.D.	International Journal of Scientific and Technology Research	2020	
567	Micro insurance in indian insurance industry	Singh H.O.	International Journal of Scientific and Technology Research	2020	
568	Identification of protein profile of A. fumigatus for diagnostic interest from clinical isolates	Singh D.D.	International Journal of Scientific and Technology Research	2020	
569	A Novel Real-Time Map Matching Algorithm for Landmark Uncertainty	Prasad Sharma K., Agarwal R., Gupta S.	2020 International Conference on Computer Science, Engineering and Applications, ICCSEA 2020	2020	
570	Fatigue characterisation of modified asphalt binders containing warm mix asphalt additives	Kumar A., Choudhary R., Kandhal P.S., Julaganti A., Behera O.P., Singh A., Kumar R.	Road Materials and Pavement Design	2020	18
571	Solar PV system-frequency adaptive disturbance observer control algorithm for compensating harmonics and frequency disturbances	Pragathi B., Nayak D.K., Poonia R.C.	Journal of Interdisciplinary Mathematics	2020	
572	Mitigation of power quality issues for grid connected photo voltaic system using soft computing techniques	Pragathi B., Nayak D.K., Poonia R.C.	Journal of Interdisciplinary Mathematics	2020	1



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3.4.8 Bibliometric of the publications during the last five years based on average Citation Index in Scopus/ Web of Science/PubMed

S. No.	Title of the Paper	Name of the author	Title of the Journal	Year of Publication	Citation Index
573	Improved route selection algorithm based on TORA over mobile adhoc network	Thakrar P.M., Singh V., Kotecha K.	Journal of Discrete Mathematical Sciences and Cryptography	2020	3
574	Fuzzy rule based intelligent system for user authentication based on user behaviour	Roy A., Razia S., Parveen N., Rao A.S., Nayak S.R., Poonia R.C.	Journal of Discrete Mathematical Sciences and Cryptography	2020	11
575	A systematic literature review and comparative study of different software quality models	Saini G.L., Panwar D., Kumar S., Singh V.	Journal of Discrete Mathematical Sciences and Cryptography	2020	5
576	Fractional calculus operator with generalize k-Mittag-Leffler function	Singh Y., Dubey R.S.	Journal of Interdisciplinary Mathematics	2020	3
577	Delay analysis in order execution and production in gems & jewellery industry : A case study	Agarwal P., Panwar D., Tyagi P., Singh V., Raja L., Pal N., Jain M.	Journal of Discrete Mathematical Sciences and Cryptography	2020	
578	Some results on the new fractional derivative of generalized k-Wright function	Dubey R.S., Singh Y., Agarwal P., Saini G.L., Singh V.	Journal of Interdisciplinary Mathematics	2020	
579	Multi-level image thresholding based on Kapur and Tsallis entropy using firefly algorithm	Sharma A., Chaturvedi R., Kumar S., Dwivedi U.K.	Journal of Interdisciplinary Mathematics	2020	20
580	Target K-coverage problem in wireless sensor networks	Manju, Bhambu P., Kumar S.	Journal of Discrete Mathematical Sciences and Cryptography	2020	11
581	Peregrine preying pattern based differential evolution for robot path planning	Jain S., Kumar S., Sharma V.K., Poonia R.C.	Journal of Interdisciplinary Mathematics	2020	5
582	Evaluation of Variation in Cuticular Wax Yield with Season, Solvent, and Species in Calotropis	Sharma P., Prasad J., Kothari S.L., Gour V.S.	National Academy Science Letters	2020	2
583	Future urbanization using clean energy generation plants	Verma C., Singh J., Ranjan A.	International Journal of Scientific and Technology Research	2020	
584	Feasibility study of android application in architectural education	Vandana, Gupta P., Kumar A., Verma C.	International Journal of Scientific and Technology Research	2020	
585	Mechanism of insurance intermediaries in India	Singh H.	International Journal of Scientific and Technology Research	2020	
586	Role of chromatin modification and remodeling in stem cell regulation and meristem maintenance in Arabidopsis	Singh S., Singh A., Singh A., Mahima, Yadav S., Bajaj I., Kumar S., Jain A., Sarkar A.K.	Journal of Experimental Botany	2020	5
587	Design, fabrication and characterization of LTCC micro-hotplates for gas-sensing application	Kulhari L., Chandran A., Ray K., Khanna P.K.	Microelectronics International	2020	3
588	Suicidal ideation prediction in twitter data using machine learning techniques	Rajesh Kumar E., Rama Rao K.V.S.N., Nayak S.R., Chandra R.	Journal of Interdisciplinary Mathematics	2020	13
589	Artificial bee colony with enhanced food locations for solving mechanical engineering design problems	Sharma T.K., Abraham A.	Journal of Ambient Intelligence and Humanized Computing	2020	21
590	Design and Analysis of Elliptical Core Spiral Silica Photonic Crystal Fiber with Improved Optical Characteristics	Sharma R.K., Sharma S., Gupta R., Dash P.	Lecture Notes in Electrical Engineering	2020	
591	Optical and structural modifications of copper-fullerene nanocomposite thin films by 120?MeV Au ion irradiation	Vishnoi R., Gupta S., Dwivedi U.K., Singhal R.	Radiation Physics and Chemistry	2020	4



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3.4.8 Bibliometric of the publications during the last five years based on average Citation Index in Scopus/ Web of Science/PubMed

S. No.	Title of the Paper	Name of the author	Title of the Journal	Year of Publication	Citation Index
592	Microwave pretreatment of tomato seeds and fruit to enhance plant photosynthesis, nutritive quality and shelf life of fruit	Verma S., Sharma V., Kumari N.	Postharvest Biology and Technology	2020	8
593	Image analysis of SEM micrograph of co-doped ZnO-based oxide semiconductors	Mukherji R., Mathur V., Mukherji M.	Advances in Intelligent Systems and Computing	2020	2
594	A review study of modified swarm intelligence: Particle swarm optimization, firefly, bat and gray wolf optimizer algorithms	Igiri C.P., Singh Y., Poonia R.C.	Recent Advances in Computer Science and Communications	2020	13
595	Robot Path Planning Using Modified Artificial Bee Colony Algorithm	Nayyar A., Nguyen N.G., Kumari R., Kumar S.	Advances in Intelligent Systems and Computing	2020	13
596	Review of register transfer language and micro-operations for digital systems	Singh V., Poonia R.C., Raja L., Choudhary I., Jain S.S.	Advances in Intelligent Systems and Computing	2020	
597	Preface	Luhach A.K., Kosa J.A., Chandra R., Gao X.-Z., Singh D.	Advances in Intelligent Systems and Computing	2020	
598	Neuro-fuzzy control algorithm for harmonic compensation of quality improvement for grid interconnected photovoltaic system	Pragathi B., Nayak ? D.K., Poonia R.C.	Advances in Intelligent Systems and Computing	2020	1
599	Designing a smart system for air quality monitoring and air purification	Gandhi P., Upadhyay K., Yadav A.K., Vaishali	Lecture Notes in Electrical Engineering	2020	1
600	Inclusion of fading memory to banister model of changes in physical condition	Shrahili M., Dubey R.S., Shafay A.	Discrete and Continuous Dynamical Systems - Series S	2020	5
601	A new approach to solve cattaneo-krstov diffusion model and fractional diffusion equations with hilfer-prabhakar derivative	Singh Y., Kumar D., Modi K., Gill V.	AIMS Mathematics	2020	8
602	Analysis of MEMS and Metamaterial Based Sensors and Its Involvement in Nanotechnology	Sharma B., Gupta S., Yadav A., Runthala R.	Advances in Intelligent Systems and Computing	2020	
603	High-Performance Fuzzy C-Means Image Clustering Based on Adaptive Frequency-Domain Filtering and Morphological Reconstruction	Dautaniya A.K., Sharma V.	Advances in Intelligent Systems and Computing	2020	
604	Peregrine Preying Pattern-Based Differential Evolution	Jain S., Sharma V.K., Kumar S.	Advances in Intelligent Systems and Computing	2020	4
605	Preface	Pant M., Sharma T.K., Verma O.P., Singla R., Sikander A.	Advances in Intelligent Systems and Computing	2020	
606	Security Issues in Internet of Things (IoT)-Enabled Systems: Problem and Prospects	Poonia A.S., Banerjee C., Banerjee A., Sharma S.K.	Advances in Intelligent Systems and Computing	2020	3
607	Dragon-AODV: Efficient Ad Hoc On-Demand Distance Vector Routing Protocol Using Dragon Fly Algorithm	Goyal M., Goyal D., Kumar S.	Advances in Intelligent Systems and Computing	2020	1
608	Enhanced Local Search in Shuffled Frog Leaping Algorithm	Sharma T.K., Rajpurohit J., Prakash D.	Advances in Intelligent Systems and Computing	2020	1
609	Comparative Analysis of Internet of Things Monitoring Devices in Smart Agriculture Using Deep-Learning Techniques	Poonia A.S., Banerjee C., Banerjee A., Sharma S.K.	Advances in Intelligent Systems and Computing	2020	
610	Soil Fertilization Status Assessment for IC-HAPI Zone of Rajasthan with SFM Computational Model	Sihag J., Prakash D., Gupta H.	Advances in Intelligent Systems and Computing	2020	1
611	Sigmoidal Spider Monkey Optimization Algorithm	Sharma B., Sharma V.K., Kumar S.	Advances in Intelligent Systems and Computing	2020	7



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3.4.8 Bibliometric of the publications during the last five years based on average Citation Index in Scopus/ Web of Science/PubMed

S. No.	Title of the Paper	Name of the author	Title of the Journal	Year of Publication	Citation Index
612	Modelling and optimization of different quality characteristics in electric discharge drilling of titanium alloy sheet	Jain A., Yadav A.K., Shrivastava Y.	Materials Today: Proceedings	2020	103
613	Evaluation of TPM strategies for manufacturing performance improvement of Indian SMEs for strategic success	Jain A., Singh H., Bhatti R.S.	International Journal of Productivity and Quality Management	2020	2
614	Development of hybrid ad hoc on demand distance vector routing protocol in mobile ad hoc network	Goyal A., Sharma V.K., Kumar S.	International Journal on Emerging Technologies	2020	1
615	Development and standardization of visual loop mediated isothermal amplification (LAMP) assay for specific diagnosis of John's disease	Singh M., Gupta S., Singh S.V., Kumaresan G., Sharma D., Aseri G.K., Yadav P., Polavarapu R., Sohal J.S.	Indian Journal of Animal Research	2020	
616	Bioplastic feasibility: Plastic waste disaster management	Lakhawat S.S., Singh D.D., Kumar S., Kumar V.	Journal of Critical Reviews	2020	1
617	Recent innovations and advancements in swarm intelligence: algorithms, methodologies and applications (Part 2)	Nayyar A., Kumar S., Nguyen N.G.	Recent Advances in Computer Science and Communications	2020	
618	Hyperbolic spider monkey optimization algorithm	Kumar S., Nayyar A., Nguyen N.G., Kumari R.	Recent Advances in Computer Science and Communications	2020	7
619	Perception and attitude of the host community on socio-economic development through tourism-a case study on Udaipur Rajasthan	Pal S., Yashwant Singh R.	International Journal of Advanced Science and Technology	2020	
620	Proficient QoS-Based Target Coverage Problem in Wireless Sensor Networks	Manju, Singh S., Kumar S., Nayyar A., Al-Turjman F., Mostarda L.	IEEE Access	2020	22
621	Fractal, scale free electromagnetic resonance of a single brain extracted microtubule nanowire, a single tubulin protein and a single neuron	Saxena K., Singh P., Sahoo P., Sahu S., Ghosh S., Ray K., Fujita D., Bandyopadhyay A.	Fractal and Fractional	2020	14
622	"The multifarious role of Indian food as an important part of tourism attraction in India"	Pal S.	Journal of Critical Reviews	2020	
623	Special issue on swarm intelligence for optimizing next generation networks	Nayyar A., Kumar S., Nguyen N.G.	Recent Advances in Computer Science and Communications	2020	1
624	Pre- and Post-treatment Characterization of Petrol Contaminated Soil	Kulshreshtha S., Atreya S., Singh S., Rajput N.S.	Lecture Notes in Mechanical Engineering	2020	1
625	A new family of distribution with application on two real datasets on survival problem	Modi K., Kumar D., Singh Y.	Science and Technology Asia	2020	2
626	Development and Electrical Properties of Titanium Dioxide-Based Polymer Nanocomposite Structures	Singh S., Rajput N.S., Rathore D., Dwivedi U.K.	Lecture Notes in Mechanical Engineering	2020	1
627	Causal analysis of profitability and non-performing asset of selected indian public and private sector banks	Sharma S., Kothari R., Rathore D.S., Prasad J.	Journal of Critical Reviews	2020	
628	Descriptive analysis of COVID-19 patients in the context of India	Bhatnagar V., Poonia R.C., Nagar P., Kumar S., Singh V., Raja L., Dass P.	Journal of Interdisciplinary Mathematics	2020	48
629	Enhancement of boiling heat transfer performance using nano coating-A review	Mogra A., Pandey P.K., Gupta K.K.	Journal of Advanced Research in Fluid Mechanics and Thermal Sciences	2020	2



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3.4.8 Bibliometric of the publications during the last five years based on average Citation Index in Scopus/ Web of Science/PubMed

S. No.	Title of the Paper	Name of the author	Title of the Journal	Year of Publication	Citation Index
630	A note on some new P ² -transforms of 2F ₂ generalized hypergeometric functions	Purohit S.D., Harsh H.V., Rathie A.K.	Turkish World Mathematical Society Journal of Applied and Engineering Mathematics	2020	1
631	Evaluation of Soil Physical, Chemical Parameter and Enzyme Activities as Indicator of Soil Fertility with SFM Model in IA–AW Zone of Rajasthan	Sihag J., Prakash D., Yadav P.	Advances in Intelligent Systems and Computing	2020	
632	Comparative Study of the Ultrasonic and Infrared Person Counter	Saxena A., Taterh S., Saxena N.	Advances in Intelligent Systems and Computing	2020	
633	Prospecting potential inhibitors of sortase a from enterococcus faecalis: A multidrug resistant bacteria, through in-silico and in-vitro approaches	Das S., Vijay Kumar H.S., Pal S.K., Srivastava V.K., Jyoti A., Kumar S., Kaushik S.	Protein and Peptide Letters	2020	3
634	Macro economics of virtual power plant for rural areas of botswana	Venkatachary S.K., Prasad J., Samikannu R., Alagappan A., Baptist L.J., Raj R.A.	International Journal of Energy Economics and Policy	2020	
635	On the volterra-type fractional integro-differential equations pertaining to special functions	Singh Y., Gill V., Singh J., Kumar D., Nisar K.S.	Fractal and Fractional	2020	2
636	On a new class of integrals involving generalized hypergeometric function	Harsh H.V., Sharma P.K.	Mathematics in Engineering, Science and Aerospace	2020	
637	Bio-safety of milk products and mycobacterium avium subspecies paratuberculosis as major microbial contaminant using multiple tests including culture and sybr green real-time assay	Singh M., Gupta S., Chaubey K.K., Singh P.K., Khandelwal V., Choudhary P., Pant G., Singh S.V., Sohal J.S.	Journal of Experimental Biology and Agricultural Sciences	2020	1
638	Towards a mobile app technology-enabled sustainable agriculture in India	Sharma N.R., Sharma S., Sharma D.	Plant Archives	2020	2
639	Statistical analysis of customers' expectation & perception for service quality of Jaipur hotels	Rathore P.S., Pal S.	Journal of Advanced Research in Dynamical and Control Systems	2020	
640	Anti-inflammation and antimicrobial constituents from the roots and their production in callus cultures of valeriana jatamansi jones	Singh B., Sahu P.M., Sharma R.A.	Current Bioactive Compounds	2020	
641	Comparative proteome analysis of mycobacterium tuberculosis strains H37Ra, H37Rv, CCDC5180, and CAS/NITR204: A step forward to identify novel drug targets	Gupta S.R.R., Gupta E., Ohri A., Shrivastava S.K., Kachhwaha S., Sharma V., Mishra R.K., Niraj R.R.K.	Letters in Drug Design and Discovery	2020	2
642	Convergence of double cosine series	Singh K., Modi K.	Kragujevac Journal of Mathematics	2020	
643	Lorentzian adaptive filter for controlling shunt compensator to mitigate power quality problems of solar PV interconnected with grid	Pragathi B., Nayak D.K., Poonia R.C.	International Journal of Intelligent Information and Database Systems	2020	
644	Editorial	Kumar S., Luhach A.Kr., Kosa J.A., Kumari R.	International Journal of Intelligent Information and Database Systems	2020	
645	Green & sustainable nanocatalysed synthetic route for an exploration of knoevenagel condensation	Madan Y.	Materials Today: Proceedings	2020	1
646	A mini review study on "the generation of bioactive heterocyclic motifs by using sustainable metal nanocatalysed organic synthetic routes"	Madan Y.	Materials Today: Proceedings	2020	2



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3.4.8 Bibliometric of the publications during the last five years based on average Citation Index in Scopus/ Web of Science/PubMed

S. No.	Title of the Paper	Name of the author	Title of the Journal	Year of Publication	Citation Index
647	Global injury morbidity and mortality from 1990 to 2017: Results from the global burden of disease study 2017	James S.L., Castle C.D., Dingers Z.V., Fox J.T., Hamilton E.B., Liu Z., Roberts N.L.S., Sylte D.O., Henry N.J., LeGrand K.E., Abdelalim A., Abdoli A., Abdollahpour I., Abdulkader R.S., Abedi A., Abosetugn A.E., Abushouk A.I., Adebayo O.M., Agudelo-Botero M., Ahmad T., Ahmed R., Ahmed M.B., Aichour M.T.E., Alahdab F., Alamene G.M., Alanezi F.M., Alebel A., Alema N.M., Alghnam S.A., Al-Hajj S., Ali B.A., Ali S., Alikhani M., Alinia C., Alipour V., Aljunid S.M., Almasi-Hashiani A., Almasri N.A., Altirkawi K., Amer Y.S.A., Amini S., Amit A.M.L., Andrei C.L., Ansari-Moghaddam A., Antonio C.A.T., Appiah S.C.Y., Arabloo J., Arab-Zozani M., Arefi Z., Aremu O., Ariani F., Arora A., Asaad M., Asghari B., Awoke N., Quintanilla B.P.A., Ayano G., Ayanore M.A., Azari S., Azarian G., Badawi A., Badiye A.D., Bagli E., Baig A.A., Bairwa M., Bakhtiari A., Balachandran A., Banach M., Banerjee S.K., Banik P.C., Banstola A., Barker-Collo S.L., Bärnighausen T.W., Barrero L.H., Barzegar A., Bayati M., Baye B.A., Bedi N., Behzadifar M., Bekuma T.T., Belete H., Benjet C., Bennett D.A., Bensenor I.M., Berhe K., Bhardwaj P., Bhat A.G., Bhattacharyya K., Bibi S., Bijani A., Sayeed M.S.B., Borges G., Borzi A.M., Boufous S., Brazinova A., Briko N.I., Budhathoki S.S., Car J., Cárdenas R., Carvalho F., Castaldelli-Maia J.M., Castañeda-Orjuela C.A., Castelpietra G., Catalá-López F., Cerin E., Chandan J.S., Chanie W.F., Chattu S.K., Chattu V.K., Chatziralli I., Chaudhary N., Cho D.Y., Chowdhury M.A.K., Chu D.-T., Colquhoun S.M., Constantin M.-M., Costa V.M., Damiani G., Daneshmandi A., Dávila-Correal	Injury Prevention	2020	55



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S. No.	Title of the Paper	Name of the author	Title of the Journal	Year of Publication	Citation Index
648	Estimating global injuries morbidity and mortality: Methods and data used in the Global Burden of Disease 2017 study	James S.L., Castle C.D., Dingsels Z.V., Fox J.T., Hamilton E.B., Liu Z., Roberts N.L.S., Sylte D.O., Bertolacci G.J., Cunningham M., Henry N.J., Legrand K.E., Abdelalim A., Abdollahpour I., Abdulkader R.S., Abedi A., Abegaz K.H., Abosetugn A.E., Abushouk A.I., Adebayo O.M., Adsuar J.C., Advani S.M., Agudelo-Botero M., Ahmad T., Ahmed M.B., Ahmed R., Aichour M.T.E., Alahdab F., Alanezi F.M., Alema N.M., Alemu B.W., Alghnam S.A., Ali B.A., Ali S., Alinia C., Alipour V., Aljunid S.M., Almasi-Hashiani A., Almasri N.A., Altirkawi K., Amer Y.S.A., Andrei C.L., Ansari-Moghaddam A., Antonio C.A.T., Anvari D., Appiah S.C.Y., Arabloo J., Arab-Zozani M., Arefi Z., Aremu O., Ariani F., Arora A., Asaad M., Quintanilla B.P.A., Ayano G., Ayanore M.A., Azarian G., Badawi A., Badiye A.D., Baig A.A., Bairwa M., Bakhtiari A., Balachandran A., Banach M., Banerjee S.K., Banik P.C., Banstola A., Barker-Collo S.L., Bärnighausen T.W., Barzegar A., Bayati M., Bazargan-Hejazi S., Bedi N., Behzadifar M., Belete H., Bennett D.A., Bensenor I.M., Berhe K., Bhagavathula A.S., Bhardwaj P., Bhat A.G., Bhattacharyya K., Bhutta Z.A., Bibi S., Bijani A., Boloor A., Borges G., Borschmann R., Borzi A.M., Boufous S., Braithwaite D., Briko N.I., Brugha T., Budhathoki S.S., Car J., Cárdenas R., Carvalho F., Castaldelli-Maia J.M., Castañeda-Orjuela C.A., Castelpietra G., Catalá-López F., Cerin E., Chandan J.S., Chapman J.R., Chattu V.K., Chattu S.K., Chatziralli I., Chaudhary N., Cho D.Y., Choi J.-Y.J., Chowdhury M.A.K., Christopher D.J., Chu D.T., Ciuttini F.M.	Injury Prevention	2020	24
649	Performance and economic viability assessment of a 50 KWp rooftop solar photovoltaic system	Mukherji R., Mathur V., Mukherji M.	International Journal of Green Economics	2020	
650	Serum and cerebrospinal fluid cytokine biomarkers for diagnosis of multiple sclerosis	Martynova E., Goyal M., Johri S., Kumar V., Khaibullin T., Rizvanov A.A., Verma S., Khaiboullina S.F., Baranwal M.	Mediators of Inflammation	2020	4
651	Improved African buffalo optimisation algorithm for petroleum product supply chain management	Igiri C.P., Singh Y., Bhargava D., Shikaa S.	International Journal of Grid and Utility Computing	2020	



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S. No.	Title of the Paper	Name of the author	Title of the Journal	Year of Publication	Citation Index
652	Editorial	Kumar S., Poonia R.C., Gao X.-Z., Katewa V.	International Journal of Grid and Utility Computing	2020	
653	Column Study for Adsorption of Methylene Blue Dye using Azadirachta indica Adsorbent	Goswami V., Upadhyaya R., Meher S.K.	Asian Journal of Water, Environment and Pollution	2020	3
654	Reducing the Dimension of a Patch-Clamp to the Smallest Physical Limit Using a Coaxial Atom Probe	Singh P., Ghosh S., Sahoo P., Ray K., Fujita D., Bandyopadhyay A.	Progress In Electromagnetics Research B	2020	5
655	Principal component analysis of climatological impact on rooftop solar power plant installed in Western India	Mukherji R., Mukherji M.	International Journal of Ambient Energy	2020	
656	Prediction of COVID-19 corona virus pandemic based on time series data using support vector machine	Singh V., Poonia R.C., Kumar S., Dass P., Agarwal P., Bhatnagar V., Raja L.	Journal of Discrete Mathematical Sciences and Cryptography	2020	67
657	Bioassays and biosensors for food analysis	Vasilescu A., Polonschii C., Titoiu A.M., Mishra R., Peteu S., Marty J.-L.	Commercial Biosensors and Their Applications: Clinical, Food, and Beyond	2020	3
658	Immunopathology, host-virus genome interactions, and effective vaccine development in SARS-CoV-2	Singh D.D., Han I., Choi E.-H., Yadav D.K.	Computational and Structural Biotechnology Journal	2020	11
659	Mhd flow of carreau nanofluid towards stagnation point under thermophoresis and brownian motion effect with newtonian heating condition	Kaushik P., Mishra U.	JP Journal of Heat and Mass Transfer	2020	
660	A Hybrid Algorithm for Recognition of Power Quality Disturbances	Kaushik R., Mahela O.P., Bhatt P.K., Khan B., Padmanabhan S., Blaabjerg F.	IEEE Access	2020	11
661	Health Information Seeking among General Public in India during COVID 19 Outbreak: Exploring Healthcare Practices, Information Needs, Preferred Information Sources and Problems	Nafees N., Khan D.	Library Philosophy and Practice	2020	4
662	Smart technologies in engineering	Poonia R.C., Raja L.	Recent Advances in Computer Science and Communications	2020	
663	"How much phonon assisted indirect tunnelling is preferable to direct tunnelling in spectroscopy of molecular compound?"	Sharma A., Singh K.P., Verma U.P.	Materials Today: Proceedings	2020	
664	"do piezoelectric and piezomagnetic sensors like, BaTiO ₂ , CoMnF ₂ , CoF ₂ facilitate propagation of electromagnetic signals induced due to stress within subsurface of crust and hence display pre-seismic signature?"	Verma U.P., Mishra A.K., Sinha M.N.	Materials Today: Proceedings	2020	2
665	Structural and dielectric properties of copper ferrite/LDPE composite	Vaid K., Chaurasia A., Rawat S., Dwivedi U.K.	Materials Today: Proceedings	2020	2
666	Numerical simulation of solid particle erosion for glass fiber reinforced epoxy composites	Agarwal P., Sharma A., Choudhary M., Patnaik T.K., Patnaik A.	Materials Today: Proceedings	2020	2
667	Experimental and numerical investigation of thermal conductivity of marble dust filled needle punched nonwoven jute-epoxy hybrid composite	Sharma A., Choudhary M., Agarwal P., Patnaik T.K., Biswas S.K., Patnaik A.	Materials Today: Proceedings	2020	5
668	Study of blockchain based smart grid for energy optimization	Patil H., Sharma S., Raja L.	Materials Today: Proceedings	2020	5
669	Review on erosion wear characteristic of natural fiber reinforced polymer composite	Sharma A., Choudhary M., Agarwal P., Biswas S.K., Patnaik A.	Materials Today: Proceedings	2020	3



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S. No.	Title of the Paper	Name of the author	Title of the Journal	Year of Publication	Citation Index
670	Influence of surface wettability and selection of coating material for enhancement of heat transfer performance	Mogra A., Pandey P.K., Gupta K.K.	Materials Today: Proceedings	2020	
671	Role of machine learning in the field of Fiber reinforced polymer composites: A preliminary discussion	Pattnaik P., Sharma A., Choudhary M., Singh V., Agarwal P., Kukshal V.	Materials Today: Proceedings	2020	8
672	Manufacturing plan optimization using dynamic programming	Sharma S., Raja L., Patil H.	Materials Today: Proceedings	2020	1
673	Optimization of solid particle erosion behaviour of waste marble dust filled glass fiber polymer composite using Taguchi approach	Choudhary M., Sharma A., Agarwal P., Bhardwaj A., Patnaik A.	Materials Today: Proceedings	2020	
674	Experimental investigations and optimization of surface roughness in turning of en 36 alloy steel using response surface methodology and genetic algorithm	Panwar V., Kumar Sharma D., Pradeep Kumar K.V., Jain A., Thakar C.	Materials Today: Proceedings	2020	184
675	A review on fibres and fillers on improving the mechanical behaviour of fibre reinforced polymer composites	Sharma M., Sharma R., Chandra Sharma S.	Materials Today: Proceedings	2020	1
676	Fungi as phosphate-solubilizing microorganisms in arid soil: Current perspective	Chittora P., Sharma D., Aseri G.K., Sohal J.S., Singh D., Khare N., Jain N.	New and Future Developments in Microbial Biotechnology and Bioengineering: Recent Advances in Application of Fungi and Fungal Metabolites: Environmental and Industrial Aspects	2020	2
677	Mineral-enriched yeast biomass: A promising mineral food and feed supplement	Meena K., Sharma V., Manzoor M., Aseri G.K., Sohal J.S., Singh D., Khare N., Sharma D.	New and Future Developments in Microbial Biotechnology and Bioengineering: Recent Advances in Application of Fungi and Fungal Metabolites: Environmental and Industrial Aspects	2020	1
678	Network analysis of host-pathogen protein interactions in microbe induced cardiovascular diseases	Singh N., Rai S., Bhatnagar R., Bhatnagar S.	In Silico Biology	2020	
679	An analysis to understand the air quality pattern of north indian cities	Upadhyay E., Biswas J., Nayak M., Ghosh S., Chaitanya P., Datta M.	Pollution Research	2020	
680	File chunking approaches	Nagwanshi K.K.	Data Deduplication Approaches: Concepts, Strategies, and Challenges	2020	
681	Design Studies And Analysis Of 50 kWp Rooftop Solar Photovoltaic Plant	Mukherji R., Mukherji M.	Indian Journal of Environmental Protection	2020	
682	Bioactivity and pharmacological potential of <i>Trianthema portulacastrum</i> L. (Angiosperms: Aizoaceae): An overview	Prakash A., Pracheta, Sharma V.	Plant Science Today	2019	2
683	Composition, production, physicochemical properties and applications of lecithin obtained from rice (<i>Oryza sativa</i> L.) - A review	Lehri D., Kumari N., Singh R.P., Sharma V.	Plant Science Today	2019	2
684	Identification of high-affinity inhibitors of cyclin-dependent kinase 2 towards anticancer therapy	Mohammad T., Batra S., Dahiya R., Baig M.H., Rather I.A., Dong J.-J., Hassan I.	Molecules	2019	29
685	Application of electrochemical aptasensors toward clinical diagnostics, food, and environmental monitoring: Review	Li Z., Mohamed M.A., Vinu Mohan A.M., Zhu Z., Sharma V., Mishra G.K., Mishra R.K.	Sensors (Switzerland)	2019	45



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3.4.8 Bibliometric of the publications during the last five years based on average Citation Index in Scopus/ Web of Science/PubMed

S. No.	Title of the Paper	Name of the author	Title of the Journal	Year of Publication	Citation Index
686	The potential application of genome editing by using CRISPR/Cas9, and its engineered and ortholog variants for studying the transcription factors involved in the maintenance of phosphate homeostasis in model plants	Jyoti A., Kaushik S., Srivastava V.K., Datta M., Kumar S., Yugandhar P., Kothari S.L., Rai V., Jain A.	Seminars in Cell and Developmental Biology	2019	11
687	CRISPR-Cas9 directed genome engineering for enhancing salt stress tolerance in rice	Farhat S., Jain N., Singh N., Sreevathsa R., Dash P.K., Rai R., Yadav S., Kumar P., Sarkar A.K., Jain A., Singh N.K., Rai V.	Seminars in Cell and Developmental Biology	2019	27
688	A CRISPR/Cas9 based polymeric nanoparticles to treat/inhibit microbial infections	Verma R., Sahu R., Singh D.D., Egbo T.E.	Seminars in Cell and Developmental Biology	2019	16
689	CRISPR/Cas: An intriguing genomic editing tool with prospects in treating neurodegenerative diseases	Rahman S., Datta M., Kim J., Jan A.T.	Seminars in Cell and Developmental Biology	2019	8
690	CRISPR/Cas9 guided genome and epigenome engineering and its therapeutic applications in immune mediated diseases	Singh D.D., Hawkins R.D., Lahesmaa R., Tripathi S.K.	Seminars in Cell and Developmental Biology	2019	8
691	Current trends and challenges in cancer management and therapy using designer nanomaterials	Navya P.N., Kaphle A., Srinivas S.P., Bhargava S.K., Rotello V.M., Daima H.K.	Nano Convergence	2019	237
692	A comparative in silico analysis of Rab5 proteins from pathogenic species to find its role in the pathogenesis	Srivastava V.K., Kaushik S., Jyoti A.	Journal of Molecular Recognition	2019	4
693	Molecular dynamics insights on the role of augmentation of the peptide N-terminus with binding site of hairpin of proprotein convertase subtilisin/kexin 9	Pasam B., Medicherla K.M., Rathore R.S., Upadhyayula R.S.	Chemical Biology and Drug Design	2019	
694	CRISPR-Cas systems ushered in an era of facile DNA-free genome editing	Ajay J., Vandna R.	Seminars in Cell and Developmental Biology	2019	
695	Highly efficient and selective antimicrobial isonicotinylhydrazide-coated polyoxometalate-functionalized silver nanoparticles	Umapathi A., Nagaraju N.P., Madhyastha H., Jain D., Srinivas S.P., Rotello V.M., Daima H.K.	Colloids and Surfaces B: Biointerfaces	2019	18
696	Analysis of Absorption Characteristics and Source Apportionment of Carbonaceous Aerosol in Arid Region of Western India	Sateesh M., Soni V.K., Raju P.V.S., Prasad V.S.	Earth Systems and Environment	2019	1
697	Synthesis, characterization and cellular mineral absorption of nanoemulsions of Rhododendron arboreum flower extracts stabilized with gum arabic	Chawla P., Kumar N., Kaushik R., Dhull S.B.	Journal of Food Science and Technology	2019	35
698	On the Elzaki transform and its applications in fractional free electron laser equation	Singh Y., Gill V., Kundu S., Kumar D.	Acta Universitatis Sapientiae, Mathematica	2019	8
699	Map matching algorithm: curve simplification for Frechet distance computing and precise navigation on road network using RTKLIB	Sharma K.P., Poonia R.C., Sunda S.	Cluster Computing	2019	6
700	Cost optimization and development of hybrid energy systems for rural areas in Ethiopia with a balance of their energy need and resources availability (a case study-on TulUDIMTU)	Samikannu R., Sampath Kumar V., Diarra B., Ravi R.	Journal of Testing and Evaluation	2019	10
701	Intercluster link management for quality of service development by mitigating the hidden node problem in wireless sensor networks	Ravi R., Samikannu R., Venkatachary S.K., Diarra B.	Journal of Testing and Evaluation	2019	



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702	Quality assessment of oil and biodiesel derived from <i>Balanites aegyptiaca</i> collected from different regions of Rajasthan	Saini M.K., Sharma P., Prasad J., Kothari S.L., Gour V.S.	Biocatalysis and Agricultural Biotechnology	2019	2
703	Identification and evaluation of quercetin as a potential inhibitor of naphthoate synthase from <i>Enterococcus faecalis</i>	Das S., Batra S., Gupta P.P., Kumar M., Srivastava V.K., Jyoti A., Singh N., Kaushik S.	Journal of Molecular Recognition	2019	3
704	Detection of pharming attack on websites using Svm classifier	Manhas S., Taterh S., Singh D.	International Journal of Scientific and Technology Research	2019	
705	Person, Patient, Public, Peers: the four pillars of physician practice	Joshi A., Priya G., Verma K., Kalra S.	JPMA. The Journal of the Pakistan Medical Association	2019	
706	Evaluation of influence of different strains of agrobacterium rhizogenes on efficiency of hairy root induction in <i>rauwolfia serpentina</i>	Bhagat P., Verma S.K., Singh A.K., Aseri G.K., Khare N.	Indian Journal of Genetics and Plant Breeding	2019	5
707	Wideband Circular Shaped Fractal Patch Antenna for 2.45 GHz Biomedical Applications	Garhwal A., Ahmad M.R., Ahmad B.H., Rawat S., Singh P., Ray K., Bandyopadhyay A.	APACE 2019 - 2019 IEEE Asia-Pacific Conference on Applied Electromagnetics, Proceedings	2019	3
708	A New Effective TCP-CC Algorithm Performance Analysis (NS3)	Paliwal G., Sharma K.P., Taterh S., Varshney S.	2019 4th International Conference on Information Systems and Computer Networks, ISCON 2019	2019	1
709	Dual Band Flower Shaped Fractal Patch Antenna for Remote Health Monitoring	Garhwal A., Ahmad M.R., Ahmad B.H., Rawat S., Singh P., Ray K., Bandyopadhyay A.	ICRAIE 2019 - 4th International Conference and Workshops on Recent Advances and Innovations in Engineering: Thriving Technologies	2019	
710	Assessment of genetic diversity in 29 rose germplasms using SCoT marker	Agarwal A., Gupta V., Ul Haq S., Jatav P.K., Kothari S.L., Kachhwaha S.	Journal of King Saud University - Science	2019	39
711	In search of novel protein drug targets for treatment of <i>Enterococcus faecalis</i> infections	Singh H., Das S., Yadav J., Srivastava V.K., Jyoti A., Kaushik S.	Chemical Biology and Drug Design	2019	1
712	Evaluation of newly developed 'six recombinant secretory proteins based 'cocktail ELISA' and 'whole cell lysate' based 'indigenous ELISA' and tissue microscopy' with 'Gold standard' histo-pathology for the diagnosis of John's disease in slaughtered goats and buffaloes	Chaubey K.K., Gangwar N., Pawaiya R.S., Jatav G.P., Sohail J.S., Singh S.V., Singh M., Gupta S., Kumaresan G., Kumar N., Jayaraman S.	Comparative Immunology, Microbiology and Infectious Diseases	2019	2
713	Software defined networking - Imposed security measures over vulnerable threats and attacks	Kaliyamurthy N.M., Taterh S., Shanmugasundaram S.	International Journal of Applied Metaheuristic Computing	2019	
714	Development and evaluation of LAMP-coupled lateral flow device for the detection of MAP in livestock at point of care resource-limited areas	Punati R.D., Mallepaddi P.C., Poonati R., Maity S.N., Sohail J.S., Polavarapu K.K.B., Polavarapu R.	Brazilian Journal of Microbiology	2019	1
715	Test case design and test case prioritization using machine learning	Sharma M.M., Agrawal A., Suresh Kumar B.	International Journal of Engineering and Advanced Technology	2019	1
716	Uses of bio-adsorbents for the purification of water: A step towards the welfare of human society	Bhargava A., Anand M., Sharma A., Saji J., Sihag J., Prakash D.	Research Journal of Pharmacy and Technology	2019	
717	Gender dynamics in morality of alcohol addict and non-addict young indian college students	Rathore B.S., Joshi U.	Indian Journal of Public Health Research and Development	2019	



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718	Experimental and theoretical assessment of Fe-doped indium-oxide-based dilute magnetic semiconductors	Mukherji R., Mathur V., Samariya A., Mukherji M.	Philosophical Magazine	2019	3
719	A study of the fractional-order mathematical model of diabetes and its resulting complications	Srivastava H.M., Shanker Dubey R., Jain M.	Mathematical Methods in the Applied Sciences	2019	30
720	Emerging Roles of Th9 Cells as an Anti-tumor Helper T Cells	Chandwaskar R., Awasthi A.	International Reviews of Immunology	2019	7
721	Physiological and gene expression studies of selected Zea mays L. and Pennisetum glaucum (L.) R. Br. genotypes to simulated drought stress condition	Iwuala E., Odjegba V., Umebese C., Sharma V., Alam A.	Vegetos	2019	4
722	Modified shuffled frog leaping algorithm by adaptive step size: Applications to constraint engineering design problems	Naruka B., Yadav A.K., Vaishali, Sharma S., Rathore J.S.	International Journal of Innovative Technology and Exploring Engineering	2019	
723	Conceptual novel approaches for effective drug delivery system in nanomedicines	Kumar V., Pandey A., Kumar S., Lakhawat S.S.	International Journal of Pharmaceutical Research	2019	
724	Development of available transfer capability enhancement using intelligent genetic algorithm for IEEE bus system	Rohini R., Rao D.N., Ravi S., Sampath Kumar V.	Intelligent Automation and Soft Computing	2019	2
725	Nootropic medicinal plants: Therapeutic alternatives for Alzheimer's disease	Vyas S., Kothari S.L., Kachhwaha S.	Journal of Herbal Medicine	2019	12
726	Efficacy of antimicrobial properties of acalyphia indica against clinical isolates of human pathogen	Singh D.D.	Research Journal of Pharmacy and Technology	2019	1
727	Effect of drought stress on the expression of genes linked to antioxidant enzymatic activity in landraces of Zea mays L. and Pennisetum glaucum (L.) R. Br.	Iwuala E., Odjegba V., Ajiboye A., Umebese C., Sharma V., Alam A.	Plant Physiology Reports	2019	3
728	Dual band printed bow-tie antenna for WLAN/WiMAX application	Vijay S.K., Hassan N., Ahmad M.R., Ahmad B.H., Rawat S., Ray K.	Journal of Advanced Manufacturing Technology	2019	1
729	Development and standardization of quality control parameters of different parts of Trianthema portulacastrum L.	Prakash A., Janmeda P., Pathak P., Bhatt S., Sharma V.	SN Applied Sciences	2019	1
730	Comparative study of soil fertility based on SFM computational model for IB-INW and IC-Hapi Zone	Sihag J., Prakash D., Yadav P.	International Journal of Mechanical and Production Engineering Research and Development	2019	1
731	Highly-sensitive potassium-tantalum-niobium oxide humidity sensor	Ravikant, Singh S., Gupta G., Yadav S., Dubey P.K., Ojha V.N., Kumar A.	Sensors and Actuators, A: Physical	2019	15
732	Quantification of NETs formation in neutrophil and its correlation with the severity of sepsis and organ dysfunction	Kumar S., Gupta E., Kaushik S., Srivastava V.K., Saxena J., Mehta S., Jyoti A.	Clinica Chimica Acta	2019	23
733	A compact UWB antenna design using modified ground plane	Toshniwal S.K., Prajapati A., Ray K., Ahmad M.R., Ahmad B.H., Singh P., Bandyopadhyay A.	International Journal of Innovative Technology and Exploring Engineering	2019	1
734	DWT-DCT based copyright protection in ybcr color space	Chaturvedi R., Sharma A., Dwivedi U., Kumar S.	International Journal of Innovative Technology and Exploring Engineering	2019	
735	Double Fibonacci spiral microstrip patch antenna for dual band applications	Meena A., Garhwal A., Ray K.	International Journal of Innovative Technology and Exploring Engineering	2019	



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736	Assessment of antimicrobial activity against clinical isolates of human pathogen, physiochemical and phytochemical analysis of <i>Lantana indica</i> roxb	Singh D.D.	Research Journal of Pharmacy and Technology	2019	1
737	Effect of elicitors on growth, biochemical and antioxidant activity in two varieties of wheat (<i>Triticum aestivum</i> L.) under drought	Thakur A., Kumari N., Sharma V.	Indian Journal of Agricultural Research	2019	
738	Bacteriocins: Production, different strategies of purification and applications	Sharma V., Ranveer R.C., Jain N., Aseri G.K.	International Journal of Research in Pharmaceutical Sciences	2019	2
739	Evolution of extreme rainfall events over Indo-Gangetic plain in changing climate during 1901–2010	Bhatla R., Verma S., Pandey R., Tripathi A.	Journal of Earth System Science	2019	16
740	Retraction notice to "Production of transgenic local rice cultivars (<i>Oryza sativa</i> L.) for improved drought tolerance using <i>Agrobacterium</i> mediated transformation" [Saudi J. Biol. Sci. 25 (2018) 1535–1545](S1319562X16000371)(10.1016/j.sjbs.2016.01.035)	Samara Shekar Reddy S., Singh B., Peter A.J., Venkateswar Rao T.	Saudi Journal of Biological Sciences	2019	
741	Targeting fatty acid synthase protein by molecular docking studies of naturally occurring ganoderic acid analogues acting as anti-obesity molecule	Kaushal S.K., Shailesh K., Brijendra S., Saurabh B., Nisha P., Ishan P.K., Prakash B.S.	Research Journal of Biotechnology	2019	1
742	Cross opposition based differential evolution optimization	Sharma S., Yadav A.K., Sinwar D., Naruka B., Vaishali	International Journal of Recent Technology and Engineering	2019	
743	Nature inspired fibonacci sequence microstrip patch antenna for energy harvesting applications	Meena A., Garhwal A., Ray K.	International Journal of Recent Technology and Engineering	2019	2
744	Export competitiveness of indian oilseeds: The method of constant market share (CMS) with special reference to groundnut	Arora A., Batra D.	International Journal of Innovative Technology and Exploring Engineering	2019	1
745	Development and validation of rapid, sensitive and inexpensive protein g-based point of care diagnostic assay for serodiagnosis of paratuberculosis at resource-limited areas	Punati R.D., Mallepaddi P.C., Poonati R., Jain M., Maity S.N., Sohal J.S., Podha S., Kavi Kishor P.B., Polavarapu R.	Current Trends in Biotechnology and Pharmacy	2019	1
746	Miniaturized Cupcake Fractal Patch Antenna for Biomedical Applications	Garhwal A., Ahmad M.R., Ahmad B.H., Rawat S., Singh P., Ray K., Bandyopadhyay A.	Proceedings of the 4th International Conference on Communication and Electronics Systems, ICCES 2019	2019	
747	Removal of pollutants using spent mushrooms substrates	Kulshreshtha S.	Environmental Chemistry Letters	2019	17
748	Profiling of <i>Mycobacterium avium</i> subspecies paratuberculosis in the milk of lactating goats using antigen-antibody based assays	Singh M., Gupta S., Chaubey K.K., Singh S.V., Sohal J.S.	Comparative Immunology, Microbiology and Infectious Diseases	2019	1
749	A coupled ocean-atmosphere downscaled climate projection for the peninsular Florida region	Misra V., Mishra A., Bhardwaj A.	Journal of Marine Systems	2019	8
750	Translation initiation codon (ATG) or SCoT markers-based polymorphism study within and across various <i>Capsicum</i> accessions: insight from their amplification, cross-transferability and genetic diversity	Gupta V., Jatav P.K., Haq S.U., Verma K.S., Kaul V.K., Kothari S.L., Kachhwaha S.	Journal of Genetics	2019	15
751	Special Issue on Emerging Trend and Techniques of Cyber Physical Systems	Poonia R.C., Chang W., Katewa V., Gao X.-Z.	Journal of Systems Architecture	2019	1



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S. No.	Title of the Paper	Name of the author	Title of the Journal	Year of Publication	Citation Index
752	UWB antenna with dual band notch characteristics	Vijay S.K., Jain S., Ahmad M.R., Ahmad B.H., Rawat S., Singh P., Ray K., Bandyopadhyay A.	International Journal of Engineering and Advanced Technology	2019	3
753	Circular and elliptical shaped fractal patch antennas for multiple applications	Garhwal A., Ahmad M.R., Ahmad B.H., Rawat S., Singh P., Ray K., Bandyopadhyay A.	International Journal of Engineering and Advanced Technology	2019	11
754	Impact of social media on generation Y for buying fashion apparel	Tripathi S.	Journal of Content, Community and Communication	2019	2
755	An enhanced quantum key distribution protocol for security authentication	Kumar A., Dadheech P., Singh V., Raja L., Poonia R.C.	Journal of Discrete Mathematical Sciences and Cryptography	2019	39
756	Mobile android-based remote patient monitoring system through wearable sensors	Andrews L.J.B., Raja L., Shanmugasundaram S.	Journal of Discrete Mathematical Sciences and Cryptography	2019	7
757	A review of model on malware detection and protection for the distributed control systems (Industrial control systems) in oil & gas sectors	Yask, Kumar B.S.	Journal of Discrete Mathematical Sciences and Cryptography	2019	1
758	Diverse real-time attack traffic forecasting for cloud platforms	Arora A.S., Bahl B., Raja L.	Journal of Discrete Mathematical Sciences and Cryptography	2019	4
759	An improved quantum key distribution protocol for verification	Kumar A., Dadheech P., Singh V., Poonia R.C., Raja L.	Journal of Discrete Mathematical Sciences and Cryptography	2019	27
760	Honeycomb Shaped Fractal Antenna with Defected Ground Structure for UWB Applications	Keshwala U., Rawat S., Ray K.	2019 6th International Conference on Signal Processing and Integrated Networks, SPIN 2019	2019	9
761	Salt stress triggers augmented levels of Na ⁺ , Ca ²⁺ and ROS and alter stress-responsive gene expression in roots of CBL9 and CIPK23 knockout mutants of Arabidopsis thaliana	Nath M., Bhatt D., Jain A., Saxena S.C., Saifi S.K., Yadav S., Negi M., Prasad R., Tuteja N.	Environmental and Experimental Botany	2019	13
762	Assessment of occupational health hazards due to particulate matter originated from spices	Upadhyay E., Almass A.A.M., Dasgupta N., Rahman S., Kim J., Datta M.	International Journal of Environmental Research and Public Health	2019	2
763	Determiners of clothing interest among adolescents	Chandel P.K., Sharma Y., Kucheria V.N.	International Journal of Innovative Technology and Exploring Engineering	2019	
764	Body image, mental health and quality of life of married working women in India	Chandel P.K., Shekhawat J.	International Journal of Innovative Technology and Exploring Engineering	2019	
765	An exploratory study to gauge the youth's perception about the usage of mobile apps for shopping	Gupta N., Bhatnagar D.	International Journal of Recent Technology and Engineering	2019	
766	Review of Predictive Analysis Techniques for Analysis Diabetes Risk	Vyas S., Ranjan R., Singh N., Mathur A.	Proceedings - 2019 Amity International Conference on Artificial Intelligence, AICAI 2019	2019	5
767	Study on Use of AI and Big Data for Commercial System	Vyas S., Jain S.S., Choudhary I., Chaudhary A.	Proceedings - 2019 Amity International Conference on Artificial Intelligence, AICAI 2019	2019	3
768	Converging Blockchain and Machine Learning for Healthcare	Vyas S., Gupta M., Yadav R.	Proceedings - 2019 Amity International Conference on Artificial Intelligence, AICAI 2019	2019	24
769	A Penalty Method Based-Spring Design optimization Using Bio-inspired Computation Approach	Igiri C.P., Bhargava D., Singh Y.	Proceedings - 2019 Amity International Conference on Artificial Intelligence, AICAI 2019	2019	2



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770	Prediction Algorithms and Consecutive Estimation of Software Product Line Feature Model Usability	Vyas G., Vyas S., Paul P.K., Sharma A., Bhardwaj C.	Proceedings - 2019 Amity International Conference on Artificial Intelligence, AICAI 2019	2019	1
771	Essential Parameters of ASMAN Framework to Compare SSPs in Cloud Computing	Dadhich M., Rathore V.S., Vyas S.	Proceedings - 2019 Amity International Conference on Artificial Intelligence, AICAI 2019	2019	
772	Inscribe the Exigency of Map Matching Performance for Curve Navigation on Road/Highways	Sharma K.P., Jain R.	Proceedings - 2019 Amity International Conference on Artificial Intelligence, AICAI 2019	2019	2
773	Survey on Online Electronic Payments Security	Saxena S., Vyas S., Suresh Kumar B., Gupta S.	Proceedings - 2019 Amity International Conference on Artificial Intelligence, AICAI 2019	2019	9
774	An appraisal of cuticular wax of Calotropis procera (Ait.) R. Br.: Extraction, chemical composition, biosafety and application	Sharma P., Madhyastha H., Madhyastha R., Nakajima Y., Maruyama M., Verma K.S., Verma S., Prasad J., Kothari S.L., Gour V.S.	Journal of Hazardous Materials	2019	7
775	Employment structure, casualization and wage differential in rural Uttar Pradesh: a disaggregated analysis	Mishra N.K., Singh U.B.	Area Development and Policy	2019	3
776	An assessment of the soil fertilization status of IB-INW zone of Rajasthan	Sihag J., Prakash D.	International Journal of Mechanical and Production Engineering Research and Development	2019	1
777	Relationship between perceived stress and coping mechanism an exploratory case study on hospitality students	Kumar S., Singh A., Durugkar S.R.	International Journal of Recent Technology and Engineering	2019	
778	Mechanically reconfigurable hexagonal fractal patch antenna for ambient computing	Garhwal A., Ahmad M.R., Ahmad B., Rawat S., Singh P., Ray K., Bandyopadhyay A.	International Journal of Innovative Technology and Exploring Engineering	2019	8
779	Performance evaluation of flooding based routing protocol for delay tolerant networks	Gupta S., Poonia R.C., Gao X.-Z.	International Journal of Recent Technology and Engineering	2019	
780	Conceptual analysis of energy plus category for futuristic urban human settlements	Verma A.C., Singh J., Ranjan A.	International Journal of Engineering and Advanced Technology	2019	
781	Application of asynchronous DE with trigonometric mutation in engineering design problems	Vaishali, Panwar D., Sharma D.P., Yadav A.K.	International Journal of Innovative Technology and Exploring Engineering	2019	
782	Research on virtual servers based distributed database system	Vyas S.	International Journal of Innovative Technology and Exploring Engineering	2019	
783	Phytochemical screening of Terminalia arjuna and Glycyrrhiza glabra showing the effect of different drying techniques	Gupta S., Bishnoi J.P.	Research Journal of Pharmacy and Technology	2019	2
784	Trehalose: An anonymity turns into necessity	Datta M., Desai D.	High Value Fermentation Products, Volume 1: Human Health	2019	
785	Study of Domain Switching Using Piezoresponse Force Microscopy in Ca 0.4 Sr 0.6 Bi 4 Ti 4 O 15 Thin Film for Electromechanical Applications	Mitra S., Gupta S., Joseph A.M., Dwivedi U.K.	Electronic Materials Letters	2019	3
786	Heterologous expression of serine hydroxymethyltransferase-3 from rice confers tolerance to salinity stress in E. Coli and arabidopsis	Mishra P., Jain A., Takabe T., Tanaka Y., Negi M., Singh N., Jain N., Mishra V., Maniraj R., Krishnamurthy S.L., Sreevathsa R., Singh N.K., Rai V.	Frontiers in Plant Science	2019	13



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787	Gum acacia-PVA hydrogel blends for wound healing	Parwani L., Bhatnagar M., Bhatnagar A., Sharma V., Sharma V.	Vegetos	2019	6
788	Single step formation of biocompatible bimetallic alloy nanoparticles of gold and silver using isonicotinylhydrazide	Navya P.N., Madhyastha H., Madhyastha R., Nakajima Y., Maruyama M., Srinivas S.P., Jain D., Amin M.H., Bhargava S.K., Daima H.K.	Materials Science and Engineering C	2019	24
789	Evaluation of Robustness of the Biosurfactant Derived from <i>Balanites aegyptiaca</i> (L.) Del.	Sharma P., Saini M.K., Prasad J., Gour V.S.	Journal of Surfactants and Detergents	2019	3
790	Influence of natural saferock mineral on soil micro-biological parameters under rice-wheat cropping system	Ranva S., Singh Y.V., Jain N., Bajjiya D.R.	Bangladesh Journal of Botany	2019	1
791	Alienation, attachment style, and alcohol addiction "a study of young women habitual drinkers"	Rathore B.S., Joshi U.	Indian Journal of Public Health Research and Development	2019	
792	Exploiting contextual information of color images through feature extraction techniques for semantic segmentation	Kumar C.S., Sharma V.K., Chaturvedi R.	International Journal of Recent Technology and Engineering	2019	
793	Octagon and decagon shaped fractal patch antennas for S, C and X band applications	Garhwal A., Hassan N., Ahmad M.R., Ahmad B.H., Rawat S., Singh P., Ray K., Bandyopadhyay A.	International Journal of Recent Technology and Engineering	2019	8
794	Analysis of Sun Flower Shaped Monopole Antenna	Singh P., Ray K., Rawat S.	Wireless Personal Communications	2019	13
795	Disposable bismuth-based electrodes for heavy metal ion detection	Gupta S., Sapna K.M., Ray K., Kothari S.L., Awasthi K., Kumar M.	IOP Conference Series: Earth and Environmental Science	2019	2
796	Knowledge building through optimized classification rule set generation using genetic based elitist multi objective approach	Gupta P., Sharma T.K., Mehrotra D., Abraham A.	Neural Computing and Applications	2019	4
797	Biogenic synthesis and characterization of silver nanoparticles from bacteria isolated from garden soil and its antibacterial activity against <i>enterococcus faecalis</i>	Saini M.K., Das S., Moti H.S., Lakhawat S.S., Jyoti A., Srivastava V.K., Kaushik S.	International Journal of Research in Pharmaceutical Sciences	2019	2
798	Genomics	Singh D.D., Datta M.	Omics Approaches, Technologies And Applications: Integrative Approaches For Understanding OMICS Data	2019	
799	Genetic transformation of indica rice varieties involving Am-SOD gene for improved abiotic stress tolerance	Samara Shekar Reddy S., Singh B., John Peter A., Venkateswar Rao T.	Saudi Journal of Biological Sciences	2019	3
800	Impact of parental stress on body mass index of children	Pareek A., Joshi U.	Indian Journal of Public Health Research and Development	2019	
801	Recent advances in biosensors for diagnosis and detection of sepsis: A comprehensive review	Kumar S., Tripathy S., Jyoti A., Singh S.G.	Biosensors and Bioelectronics	2019	65
802	Analytical solution of generalized space-time fractional advection-dispersion equation via coupling of Sumudu and Fourier transforms	Gill V., Singh J., Singh Y.	Frontiers in Physics	2019	17
803	Nitrosative stress and cytokines are linked with the severity of sepsis and organ dysfunction	Kumar S., Gupta E., Srivastava V.K., Kaushik S., Saxena J., Goyal L.K., Mehta S., Jyoti A.	British Journal of Biomedical Science	2019	12



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3.4.8 Bibliometric of the publications during the last five years based on average Citation Index in Scopus/ Web of Science/PubMed

S. No.	Title of the Paper	Name of the author	Title of the Journal	Year of Publication	Citation Index
804	Black-hole gbest differential evolution algorithm for solving robot path planning problem	Sharma P., Sharma H., Kumar S., Sharma K.	Advances in Intelligent Systems and Computing	2019	8
805	FDTD approach to photonic based angular waveguide for wide range of sensing application	Mishra C.S., Nayyar A., Kumar S., Mahapatra B., Palai G.	Optik	2019	6
806	Label powerset based multi-label classification for mobile applications	Gupta P., Sharma T.K., Mehrotra D.	Advances in Intelligent Systems and Computing	2019	
807	Preface	Ray K., Sharma T.K., Rawat S., Saini R.K., Bandyopadhyay A.	Advances in Intelligent Systems and Computing	2019	
808	Artificial bee colony application in cost optimization of project schedules in construction	Sharma T.K., Rajpurohit J., Sharma V., Prakash D.	Advances in Intelligent Systems and Computing	2019	1
809	Working of an ontology established search method in social networks	Kumar U., Sharma U., Taterh S.	Advances in Intelligent Systems and Computing	2019	
810	A review: Importance of various modeling techniques in agriculture/crop production	Sihag J., Prakash D.	Advances in Intelligent Systems and Computing	2019	3
811	Software-defined networking—imposed security measures over vulnerable threats and attacks	Kumar U., Taterh S., Murugan Kaliyamurthy N.	Advances in Intelligent Systems and Computing	2019	
812	Performance investigations of multi-resonance microstrip patch antenna for wearable applications	Singh R., Seth D., Rawat S., Ray K.	Advances in Intelligent Systems and Computing	2019	1
813	Local search strategy embedded ABC and its application in cost optimization model of project time schedule	Sharma T.K., Rajpurohit J.	International Journal of Applied Metaheuristic Computing	2019	
814	A review of internet of things from Indian perspective	Upadhyay K., Yadav A.K., Gandhi P.	Lecture Notes in Electrical Engineering	2019	4
815	Complete dielectric resonator model of human brain from MRI data: A journey from connectome neural branching to single protein	Singh P., Ray K., Fujita D., Bandyopadhyay A.	Lecture Notes in Electrical Engineering	2019	8
816	A review on scale factor strategies in differential evolution algorithm	Sharma P., Sharma H., Kumar S., Bansal J.C.	Advances in Intelligent Systems and Computing	2019	10
817	Preface	Ray K., Sharan S.N., Rawat S., Jain S.K., Srivastava S., Bandyopadhyay A.	Lecture Notes in Electrical Engineering	2019	
818	Design a new protocol and compare with BB84 protocol for quantum key distribution	Kalra M., Poonia R.C.	Advances in Intelligent Systems and Computing	2019	6
819	Design and analysis of low profile, enhanced bandwidth UWB microstrip patch antenna for body area network	Singh R., Rathour A.S., Kumar V., Seth D., Rawat S., Ray K.	Lecture Notes in Electrical Engineering	2019	1
820	OsSIZ2 regulates nitrogen homeostasis and some of the reproductive traits in rice	Pei W., Jain A., Ai H., Liu X., Feng B., Wang X., Sun Y., Xu G., Sun S.	Journal of Plant Physiology	2019	6
821	Nanomedicine in sensing, delivery, imaging and tissue engineering: Advances, opportunities and challenges	Navya P.N., Kaphle A., Daima H.K.	SPR Nanoscience	2019	19
822	Logarithmic spiral based local search in artificial bee colony algorithm	Sharma S., Kumar S., Nayyar A.	Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, LNICST	2019	8



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S. No.	Title of the Paper	Name of the author	Title of the Journal	Year of Publication	Citation Index
823	Pyrrrolizidine alkaloids and their biological properties from Indian Heliotropium species	Singh B., Sharma R.A.	Current Bioactive Compounds	2019	2
824	Arrhenius artificial bee colony algorithm	Kumar S., Nayyar A., Kumari R.	Lecture Notes in Networks and Systems	2019	11
825	Synthesis, Characterization, DFT of Novel, Symmetrical, N/O-donor Tetradentate Schiff's base, Its Co(II), Ni(II), Cu(II), Zn(II) Complexes and Their in-vitro Human Pathogenic Antibacterial Activity	Chand S., Tyagi M., Tyagi P., Chandra S., Sharma D.	Egyptian Journal of Chemistry	2019	11
826	Electrical Characterization of PVA-MgSO ₄ and PVA-Li ₂ SO ₄ Polymer Salt Composite Electrolytes	Rathore M., Dalvi A.	Materials Today: Proceedings	2019	3
827	Preface	Sharma T.K., Pandey S.K., Banerjee C., Banerjee A.	International Journal of Product Development	2019	
828	Streptomycin functionalization on silver nanoparticles for improved antibacterial activity	Shruthi T.S., Meghana M.R., Medha M.U., Sanjana S., Navya P.N., Kumar Daima H.	Materials Today: Proceedings	2019	17
829	Enzyme immobilization on quercetin capped gold and silver nanoparticles for improved performance	Sanjana S., Medha M.U., Meghna M.R., Shruthi T.S., Srinivas S.P., Madhyastha H., Navya P.N., Daima H.K.	Materials Today: Proceedings	2019	15
830	Various Issues and considerations for the Static Power Consumption in NANO-CMOS: Design Perspective	Yadav A.K., Upadhyay K., Gandhi P., Vaishali	Materials Today: Proceedings	2019	1
831	Optical studies on bismuth chalcogenides	Gupta S., Singh R., Anoop M.D., Mathur D., Ray K., Kothari S.L., Awasthi K., Kumar M.	Materials Today: Proceedings	2019	2
832	Performance Analysis of Flat Plate Solar Collector using Al ₂ O ₃ /Distilled Water Nanofluid: An Experimental Investigation	Singh Rajput N., Dilipbhai Shukla D., Rajput D., Kumar Sharm S.	Materials Today: Proceedings	2019	23
833	An opinion on nanomedicine and toxico-cellular crosstalk: Considerations and Caveats	Madhyastha H., Madhyastha R., Nakajima Y., Daima H.K., Navya P.N., Maruyama M.	Materials Today: Proceedings	2019	2
834	Analysis of lean manufacturing implementation in SMEs: A "5S" technique	Sharma S.S., Shukla D.D., Sharma B.P.	Lecture Notes in Mechanical Engineering	2019	4
835	Photosynthetic efficiency and antioxidant potential of pennisetum glaucum (L.) R. Br. genotypes under simulated drought stress	Iwuala E., Odjegba V., Ajiboye A., Sharma V., Alam A.	Plant Cell Biotechnology and Molecular Biology	2019	
836	IoT Based Alert System for Visually Impaired Persons	Bhatnagar V., Chandra R., Jain V.	Communications in Computer and Information Science	2019	
837	State of the art and gap analysis of precision agriculture: A case study of Indian Farmers	Bhatnagar V., Poonia R.C., Sunda S.	International Journal of Agricultural and Environmental Information Systems	2019	2
838	A note on comparison between statistical cluster and neural network cluster	Prasad J., Rajawat R.	Recent Patents on Engineering	2019	
839	"Water" use it - Wisely WSN-irrigation system (WSN-IS) for smart home garden	Durugkar S.R., Poonia R.C., Naik R.B.	Recent Patents on Engineering	2019	2
840	An Optimization Model for Software Quality Prediction with Case Study Analysis Using MATLAB	Gheisari M., Panwar D., Tomar P., Harsh H., Zhang X., Solanki A., Nayyar A., Alzubi J.A.	IEEE Access	2019	22
841	Design a new protocol and comparison with B92 protocol for quantum key distribution	Kalra M., Poonia R.C.	International Journal of Internet Protocol Technology	2019	



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842	Exploring proteomic drug targets, therapeutic strategies and protein protein interactions in cancer: Mechanistic view	Dar K.B., Bhat A.H., Amin S., Anjum S., Reshi B.A., Zargar M.A., Masood A., Ganie S.A.	Current Cancer Drug Targets	2019	5
843	Soil moisture sensors for sustainable irrigation: Comparison and calibration	Bhatnagar V., Chandra R., Prasad J.	International Journal of Sustainable Agricultural Management and Informatics	2019	4
844	Reliability and profit analysis of a two unit gas turbine power generating system with effect of ambient temperature and priority	Rajesh, Taneja G., Prasad J.	Journal of Advanced Research in Dynamical and Control Systems	2019	
845	Impact of training & development programs on working proficiency of employees in Rajasthan: Engaged in technical and professional institutions	Kulhari P., Agarwal V.	Journal of Advanced Research in Dynamical and Control Systems	2019	
846	Effect of natural safe rock minerals on growth, yield and quality of rice (<i>Oryza sativa</i>) in rice-wheat cropping system	Ranva S., Singh Y.V., Jain N., Bana R.C., Bana R.S., Bajja D.R.	Indian Journal of Agricultural Sciences	2019	3
847	Numerical study of effects of adrenal hormones on lymphocytes	Samuel S., Gill V., Kumar D., Singh Y.	Springer Proceedings in Mathematics and Statistics	2019	
848	E-learning in LIS education in India: Status and efforts for improvement	Mishra A.	Library Philosophy and Practice	2019	
849	The norm of pre-Schwarzian derivative on subclasses of bi-univalent functions	Rana S., Goswami P., Dubey R.S.	AIMS Mathematics	2019	2
850	Some fractional integral inequalities for the katugampola integral operator	Dubey R.S., Goswami P.	AIMS Mathematics	2019	6
851	Advances in swarm intelligence and machine learning for optimizing problems in image processing and data analytics (Part 1)	Nayyar A., Kumar S., Nguyen N.G.	Recent Patents on Computer Science	2019	4
852	Differential and developmental stage specific abundance of Zmdreb2a mRNA transcripts under drought stress and root development in Zea mays (L.)	Sharma R., Azad M., Nunia V., Kothari S.L., Kachhwaha S.	Plant OMICS	2019	
853	The glucocoper - An exploratory study to assess coping mechanisms of women diagnosed with diabetes mellitus	Kalra B., Kalra S., Balhara Y.P.S., Verma K., Azam A.A.S., Shaikh F.A.	European Endocrinology	2019	1
854	An improved chaotic-based African buffalo optimisation algorithm	Igiri C.P., Singh Y., Poonia R.C.	International Journal of Innovative Computing and Applications	2019	
855	Securing the soho software defined network with the extended user interaction	Kaliyamurthy N.M., Taterh S., Shanmugasundaram S.	Journal of Advanced Research in Dynamical and Control Systems	2019	
856	Mechanical and tribological properties of hybrid al metal matrix composite using industrial waste and agriculture waste:-an overview	Dewangan R., Pandey P.K.	Journal of Advanced Research in Dynamical and Control Systems	2019	
857	Intelligent Agents and Autonomous Robots	Bhargava D.	Rapid Automation: Concepts, Methodologies, Tools, and Applications	2019	2
858	Is pouch specific to colon and not ileum?	Gupta S., Tiwari P., Gupta N., Nunia V., Saxena A.K., Simlot A., Kothari S.L., Suravajhala P., Medicherla K.M., Mathur P.	Current Pediatric Reviews	2019	1



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859	L1-convergence of double trigonometric series	Singh K., Modi K.	Filomat	2019	
860	Metal oxide hybrids and their polymer nanocomposites with its various properties	Singh S., Rathore D., Dwivedi U.K.	Journal of Advanced Research in Dynamical and Control Systems	2019	
861	Isothermal titration calorimetry	Srivastava V.K., Yadav R.	Data Processing Handbook for Complex Biological Data Sources	2019	10
862	In vitro propagation of chia (<i>Salvia hispanica</i> L.) and assessment of genetic fidelity using random amplified polymorphic DNA and intersimple sequence repeat molecular markers	Yadav A., Kothari S.L., Kachhwaha S., Joshi A.	Journal of Applied Biology and Biotechnology	2019	9
863	Applications of genome editing in pet world	Sohal J.S., Khan A., Vats D., Jain M., Polavarapu R., Aseri G.K., Sharma D.	Genomics and Biotechnological Advances in Veterinary, Poultry, and Fisheries	2019	2
864	Biological databases in virology	Gupta P.P., Bastikar V.A., Chhajed S.S., LalKothari S.	Emerging and Reemerging Viral Pathogens: Volume 2: Applied Virology Approaches Related to Human, Animal and Environmental Pathogens	2019	
865	Generating bioelectricity from different organic residues using microbial fuel cells	Sharma S., Kuila A., Sharma V.	Plant Biotechnology: Progress in Genomic Era	2019	
866	Exploring the role of social media as a support mechanism among persons with diabetes: An online ethnographic study	Verma M., Junaid A., Verma K., Gupta D.D.	Journal of Content, Community and Communication	2019	2
867	Enhancement of Nusselt number by using CNT and CuO Nanofluids in Heat exchangers	Singh Rajput N., Dilipbhai Shukla D., Ishan L., Seshu Madhav K.	Materials Today: Proceedings	2019	1
868	Enhancement of Nusselt number by using Al ₂ O ₃ and TiO ₂ Nanofluids in Heat Exchangers	Singh Rajput N., Dilipbhai Shukla D., Ishan L., Seshu Madhav K.	Materials Today: Proceedings	2019	3
869	Effect of MWCNT on Mechanical Properties of Polymer Based Composite Brick	Singh Rajput N., Dilipbhai Shukla D., Ishan L., Dass V.	Materials Today: Proceedings	2019	
870	Complexation of plasmid DNA and poly(ethylene oxide)/poly(propylene oxide) polymers for safe gene delivery	Daima H.K., Shankar S., Anderson A., Periasamy S., Bhargava S., Bansal V.	Environmental Chemistry Letters	2018	7
871	Continuous wavelet transform-based no-reference quality assessment of deblocked images	Joshi P., Prakash S., Rawat S.	Visual Computer	2018	8
872	Production of transgenic local rice cultivars (<i>Oryza sativa</i> L.) for improved drought tolerance using Agrobacterium mediated transformation	Samara Shekar Reddy S., Singh B., Peter A.J., Venkateswar Rao T.	Saudi Journal of Biological Sciences	2018	6
873	Organophosphorus pesticides residues in food and their colorimetric detection	Chawla P., Kaushik R., Shiva Swaraj V.J., Kumar N.	Environmental Nanotechnology, Monitoring and Management	2018	65
874	The potential role of land cover on secular changes of the hydroclimate of Peninsular Florida	Misra V., Mishra A., Bhardwaj A., Viswanathan K., Schmutz D.	npj Climate and Atmospheric Science	2018	8
875	Identification of potential inhibitors of sortase A: Binding studies, in-silico docking and protein-protein interaction studies of sortase A from <i>Enterococcus faecalis</i>	Das S., Srivastava V.K., Parray Z.A., Jyoti A., Islam A., Kaushik S.	International Journal of Biological Macromolecules	2018	3
876	Evaluation of Carbon Sequestration Potential in Amla (<i>Emblica officinalis</i> Gaertn.) Orchards in Semi-arid Region of India	Wankhede S., Saini M.K., Kothari S.L., Bala N., Singh G., Gour V.S.	Proceedings of the National Academy of Sciences India Section B - Biological Sciences	2018	



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877	Classification of 5' and 3' untranslated regions in human transcriptome by machine learning methods	Shailesh K., Sumit G., Vikram K., Sumita K., Kothari S.L.	Research Journal of Biotechnology	2018	
878	Relationship between attachment style and body mass index of children using ex-post facto research design	Pareek A., Joshi U.	Journal of Clinical and Diagnostic Research	2018	
879	Role of dreb1a gene in triticum aestivum l. Seeds treated with different elicitors to delay drought stress	Thakur A., Kumari N., Sharma V.	Research on Crops	2018	1
880	Study of the hydrogenation and re-heating of Co-doped ZnO and In ₂ O ₃ Nano composites	Mukherji R., Mathur V., Samariya A., Mukherji M.	Advanced Composites and Hybrid Materials	2018	4
881	Author Correction: The potential role of land cover on secular changes of the hydroclimate of Peninsular Florida (npj Climate and Atmospheric Science, (2018), 1, 1, (5), 10.1038/s41612-018-0016-x)	Misra V., Mishra A., Bhardwaj A., Viswanathan K., Schmutz D.	npj Climate and Atmospheric Science	2018	
882	Identification of key enablers for total productive maintenance (TPM) implementation in Indian SMEs: A graph theoretic approach	Jain A., Singh H., Bhatti R.S.	Benchmarking	2018	11
883	Electrochemical hydrogen evolution and storage studies on bismuth nano hexagons	Gupta S., Singh R., Agarwal G., Ray K., Kothari S.L., Verma A.S., Saraswat V.K., Awasthi K., Kumar M.	International Journal of Hydrogen Energy	2018	11
884	Metabolomic and biotechnological approaches to determine therapeutic potential of Withania somnifera (L.) Dunal: A review	Tripathi N., Shrivastava D., Ahmad Mir B., Kumar S., Govil S., Vahedi M., Bisen P.S.	Phytomedicine	2018	18
885	Identification of Age, Gender, Race & SMT (Scare, Marks, Tattoos) from Unconstrained Facial Images Using Statistical Techniques	Gupta R., Kumar S., Yadav P., Shrivastava S.	2018 International Conference on Smart Computing and Electronic Enterprise, ICSCEE 2018	2018	6
886	Barriers to implementation of smart grids and virtual power plant in sub-saharan region—focus Botswana	V. S.K., Prasad J., Samikannu R.	Energy Reports	2018	17
887	Electrochemical sensor for detection of mercury (II) ions in water using nanostructured bismuth hexagons	Gupta S., Singh R., Anoop M.D., Kulshrestha V., Srivastava D.N., Ray K., Kothari S.L., Awasthi K., Kumar M.	Applied Physics A: Materials Science and Processing	2018	16
888	A simple dynamic model that accounts for regulation of neuronal polarity	Lugo J.E., Mejia-Romero S., Doti R., Ray K., Kothari S.L., Withers G.S., Faubert J.	Journal of Integrative Neuroscience	2018	1
889	OsPHR3 affects the traits governing nitrogen homeostasis in rice	Sun Y., Luo W., Jain A., Liu L., Ai H., Liu X., Feng B., Zhang L., Zhang Z., Guohua X., Sun S.	BMC Plant Biology	2018	11
890	Bio-fabrication of silver nanoparticles by Pseudomonas aeruginosa: Optimisation and antibacterial activity against selected waterborne human pathogens	Bhatt D., Gupta E., Kaushik S., Srivastava V.K., Saxena J., Jyoti A.	IET Nanobiotechnology	2018	1
891	To what extent is mindfulness training effective in enhancing self-esteem, self-regulation and psychological well-being of school going early adolescents?	Modi S., Joshi U., Narayanakurup D.	Journal of Indian Association for Child and Adolescent Mental Health	2018	3



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892	Lead Bioremediation using spinach (<i>Spinacia oleracea</i> L.)	Kumar R., Palecha H., Sharma P., Mukherji M.D.	Indian Journal of Environmental Protection	2018	
893	Effect of Diwali Firecrackers on Air Quality and Aerosol Optical Properties over Mega City (Delhi) in India	Sateesh M., Soni V.K., Raju P.V.S.	Earth Systems and Environment	2018	16
894	Design of a portable luminescence bio-tool for on-site analysis of heavy metals in water samples	Mishra R.K., Rhouati A., Bueno D., Anwar M.W., Shahid S.A., Sharma V., Marty J.L., Hayat A.	International Journal of Environmental Analytical Chemistry	2018	4
895	Compact circular monopole antenna with band notch characteristics for UWB applications	Keshwala U., Rawat S., Ray K., Nair N., Yadav S.	2018 5th International Conference on Signal Processing and Integrated Networks, SPIN 2018	2018	3
896	Diffusion-Chemotaxis Model of Effects of Cortisol on Immune Response to Human Immunodeficiency virus	Samuel S., Gill V.	Nonlinear Engineering	2018	2
897	Microbial Bioprospecting for Sustainable Development	Singh J., Sharma D., Kumar G., Sharma N.R.	Microbial Bioprospecting for Sustainable Development	2018	14
898	Microbial metagenomics for industrial and environmental bioprospecting: The unknown envoy	Dhanjal D.S., Sharma D.	Microbial Bioprospecting for Sustainable Development	2018	8
899	Microbial biosurfactants: Future active food ingredients	Sharma V., Sharma D.	Microbial Bioprospecting for Sustainable Development	2018	1
900	Lnc-EPB41-protein interactions associated with congenital pouch colon	Gupta S., Gupta N., Tiwari P., Menon S., Mathur P., Kothari S.L., Nallapeta S., Medicherla K.M., Suravajhala P.	Biomolecules	2018	5
901	Local onset and demise of the Indian summer monsoon	Misra V., Bhardwaj A., Mishra A.	Climate Dynamics	2018	19
902	Characterizing the rainy season of Peninsular Florida	Misra V., Bhardwaj A., Mishra A.	Climate Dynamics	2018	10
903	'Nano-immuno test' for the detection of live <i>Mycobacterium avium</i> subspecies paratuberculosis bacilli in the milk samples using magnetic nano-particles and chromogen	Singh M., Singh S.V., Gupta S., Chaubey K.K., Stephan B.J., Sohal J.S., Dutta M.	Veterinary Research Communications	2018	7
904	Characterization of the loss-of-function mutant NH101 for yield under phosphate deficiency from EMS-induced mutants of rice variety Nagina22	Yugandhar P., Sun Y., Liu L., Negi M., Nallamothu V., Sun S., Neelamraju S., Rai V., Jain A.	Plant Physiology and Biochemistry	2018	5
905	Identification of suitable internal control genes for transcriptional studies in <i>Eleusine coracana</i> under different abiotic stress conditions	Jatav P.K., Sharma A., Dahiya D.K., Khan A., Agarwal A., Kothari S.L., Kachhwaha S.	Physiology and Molecular Biology of Plants	2018	5
906	Practical aspects of smart gardening system based on priority driven scheduling to utilize resources at optimum level	Durugkar S.R., Poonia R.C.	ICIC Express Letters, Part B: Applications	2018	
907	Microbial maceration: a sustainable approach for phytochemical extraction	Sharma B.R., Kumar V., Gat Y., Kumar N., Parashar A., Pinakin D.J.	3 Biotech	2018	3
908	Adaptation of subtests of kaufman assessment battery for children, second edition for Gujarati pre-school children	Patel D., Gopalan R., Nimbalkar S.	Indian Journal of Psychological Medicine	2018	
909	Gender differences and political deliberations on social media	Jain P., Sodha D., Jain M.P.	Media Watch	2018	5
910	Identification of point mutation in TLR2 gene and its association with mastitis in water buffalo	Thakur S., Singh M., Aseri G.K., Verma A., Vineeth M.R., Rayees M., Arya A.	Indian Journal of Animal Research	2018	1



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911	Crohn's disease management: From classical approaches to recent advances	Jayaraman S., Jain M., Singh A.K., Aseri G.K., Yadav P., Khare N., Sharma D., Sohal J.S.	International Journal of Research in Pharmaceutical Sciences	2018	
912	Handling Insulin-Related Emotions	Kalra S., Verma K.	Diabetes Therapy	2018	1
913	A performance evaluation of routing protocols for vehicular ad hoc networks with swarm intelligence	Poonia R.C.	International Journal of System Assurance Engineering and Management	2018	11
914	Accurate Real-Time Location Map Matching Algorithm for Large Scale Trajectory Data	Sharma K.P., Poonia R.C., Sunda S.	2018 7th International Conference on Reliability, Infocom Technologies and Optimization: Trends and Future Directions, ICRITO 2018	2018	3
915	Insight into the composition and surface corona reliant biological behaviour of quercetin engineered nanoparticles	Ugru M.M., Sheshadri S., Jain D., Madhyastha H., Madhyastha R., Maruyama M., Navya P.N., Daima H.K.	Colloids and Surfaces A: Physicochemical and Engineering Aspects	2018	16
916	A review on a heavy metal (arsenic) contamination in ground water, soil and translocation in plants	Kumar R., Das Mukherji M., Chakraborty S., Mukherji R.	Indian Journal of Environmental Protection	2018	1
917	Coping with illness: Insight from the Bhagavad Gita	Kalra B., Joshi A., Kalra S., Shanbhag V.G., Kunwar J., Balhara Y.P.S., Chaudhary S., Khandelwal D., Aggarwal S., Priya G., Verma K., Baruah M.P., Sahay R., Bajaj S., Agrawal N., Pathmanathan S., Prasad I., Chakraborty A., Ram N.	Indian Journal of Endocrinology and Metabolism	2018	
918	Exploring Gender Differences in Indian Urban Youth's Internet Usage	Chandel P.K., Lakhani P.K.	ACM International Conference Proceeding Series	2018	
919	Design of a miniaturized microstrip patch antenna for triple-band operation in X, Ku and K band with band-notch characteristics	Dhakad S.K., Prasad A., Dwivedi U.	IEEE International Conference on Power, Control, Signals and Instrumentation Engineering, ICPCSI 2017	2018	1
920	Computational linear model for predicting solar energy in Botswana	Kumar V.S., Prasad J., Samikannu R.	2017 International Conference on Energy, Communication, Data Analytics and Soft Computing, ICECDS 2017	2018	2
921	Application of artificial neural networks for prediction of solar radiation for Botswana	Kumar V.S., Prasad J., Narasimhan V.L., Ravi S.	2017 International Conference on Energy, Communication, Data Analytics and Soft Computing, ICECDS 2017	2018	6
922	Characterization of Capacitance Standards at High Frequency at National Physical Laboratory, India	Satish, Swami J., Babita, John T.	Mapan - Journal of Metrology Society of India	2018	2
923	Unstrained PbSe/CdSe core shell nanostructures for broad band absorber and narrow band IR emitters	Mishra N., Nishad K.K., Mehto V.R., Rathore D., Pandey R.K.	Journal of Materials Science: Materials in Electronics	2018	4
924	Biochemical isolation and characterization of Kojic acid derived from Aspergillus oryzae and Aspergillus flavus	Sudarshan L., Vikram K., Jignesh C., Nath P.A., Shailesh K.	Research Journal of Biotechnology	2018	3
925	Neutrophil extracellular traps: Formation and involvement in disease progression	Kumar S., Gupta E., Kaushik S., Jyoti A.	Iranian Journal of Allergy, Asthma and Immunology	2018	12



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926	Influence of active layer thickness on electrical properties of P3HT/n-Si based hybrid heterostructure	Gundimeda A., Mishra M., Ahmad R., Srivastava R., Dwivedi U.K., Gupta G.	Indian Journal of Pure and Applied Physics	2018	1
927	Advances in biosensors and optical assays for diagnosis and detection of malaria	Ragavan K.V., Kumar S., Swaraj S., Neethirajan S.	Biosensors and Bioelectronics	2018	52
928	Ultrasensitive sensor for detection of early stage chronic kidney disease in human	Desai D., Kumar A., Bose D., Datta M.	Biosensors and Bioelectronics	2018	31
929	Multi reaction apparent kinetic scheme for the pyrolysis of large size biomass particles using macro-TGA	Sharma R., Sheth P.N.	Energy	2018	14
930	Study on mechanical and microstructure behavior of submerged arc welding flux using red mud	Dewangan R., Pandey P.K., Upadhyay R.	AIP Conference Proceedings	2018	1
931	Design, simulation and fabrication of LTCC-based microhotplate for gas sensor applications	Kulhari L., Khanna P.K.	Microsystem Technologies	2018	8
932	Prediction of Software Reliability using Bio Inspired Soft Computing Techniques	Diwaker C., Tomar P., Poonia R.C., Singh V.	Journal of Medical Systems	2018	18
933	Analytical solution of the nonlinear diffusion equation	Shanker Dubey R., Goswami P.	European Physical Journal Plus	2018	13
934	Simulation of extreme rainfall event of November 2009 over Jeddah, Saudi Arabia: the explicit role of topography and surface heating	Almazroui M., Raju P.V.S., Yusef A., Hussein M.A.A., Omar M.	Theoretical and Applied Climatology	2018	11
935	Rapid biosynthesis and characterization of silver nanoparticles: an assessment of antibacterial and antimycotic activity	Kanawaria S.K., Sankhla A., Jatav P.K., Yadav R.S., Verma K.S., Velraj P., Kachhwaha S., Kothari S.L.	Applied Physics A: Materials Science and Processing	2018	6
936	Evaluation of oxidative stress and antioxidant status: Correlation with the severity of sepsis	Kumar S., Gupta E., Kaushik S., Kumar Srivastava V., Mehta S.K., Jyoti A.	Scandinavian Journal of Immunology	2018	43
937	Compact design of modified pentagon shaped monopole antenna for UWB applications	Rawat S., Keshwala U., Ray K.	International Journal of Electrical and Electronic Engineering and Telecommunications	2018	17
938	Adolescents in the times of modern technology: Are they mindful or are their minds full? results from a pilot study in an Indian school setting	Modi S., Joshi U., Narayanakurupa D.	Journal of Indian Association for Child and Adolescent Mental Health	2018	1
939	Effect of incorporation of oat flour on nutritional and organoleptic characteristics of bread and noodles	Chauhan D., Kumar K., Kumar S., Kumar H.	Current Research in Nutrition and Food Science	2018	9
940	Simulation of the intraseasonal variations of the Indian summer monsoon in a regional coupled ocean-atmosphere model	Misra V., Mishra A., Bhardwaj A.	Journal of Climate	2018	14
941	Introduction to the special section on Smart Computing and Algorithms	Poonia R.C., Gao X.-Z.	Computers and Electrical Engineering	2018	
942	Status of johne's disease in buffalo population of malwa region using goat based indigenous elisa kit	Audarya S.D., Singh M., Stephen B.J., Sahzad, Chaubey K.K., Gupta S., Pachoori A., Jayaraman S., Aseri G.K., Sohal J.S., Bhatia A.K., Singh S.V.	Buffalo Bulletin	2018	1



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3.4.8 Bibliometric of the publications during the last five years based on average Citation Index in Scopus/ Web of Science/PubMed

S. No.	Title of the Paper	Name of the author	Title of the Journal	Year of Publication	Citation Index
943	Near room temperature bismuth and lithium co-substituted BaTiO ₃ relaxor ferroelectrics family	Borkar H., Rao V., Tomar M., Gupta V., Kumar A.	Journal of Alloys and Compounds	2018	16
944	Nutritional and medicinal applications of Moringa oleifera Lam.—Review of current status and future possibilities	Gupta S., Jain R., Kachhwaha S., Kothari S.L.	Journal of Herbal Medicine	2018	74
945	Nanomaterials for agriculture, food and environment: applications, toxicity and regulation	Kaphle A., Navya P.N., Umaphathi A., Daima H.K.	Environmental Chemistry Letters	2018	69
946	Cluster analysis of aerosol properties retrieved from a sky-radiometer over a coastal site: Thiruvananthapuram, India	Sateesh M., Soni V.K., Raju P.V.S., Mor V.	Atmospheric Pollution Research	2018	9
947	Downscaling future climate change projections over Puerto Rico using a non-hydrostatic atmospheric model	Bhardwaj A., Misra V., Mishra A., Wootten A., Boyles R., Bowden J.H., Terando A.J.	Climatic Change	2018	21
948	Giant enhancement in ferroelectric polarization under illumination	Borkar H., Rao V., Tomar M., Gupta V., Scott J.F., Kumar A.	Materials Today Communications	2018	10
949	The GlucoCoper - A tool for the assessment of coping mechanisms	Kalra S., Balhara Y.P.S., Verma K., Kalra B.	European Endocrinology	2018	2
950	Time-fractional diffusion model on dynamical effect of dendritic cells on HIV pathogenesis	Samuel S., Gill V.	Journal of Computational Methods in Sciences and Engineering	2018	2
951	Design and analysis of reconfigurable antenna using PIN diodes for multi band WLAN applications	Dhakad S.K., Dwivedi U., Bhandari T.	Proceedings of the 2017 International Conference on Wireless Communications, Signal Processing and Networking, WiSPNET 2017	2018	1
952	Remote based patient monitoring system using wearable sensors through online and offline mode for android based mobile platforms	Andrews L.J.B., Raja L.	2017 International Conference on Infocom Technologies and Unmanned Systems: Trends and Future Directions, ICTUS 2017	2018	5
953	Improved intelligent transport system for reliable traffic control management by adapting internet of things	Eswaraprasad R., Raja L.	2017 International Conference on Infocom Technologies and Unmanned Systems: Trends and Future Directions, ICTUS 2017	2018	13
954	Agent based solution for dining philosophers problem	Bhargava D., Vyas S.	2017 International Conference on Infocom Technologies and Unmanned Systems: Trends and Future Directions, ICTUS 2017	2018	5
955	Routing optimization by minimizing one-way delay in delay tolerant enabled vehicular ad-hoc networks using ferry selection approach	Singh V., Dadhich R.	2017 International Conference on Infocom Technologies and Unmanned Systems: Trends and Future Directions, ICTUS 2017	2018	
956	Comparison and selection of SaaS service providers using ASMAN framework	Dadhich M., Rathore V.S., Vyas S.	2017 International Conference on Infocom Technologies and Unmanned Systems: Trends and Future Directions, ICTUS 2017	2018	
957	Map matching approach for current location tracking on the road network	Sharma K.P., Poonia R.C., Sunda S.	2017 International Conference on Infocom Technologies and Unmanned Systems: Trends and Future Directions, ICTUS 2017	2018	6



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3.4.8 Bibliometric of the publications during the last five years based on average Citation Index in Scopus/ Web of Science/PubMed

S. No.	Title of the Paper	Name of the author	Title of the Journal	Year of Publication	Citation Index
958	Improved differential evolution algorithm	Jain S., Kumar S., Sharma V.K., Sharma H.	2017 International Conference on Infocom Technologies and Unmanned Systems: Trends and Future Directions, ICTUS 2017	2018	6
959	Routing protocols and security issues in MANET	Kumar S., Goyal M., Goyal D., Poonia R.C.	2017 International Conference on Infocom Technologies and Unmanned Systems: Trends and Future Directions, ICTUS 2017	2018	17
960	SIZ1-mediated SUMOylation during phosphate homeostasis in plants: Looking beyond the tip of the iceberg	Datta M., Kaushik S., Jyoti A., Mathur N., Kothari S.L., Jain A.	Seminars in Cell and Developmental Biology	2018	9
961	Identification of noise in multi noise plant using enhanced version of shuffled frog leaping algorithm	Sharma T.K., Pant M.	International Journal of System Assurance Engineering and Management	2018	9
962	An Efficient Approach for the Synthesis of 1,1-bis(2-phenyl-3-indolyl)ethylene Using ZnO Nanocatalyst	Madan Y., Gupta R.	Journal of Heterocyclic Chemistry	2018	1
963	Application of small scale renewable energy techniques in traditional buildings of Jaipur	Upadhyaya V., Sudhakaran P., Shukla A.K., Kumar S., Joshi B.	International Journal of Civil Engineering and Technology	2018	4
964	Isolation and characterization of mastitis pathogens and milk composition changes in Murrah buffaloes (Bubalus bubalis) during winter season	Thakur S., Singh M., Aseri G.K., Verma A., Khan S.S.	Indian Journal of Animal Research	2018	2
965	Stacked arrangement of meandered patches for biomedical applications	Jain L., Singh R., Rawat S., Ray K.	International Journal of System Assurance Engineering and Management	2018	9
966	Opposition learning based phases in artificial bee colony	Sharma T.K., Gupta P.	International Journal of System Assurance Engineering and Management	2018	14
967	Role of decision tree in supplementing tacit knowledge for Hypothetico-Deduction in higher education	Gupta P., Mehrotra D., Sharma T.K.	International Journal of System Assurance Engineering and Management	2018	3
968	Enhanced asynchronous differential evolution using trigonometric mutation	Vaishali, Sharma T.K., Abraham A., Rajpurohit J.	Advances in Intelligent Systems and Computing	2018	3
969	Relevance index for inferred knowledge in higher education domain using data mining	Gupta P., Mehrotra D., Sharma T.K.	Advances in Intelligent Systems and Computing	2018	1
970	Impact of Dense Network in MANET Routing Protocols AODV and DSDV Comparative Analysis Through NS3	Paliwal G., Taterh S.	Advances in Intelligent Systems and Computing	2018	5
971	Trigonometric probability tuning in asynchronous differential evolution	Vaishali, Sharma T.K., Abraham A., Rajpurohit J.	Advances in Intelligent Systems and Computing	2018	3
972	Centric-Oriented Novel Image Watermarking Technique Based on DWT and SVD	Ojha S., Sharma A., Chaturvedi R.	Advances in Intelligent Systems and Computing	2018	6
973	Telugu speech recognition using combined MFCC, MODGDF feature extraction techniques and MLP, TLRN classifiers	Kumar A.P., Roy R., Rawat S., Yadav A.K., Chaurasia A., Gupta R.K.	Advances in Intelligent Systems and Computing	2018	2
974	Compact half-hexagonal monopole planar antenna for UWB applications	Keshwala U., Rawat S., Ray K.	Advances in Intelligent Systems and Computing	2018	
975	Application of shuffled frog-leaping algorithm in regional air pollution control	Prakash D., Tripathi A., Sharma T.K.	Advances in Intelligent Systems and Computing	2018	4



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3.4.8 Bibliometric of the publications during the last five years based on average Citation Index in Scopus/ Web of Science/PubMed

S. No.	Title of the Paper	Name of the author	Title of the Journal	Year of Publication	Citation Index
976	Study and Comparative Analysis of Various Image Spamming Techniques	Kumar J., Taterh S., Kamnathania D.	Advances in Intelligent Systems and Computing	2018	2
977	Biological infrared antenna and radar	Singh P., Doti R., Lugo J.E., Faubert J., Rawat S., Ghosh S., Ray K., Bandyopadhyay A.	Advances in Intelligent Systems and Computing	2018	3
978	Fractal information theory (FIT)-derived geometric musical language (GML) for brain-inspired hypercomputing	Agrawal L., Chhajed R., Ghosh S., Ghosh B., Ray K., Sahu S., Fujita D., Bandyopadhyay A.	Advances in Intelligent Systems and Computing	2018	3
979	Speech recognition with combined MFCC, MODGDF and ZCPA features extraction techniques using NTN and MNTN conventional classifiers for Telugu language	Kumar A.P., Roy R., Rawat S., Chaturvedi R., Sharma A., Kumar C.S.	Advances in Intelligent Systems and Computing	2018	2
980	An Improved Spider Monkey Optimization Algorithm	Swami V., Kumar S., Jain S.	Advances in Intelligent Systems and Computing	2018	12
981	Performance Evaluation and Statistical Analysis of AUR-Chord Algorithm with Default Working of Structured P2P Overlay Network	Saroliya A., Mishra U., Rana A.	Advances in Intelligent Systems and Computing	2018	3
982	Opposition-Based Learning Embedded Shuffled Frog-Leaping Algorithm	Sharma T.K., Pant M.	Advances in Intelligent Systems and Computing	2018	10
983	Patient-Specific Modeling for Pattern Identification in Clinical Events Using Data Mining Models and Evolutionary Computing	Yadav S., Saroliya A.	Advances in Intelligent Systems and Computing	2018	1
984	Design and analysis of fabricated rectangular microstrip antenna with defected ground structure for UWB applications	Toshniwal S., Mukherjee T., Bijawat P., Rawat S., Ray K.	Advances in Intelligent Systems and Computing	2018	1
985	DNA as an electromagnetic fractal cavity resonator: Its universal sensing and fractal antenna behavior	Singh P., Doti R., Lugo J.E., Faubert J., Rawat S., Ghosh S., Ray K., Bandyopadhyay A.	Advances in Intelligent Systems and Computing	2018	10
986	Review Study of Navigation Systems for Indian Regional Navigation Satellite System (IRNSS)	Sharma K.P., Poonia R.C.	Advances in Intelligent Systems and Computing	2018	8
987	DTN-Enabled Routing Protocols and Their Potential Influence on Vehicular Ad Hoc Networks	Singh V., Saini G.L.	Advances in Intelligent Systems and Computing	2018	6
988	A Comparative Analysis of Various Vulnerabilities Occur in Google Chrome	Manhas S., Taterh S.	Advances in Intelligent Systems and Computing	2018	
989	Modified least significant bit algorithm of digital watermarking for information security	Somwanshi D., Chhipa I., Singhal T., Yadav A.	Advances in Intelligent Systems and Computing	2018	1
990	Novel miniaturized microstrip patch antenna for body centric wireless communication in ISM band	Singh R., Kumari P., Singh P., Rawat S., Ray K.	Advances in Intelligent Systems and Computing	2018	1
991	Optimization of compressive strength of polymer composite brick using Taguchi method	Rajput N.S., Shukla D.D., Ishan L., Sharma T.K.	Advances in Intelligent Systems and Computing	2018	
992	Secure Framework for Data Security in Cloud Computing	Mishra N., Sharma T.K., Sharma V., Vimal V.	Advances in Intelligent Systems and Computing	2018	10
993	Frequency fractal behavior in the retina nano-center-fed dipole antenna network of a human eye	Singh P., Doti R., Lugo J.E., Faubert J., Rawat S., Ghosh S., Ray K., Bandyopadhyay A.	Advances in Intelligent Systems and Computing	2018	4
994	Preface	Pant M., Ray K., Sharma T.K., Rawat S., Bandyopadhyay A.	Advances in Intelligent Systems and Computing	2018	



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3.4.8 Bibliometric of the publications during the last five years based on average Citation Index in Scopus/ Web of Science/PubMed

S. No.	Title of the Paper	Name of the author	Title of the Journal	Year of Publication	Citation Index
995	Preface	Pant M., Ray K., Sharma T.K., Rawat S., Bandyopadhyay A.	Advances in Intelligent Systems and Computing	2018	
996	The sixth vital sign in diabetes	Kalra S., Verma K., Singh Balhara Y.P.	Journal of the Pakistan Medical Association	2018	
997	Micronutrient formulations for prevention of complications of pregnancy	Singh R., Mishra S., Kumar S., Tiwari A.M., De Meester F., Goyal R.K., Kartikey K., Singh M.	Frontiers in Bioscience - Scholar	2018	
998	Influence of different culture media on embryo development following in vitro fertilization of caprine oocytes	Yadav P., Kharche S.D., Goel A.K., Jindal S.K.	Indian Journal of Animal Sciences	2018	
999	Identification of suitable websites for digital marketing - An approach using bio-inspired computing	Kumar, B.S., Bhargava, D., Kar, A.K., Igiri, C.P.	International Journal of Engineering and Technology(UAE)	2018	
1000	Properties, variations, roles, and potential applications of epicuticular wax: A review	Sharma P., Kothari S.L., Rathore M.S., Gour V.S.	Turkish Journal of Botany	2018	29
1001	A brain-like computer made of time crystal: Could a metric of prime alone replace a user and alleviate programming forever?	Reddy S., Sonker D., Singh P., Saxena K., Singh S., Chhajed R., Tiwari S., Karthik K.V., Ghosh S., Ray K., Bandyopadhyay A.	Studies in Computational Intelligence	2018	6
1002	Fractal and periodical biological antennas: Hidden topologies in DNA, wasps and retina in the eye	Singh P., Ocampo M., Lugo J.E., Doti R., Faubert J., Rawat S., Ghosh S., Ray K., Bandyopadhyay A.	Studies in Computational Intelligence	2018	11
1003	Estimating software reliability growth model parameters using opposition-based shuffled frog-leaping algorithm	Sharma T.K.	Studies in Computational Intelligence	2018	2
1004	Real Time Location Tracking Map Matching Approaches for Road Navigation Applications	Sharma K.P., Poonia R.C., Sunda S.	Advances in Parallel Computing	2018	2
1005	The GlucoCoper - A tool for the assessment of coping mechanisms	Kalra S., Balhara Y.P.S., Verma K., Kalra B.	US Endocrinology	2018	
1006	A critical review of cyber security and cyber terrorism – threats to critical infrastructure in the energy sector	Kumar V.S., Prasad J., Samikannu R.	International Journal of Critical Infrastructures	2018	9
1007	Next-generation sequencing technologies as emergent tools and their challenges in viral diagnostic	Singh D.D.	Biomedical Research (India)	2018	1
1008	Alpha-1 antitrypsin (AAT) and C-reactive protein (CRP) in interstitial lungs diseases	Singh D.D.	Biomedical Research (India)	2018	
1009	Assessment of antimicrobial activity of hundreds extract of twenty Indian medicinal plants	Singh D.D.	Biomedical Research (India)	2018	7
1010	Synthesis, characterization and biological activities of mercury(II) ternary complexes of 2-substituted benzothiazoles derivatives	Chauhan M.S., Yadav M.K., Sharma A., Binani S., Lamba N.P.A.L.	Asian Journal of Chemistry	2018	
1011	Design of planar monopole UWB antenna with modified slotted-patch	Dhakad S.K., Dwivedi U., Rawat S., Rege L., Shah A.	Journal of Advanced Research in Dynamical and Control Systems	2018	
1012	Design process of a compact UWB slotted planar monopole antenna by introduction of slots	Dhakad S.K., Dwivedi U., Rawat S., Gupta A., Tank K.	Journal of Advanced Research in Dynamical and Control Systems	2018	



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3.4.8 Bibliometric of the publications during the last five years based on average Citation Index in Scopus/ Web of Science/PubMed

S. No.	Title of the Paper	Name of the author	Title of the Journal	Year of Publication	Citation Index
1013	Preservation of microbial spoilage of food by biosurfactant-based coating	Sharma V., Garg M., Talukdar D., Thakur P., Henkel M., Sharma D., Kumar G.	Asian Journal of Pharmaceutical and Clinical Research	2018	6
1014	Natural transform method to solve nonhomogeneous fractional ordinary differential equations	Samuel S., Gill V.	Progress in Fractional Differentiation and Applications	2018	1
1015	A cross-diffusion model of effects of norepinephrine on immune response to human immunodeficiency virus	Samuel S., Gill V.	International Journal of Computing Science and Mathematics	2018	
1016	A perspective on zinc oxide based diluted magnetic semiconductors	Mukherji R., Mathur V., Mukherji M.	Journal of Nano- and Electronic Physics	2018	5
1017	Reliability of a gas turbine system with change in weather and optimisation of electricity price when working in single cycle	Rajesh, Taneja G., Prasad J.	International Journal of Agricultural and Statistical Sciences	2018	5
1018	Statistical comparison between selected public and private sector banks with regards to increase in nonperforming asset	Sharma S., Rathore D.S., Prasad J.	International Journal of Agricultural and Statistical Sciences	2018	
1019	The Islamic World in El amante liberal by Cervantes [El mundo islámico en El amante liberal de Cervantes]	Mishra S.	Hipogrifo	2018	
1020	Biochemical screening of different Arachis hypogea L. (Angiosperms: Fabaceae) cultivars against Fusarium wilt	Gupta S., Sharma V., Alam A.	Plant Cell Biotechnology and Molecular Biology	2018	
1021	Statistical analysis of impact of foreign exchange rates on BSE-Sensex	Gupta D.K., Bhardwaj A.K., Prasad J.	International Journal of Agricultural and Statistical Sciences	2018	1
1022	Fast and efficient recovery of root node failure in spanning tree routing protocol	Nunia V., Poonia R.C.	Recent Patents on Computer Science	2018	1
1023	An era of micro irrigation - A priority driven approach to enhance the optimum utilization of water and a way towards "Intelligent farming"	Durugkar S.R., Poonia R.C.	Recent Patents on Computer Science	2018	3
1024	A two way synchronized quantum channel quantum key distribution protocol	Kalra M., Poonia R.C.	Recent Patents on Computer Science	2018	1
1025	A GA-QMR: Genetic algorithm oriented MANET QoS multicast routing	Singh S., Koslia M., Poonia R.C.	Recent Patents on Computer Science	2018	5
1026	Special issue on smart technologies in engineering-PART 1	Poonia R.C., Singh V., Raja L.	Recent Patents on Computer Science	2018	
1027	An assessment of growth and potential of self help group - Bank linkage programme in India	Gupta T., Singh U.B.	International Journal of Agricultural and Statistical Sciences	2018	1
1028	Construction of partially balanced residual treatment effects designs for comparing test treatment with a control	Raj S., Ghosh D.K., Prasad J.	International Journal of Agricultural and Statistical Sciences	2018	
1029	Modern computational strategies for designing drugs to curb human diseases: A prospect	Dar K.B., Bhat A.H., Amin S., Hamid R., Anees S., Anjum S., Reshi B.A., Zargar M.A., Masood A., Ganie S.A.	Current Topics in Medicinal Chemistry	2018	15
1030	Bio-valorization of dairy whey for bioethanol by stress-tolerant yeast	Sharma D., Manzoor M., Yadav P., Sohal J.S., Aseri G.K., Khare N.	Fungi and their Role in Sustainable Development: Current Perspective	2018	3
1031	Optimization of culture conditions for extracellular fungal lipase production by submerged fermentation process	Shreya, Sharma A.K., Sharma V., Saxena J.	Plant Science Today	2018	1



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3.4.8 Bibliometric of the publications during the last five years based on average Citation Index in Scopus/ Web of Science/PubMed

S. No.	Title of the Paper	Name of the author	Title of the Journal	Year of Publication	Citation Index
1032	Differential response of brassica juncea cultivars to al; consequences for chlorophyll a fluorescence, antioxidants and psb a gene	Kumari N., Yadav M., Sharma V.	Journal of Plant Interactions	2018	5
1033	Aluminium fluoride induced changes in chlorophyll a fluorescence, antioxidants and psb a gene expression of brassica juncea cultivars	Sharma V., Yadav M., Kumari N.	Journal of Plant Interactions	2018	6
1034	Development of a functional fermented peanut-based cheese analog using probiotic bacteria	Sharma P., Sharma D., Amin A.	Biotechnologia	2018	5
1035	Anatomy of fake news: On (mis)information and belief in the age of social media	Kalorth N., Verma M.	Journal of Content, Community and Communication	2018	3
1036	Identification of suitable websites for digital marketing - An approach using bio-inspired computing	Kumar B.S., Bharghava D., Kar A.K., Igiri C.P.	International Journal of Engineering and Technology(UAE)	2018	4
1037	Penetration of fluorescent silica nanoparticles into the cornea	Srinivas S.P., Chaiyasan W., Niamprem P., Wang Y., Kompella U.B., Majumdar D., Damale S., Babu D.R.R., Tiyaboonchai W.	Materials Today: Proceedings	2018	2
1038	Characterizing and functional assignment of noncoding RNAs	Tiwari P., Gupta S., Kumar A., Sharma M., Sundararajan V.S., Kothari S.L., Mathur S.K., Medicherla K.M., Suravajhala P., Malik B.	Encyclopedia of Bioinformatics and Computational Biology: ABC of Bioinformatics	2018	
1039	A slotted microstrip antenna with fractal design for surveillance based radar applications in X- band	Dhakad S.K., Dwivedi U., Rawat S., Agarwal Y., Joshi A.	International Journal of Engineering and Technology(UAE)	2018	
1040	Simulation-based efficient analysis of radio propagation model using on-demand routing protocols in the Indian automotive networks	Poonia R.C., Dadhich R., Gao X.-Z.	International Journal of Autonomous and Adaptive Communications Systems	2018	3
1041	Numerical simulation of tropical cyclone thane: role of boundary layer and surface drag parameterization schemes	Sateesh M., Srinivas C.V., Raju P.V.S.	Natural Hazards	2017	5
1042	Effect of elicitors on the production of pyrroloquinazoline alkaloids by stimulating anthranilate synthase activity in Adhatoda vasica Nees cell cultures	Singh B., Sahu P.M., Sharma R.A.	Planta	2017	15
1043	Efficiency assessment of campus sewage treatment plant	Mukherji M.D., Lakhani P.K.	Indian Journal of Environmental Protection	2017	
1044	Migration and development: Rural-to-urban temporary migration to Gujarat	Hirway I., Singh U.B.	Rural Labour Mobility in Times of Structural Transformation: Dynamics and Perspectives from Asian Economies	2017	3
1045	The sixth vital sign in diabetes	Kalra S., Verma K., Balhara Y.P.S.	Journal of the Pakistan Medical Association	2017	6
1046	Structural and thermodynamic characterization of metal binding in Vps29 from Entamoeba histolytica: implication in retromer function	Srivastava V.K., Yadav R., Watanabe N., Tomar P., Mukherjee M., Gourinath S., Nakada-Tsukui K., Nozaki T., Datta S.	Molecular Microbiology	2017	5



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S. No.	Title of the Paper	Name of the author	Title of the Journal	Year of Publication	Citation Index
1047	Bhagavad gita for the physician	Kalra S., Joshi A., Kalra B., Shanbhag V.G., Bhattacharya R., Verma K., Baruah M.P., Sahay R., Bajaj S., Agrawal N., Chakraborty A., Balhara Y.P.S., Chaudhary S., Khandelwal D., Aggarwal S., Ram N., Jacob J., Julka S., Priya G., Bhattacharya S., Dalal K.	Indian Journal of Endocrinology and Metabolism	2017	4
1048	In vitro and in vivo evaluation of flavonoids from Heliotropium ellipticum exudate for antioxidant, antineoplastic and cytotoxic activities II	Singh B., Sahu P.M., Sharma R.A.	Indian Journal of Pharmaceutical Sciences	2017	6
1049	Diagnostic approaches to avian tuberculosis	Srivastava V., Dahiya A., Singh S.V., Kulshreshtha S.	World's Poultry Science Journal	2017	1
1050	Shuffled artificial bee colony algorithm	Sharma T.K., Pant M.	Soft Computing	2017	41
1051	RAPD and ISSR marker assessment of genetic diversity in Citrullus colocynthis (L.) Schrad: a unique source of germplasm highly adapted to drought and high-temperature stress	Verma K.S., ul Haq S., Kachhwaha S., Kothari S.L.	3 Biotech	2017	33
1052	Nickel accumulation and its effect on growth, physiological and biochemical parameters in millets and oats	Gupta V., Jatav P.K., Verma R., Kothari S.L., Kachhwaha S.	Environmental Science and Pollution Research	2017	35
1053	Management of diabetes distress	Kalra S., Verma K., Balhara Y.P.S.	Journal of the Pakistan Medical Association	2017	23
1054	Molecular modeling and structure-based drug discovery approach reveals protein kinases as off-targets for novel anticancer drug RH1	Gupta P.P., Bastikar V.A., Kuciauskas D., Kothari S.L., Cicenias J., Valius M.	Medical Oncology	2017	6
1055	Case study on WSN based smart home garden with priority driven approach	Durugkar S.R., Poonia R.C., Naik R.B.	Journal of Cases on Information Technology	2017	
1056	Performance evaluation of diesel engine using biodiesel fuel derived from waste cooking refined soyabean oil	Sharma S.K., Shukla D.D., Khatri K.K., Rajput N.S.	International Journal of Mechanical and Production Engineering Research and Development	2017	5
1057	Antibacterial synergy of silver nanoparticles with gentamicin and chloramphenicol against Enterococcus faecalis	Katva S., Das S., Moti H.S., Jyoti A., Kaushik S.	Pharmacognosy Magazine	2017	55
1058	Validation of advanced dvorak technique (ADT) over North Indian ocean	Goyal S., Mohapatra M., Kumari P., Dube S.K., Rajendra K.	Mausam	2017	2
1059	Measurement Automation to Implement Evaluation Procedure of Four-Terminal-Pair Capacitance Standards Using S-Parameters	Satish, Babita, Khurana B., John T.	Mapan - Journal of Metrology Society of India	2017	5
1060	Bio-inspired built environments for climate change: Developing strategies for adaptation and mitigation	Sudhakaran P., Singh J., Kumar S., Joshi B.	International Journal of Civil Engineering and Technology	2017	2
1061	Medical images texture analysis: A review	Shahabaz, Somwanshi D.K., Yadav A.K., Roy R.	2017 International Conference on Computer, Communications and Electronics, COMPTTELIX 2017	2017	12
1062	Satellite-based technique for nowcasting of thunderstorms over Indian region	Goyal S., Kumar A., Mohapatra M., Rathore L.S., Dube S.K., Saxena R., Giri R.K.	Journal of Earth System Science	2017	5
1063	Broadband stair shaped micro strip patch antenna for C-band applications	Shukla A.W.M., Chanu T.R., Rawat S., Ray K., Singh P.	India International Conference on Information Processing, IICIP 2016 - Proceedings	2017	3



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S. No.	Title of the Paper	Name of the author	Title of the Journal	Year of Publication	Citation Index
1064	Barley: Impact of processing on physicochemical and thermal properties—A review	Sharma P., Kotari S.L.	Food Reviews International	2017	22
1065	Opposition based learning ingrained shuffled frog-leaping algorithm	Sharma T.K., Pant M.	Journal of Computational Science	2017	29
1066	Thyro-stress	Kalra S., Verma K., Balhara Y.P.S.	Indian Journal of Endocrinology and Metabolism	2017	2
1067	Comparison of heat transfer performance of Shell & Tube Heat Exchanger and double pipe heat exchanger for CNT/water nanofluid	Rajput N.S., Singh R., Ishan L., Jain A., Sharma S.K.	International Journal of Mechanical Engineering and Robotics Research	2017	1
1068	Nature inspired dual band sneezewort plant growth pattern shaped antenna	Keshwala U., Rawat S., Ray K.	Asia-Pacific Microwave Conference Proceedings, APMC	2017	4
1069	Design of Low Cost Broadband Ultrasonic Pulser–Receiver	Sharma K., Singh S., Dubey P.K.	Mapan - Journal of Metrology Society of India	2017	4
1070	Gene Specific DNA Sensors for Diagnosis of Pathogenic Infections	Datta M., Desai D., Kumar A.	Indian Journal of Microbiology	2017	10
1071	Structural comparison, docking and substrate interaction study of modeled endo-1, 4-beta xylanase enzyme of Bacillus brevis	Mathur N., Goswami G.K., Pathak A.N.	Journal of Molecular Graphics and Modelling	2017	3
1072	Construction of pairwise balanced design	Sharma J., Prasad J., Ghosh D.K.	International Journal of Agricultural and Statistical Sciences	2017	
1073	An alternative diagnostic design for chronic kidney disease detection based on cystatin C	Stephen B.J., Desai D., Datta M.	Asian Journal of Pharmaceutical and Clinical Research	2017	4
1074	Intelligent agents and autonomous robots	Bhargava D.	Detecting and Mitigating Robotic Cyber Security Risks	2017	1
1075	Effect of cadmium on physiological parameters of cereal and millet plants—A comparative study	Asopa P.P., Bhatt R., Sihag S., Kothari S.L., Kachhwaha S.	International Journal of Phytoremediation	2017	12
1076	Distribution in the placement of food in artificial bee colony based on changing factor	Sharma T.K., Pant M.	International Journal of System Assurance Engineering and Management	2017	8
1077	Effect of carbon nanotubes implantation on electrical properties of sisal fibre–epoxy composites	Dwivedi U.K., Trihotri M., Gupta S.C., Khan F.H., Malik M.M., Qureshi M.S.	Composite Interfaces	2017	11
1078	Flavonoids from Heliotropium subulatum exudate and their evaluation for antioxidant, antineoplastic and cytotoxic activities II	Singh B., Sahu P.M., Sharma R.A.	Cytotechnology	2017	9
1079	Dual solutions of forced convection flow along a stretching sheet with variable thickness in presence of free stream and magnetic field	Mishra U., Singh G.	Sains Malaysiana	2017	4
1080	Predictive packet reception protocol (PPRP) for wireless sensor networks	Tripathi A., Dadhich R., Yadav N., Singh R.P.	Proceeding - IEEE International Conference on Computing, Communication and Automation, ICCCA 2016	2017	
1081	Acid and enzymatic hydrolysis mediated bioethanol production from biomass of a noxious weed-Parthenium hysterophorus L	Gupta G., Gour V.S., Sharma P., Kothari S.L.	Environmental Progress and Sustainable Energy	2017	4
1082	Nature inspired sunflower shaped microstrip antenna for wideband performance	Singh P., Ray K., Rawat S.	International Journal of Computer Information Systems and Industrial Management Applications	2017	1



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3.4.8 Bibliometric of the publications during the last five years based on average Citation Index in Scopus/ Web of Science/PubMed

S. No.	Title of the Paper	Name of the author	Title of the Journal	Year of Publication	Citation Index
1083	Therapeutic management of incurable paratuberculosis using 'indigenous vaccine' in goats, endemically infected with john's disease	Singh S.V., Gupta S., Chaubey K.K., Bhushan S., Rawat K.D., Kumar N., Tiwari H.A., Chaturvedi V., Sohal J.S., Dhama K., Hemati Z.	International Journal of Pharmacology	2017	3
1084	Biogenic synthesis of silver nanoparticles and its potential application in prevention of acute ear infections	Dixit A., Das S., Jyoti A., Kaushik S.	Journal of Pharmaceutical Sciences and Research	2017	5
1085	Experimental evidence of electronic polarization in a family of photo-ferroelectrics	Borkar H., Rao V., Tomar M., Gupta V., Scott J.F., Kumar A.	RSC Advances	2017	33
1086	Influence of chemical dose splitting on reduction of carcinogenic compounds during paper mills	Prakash D., Singh S., Kumar S.	Oriental Journal of Chemistry	2017	1
1087	Preparation and Characterization of Barium Titanate Composite Film	Singh S., Dey S.S., Singh S., Kumar N.	Materials Today: Proceedings	2017	11
1088	Optimal tuning of PID controller for coupled tank liquid level control system using particle swarm optimization	Singh S.K., Katal N.	Advances in Intelligent Systems and Computing	2017	1
1089	Experimental Study and Mathematical Modeling for Extrusion using High Density Polyethylene	Chaturvedi E., Rajput N.S., Upadhyaya S., Pandey P.K.	Materials Today: Proceedings	2017	3
1090	FE Analysis of Impact on Kevlar/Epoxy Laminates with Different Orientations and Thicknesses	Sikarwar R.S., Rajput N.S., Velmurugan R., Naik S.	Materials Today: Proceedings	2017	9
1091	Assessment of the H2 followed by air sintering of co-doped In2O3 based diluted magnetic semiconductors	Mukherji R., Mathur V., Samariya A., Mukherji M.	Journal of Nano- and Electronic Physics	2017	2
1092	Cancer immunotherapy	Anusha A., Kumar S., Kaushik S., Jyoti A.	Journal of Pharmaceutical Sciences and Research	2017	4
1093	Comparative analysis of performance of c.i. engine fuelled with different blends of biodiesel derived from waste cooking oils of two different sources	Sharma S.K., Shukla D.D., Khatri K.K., Rajput N.S.	International Journal of Mechanical Engineering and Technology	2017	2
1094	New mathematical model for software quality prediction of component-based software using shuffled frog-leaping algorithm	Panwar D., Tomar P.	International Journal of Computer Applications in Technology	2017	4
1095	Extension of integral equations of fredholm type involving special functions	Chaurasia V.B.L., Gill V.	Thai Journal of Mathematics	2017	1
1096	Overview, issues and prevention of energy theft in smart grids and virtual power plants in Indian context	Kumar V. S., Prasad J., Samikannu R.	Energy Policy	2017	12
1097	Thermal analysis of mwcnt/distilled water nanofluid on the efficiency of flat plate solar collector	Rajput N.S., Shukla D.D.B., Sharma S.K., Rajput D.	International Journal of Mechanical Engineering and Technology	2017	4
1098	Influence of amino acid corona, metallic core and surface functionalisation of nanoparticles on their in-vitro biological behaviour	Monnappa K.J.S., Firdose N., Shree G.M., Nath K., Navya P.N., Daima H.K.	International Journal of Nanotechnology	2017	11
1099	Application of strengths, weakness, opportunities, and threats analysis in smart grid - Virtual power plant for sustainable development in India and Botswana	Venkatachary S.K., Prasad J., Samikannu R.	International Journal of Energy Economics and Policy	2017	3



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3.4.8 Bibliometric of the publications during the last five years based on average Citation Index in Scopus/ Web of Science/PubMed

S. No.	Title of the Paper	Name of the author	Title of the Journal	Year of Publication	Citation Index
1100	Challenges, opportunities and profitability in virtual power plant business models in Sub Saharan Africa - Botswana	Venkatachary S.K., Prasad J., Samikannu R.	International Journal of Energy Economics and Policy	2017	5
1101	Adsorption of Cu(II) and Cr(VI) by zeolite in batch and column mode	Upadhyay R., Pandey P.K., Pardeep	Materials Today: Proceedings	2017	6
1102	Economic impacts of cyber security in energy sector: A review	Venkatachary S.K., Prasad J., Samikannu R.	International Journal of Energy Economics and Policy	2017	13
1103	Cost optimization of micro grids using homer: A case study in Botswana	Venkatachary S.K., Prasad J., Samikannu R.	International Journal of Energy Economics and Policy	2017	7
1104	Mycobacterium avium subspecies paratuberculosis – An important food borne pathogen of high public health significance with special reference to india: An update	Chaubey K.K., Singh S.V., Gupta S., Singh M., Sohal J.S., Kumar N., Singh M.K., Bhatia A.K., Dhama K.	Veterinary Quarterly	2017	26
1105	Effect of pre-milling treatments on wheat flour quality	Kaushik R., Chawla P., Kumar N., Kumar M.	Annals of the University Dunarea de Jos of Galati, Fascicle VI: Food Technology	2017	6
1106	Design and performance analysis of low profile miniaturized MSPAs for body centric wireless communication in ISM band	Singh R., Kumari P., Rawat S., Singh P., Ray K.	International Journal of Computer Information Systems and Industrial Management Applications	2017	5
1107	Glossary of metaheuristic algorithms	Rajpurohit J., Sharma T.K., Abraham A., Vaishali	International Journal of Computer Information Systems and Industrial Management Applications	2017	80
1108	Performance optimization of the Paper Mill using opposition based Shuffled frog-leaping algorithm	Sharma T.K.	International Journal of Computer Information Systems and Industrial Management Applications	2017	2
1109	Chromium biosorption studies on a bacterial isolate	Chug R.	Asian Journal of Microbiology, Biotechnology and Environmental Sciences	2017	
1110	The construction of a green school: An interactional multidisciplinary perspective	Sudhakaran P., Singh J., Shukla A.K., Joshi B., Yadur M.	International Journal of Applied Engineering Research	2017	
1111	Effect of physicochemical and biological parameters on the quality of river water of Narmada, Madhya Pradesh, India	Gupta N., Pandey P., Hussain J.	Water Science	2017	100
1112	Testing of paper as packaging material for food industry	Mir S.A., Wani H.M., Wani I.A., Singh P., Wani A.A.	Food Packaging Materials: Testing & Quality Assurance	2017	2
1113	Testing glass as a food packaging material	Gul K., Wani H.M., Singh P., Wani I.A., Wani A.A.	Food Packaging Materials: Testing & Quality Assurance	2017	
1114	Software quality assurance using firefly optimization algorithm	Tomar P., Panwar D., Siddique M.H.	Communication and Computing Systems - Proceedings of the International Conference on Communication and Computing Systems, ICCCS 2016	2017	1
1115	Routing protocol using artificial bee colony for wireless sensor networks	Singh R.P., Tripathi A., Dadhich R., Yadav N.	Communication and Computing Systems - Proceedings of the International Conference on Communication and Computing Systems, ICCCS 2016	2017	