



AMITY UNIVERSITY RAJASTHAN

3.4.9 Bibliometrics of the publications during the last five years based on Scopus/ Web of Science – h-Index of the University

| S. No. | Title of the Paper | Name of the author | Title of the Journal | Year of Publication | Citation Index |
|--------|---|--|---|---------------------|----------------|
| 1 | 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., Aklilu 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.P., Breitwieser D., Brer A., Brenner H., Bustamante | JAMA Oncology | 2022 | 51 |
| 2 | Engineered nanomaterials for biomedical applications and their toxicity: a review | Umamathi A., Kumawat M., Daima H.K. | Environmental Chemistry Letters | 2022 | 10 |
| 3 | Bare Skin Image Classification using Convolution Neural Network | Gupta J., Pathak S., Kumar G. | International Journal of Emerging Technology and Advanced Engineering | 2022 | 6 |

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| 4 | 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 |
| 5 | 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 |
| 6 | 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 |
| 7 | 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 |
| 8 | Recent Advances in Drumstick (Moringa oleifera) 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 |
| 9 | 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 |
| 10 | 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 |
| 11 | Harmonics mitigated multi-objective energy optimization in PV integrated rural distribution network using modified TLBO algorithm | Bhatt P.K. | Renewable Energy Focus | 2022 | 3 |
| 12 | 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 |
| 13 | 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 |
| 14 | 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 |
| 15 | An Empirical Study of Soft Computing Approaches in Wireless Sensor Networks | Ansari S., Nagwanshi K.K. | Journal of Cases on Information Technology | 2022 | 2 |
| 16 | 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 |
| 17 | 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 |
| 18 | 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 |
| 19 | Cytotoxicity of Nanoparticles Used in Cosmetic Industries: An In-depth Insight | Dash S., Singh S., Singh S.K. | Evergreen | 2022 | 1 |

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| 20 | 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 |
| 21 | 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 |
| 22 | 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 |
| 23 | 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 |
| 24 | Exosomes, extracellular vesicles and the eye | Rudraprasad D., Rawat A., Joseph J. | Experimental Eye Research | 2022 | 1 |
| 25 | 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 |
| 26 | 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 |
| 27 | 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 |
| 28 | 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 |
| 29 | Optimization of Spreading Code Using Modified Differential Evolution for Wireless Communication | Kashyap K., Pathak S., Yadav N.S. | Wireless Personal Communications | 2022 | 1 |
| 30 | Deciphering LncRNA–protein interactions using docking complexes | Suravajhala R., Gupta S., Kumar N., Suravajhala P. | Journal of Biomolecular Structure and Dynamics | 2022 | 1 |
| 31 | 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 |
| 32 | 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 |
| 33 | 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 |
| 34 | 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 |

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| 35 | 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 |
| 36 | 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 |
| 37 | 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 |
| 38 | 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 |
| 39 | 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 |
| 40 | 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 |
| 41 | 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 |
| 42 | IIoT implementation challenges: analysis and mitigation by blockchain | Kumar R., Sindhwani R., Singh P.L. | Journal of Global Operations and Strategic Sourcing | 2022 | 1 |
| 43 | Smart nanomaterials for cancer diagnosis and treatment | Singh R., Sharma A., Saji J., Umapathi A., Kumar S., Daima H.K. | Nano Convergence | 2022 | 1 |
| 44 | 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 | |
| 45 | Traditional Knowledge – Going Multidimensional | Yadav P., Sharma S.B. | Journal of Intellectual Property Rights | 2022 | |
| 46 | 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 | |
| 47 | 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 | |
| 48 | 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 | |
| 49 | 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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| 50 | 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 | |
| 51 | Ferroelectric and dielectric behaviour of MWCNT/poly urethane composite | Chaurasia A., Dwivedi U.K., Hashmi S.A.R. | Materials Today: Proceedings | 2022 | |
| 52 | Uptake, translocation, transformation and physiological effects of nanoparticles in plants | Rani S., Kumari N., Sharma V. | Archives of Agronomy and Soil Science | 2022 | |
| 53 | Slotted waveguide antenna design for maritime radar system | Pathan R., Tripathi A., Tamboli M., Pathan S. | Microsystem Technologies | 2022 | |
| 54 | 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 | |
| 55 | A comparative study of different materials used for solar photovoltaics technology | Kumari N., Kumar Singh S., Kumar S. | Materials Today: Proceedings | 2022 | |
| 56 | 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 | |
| 57 | 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 | |
| 58 | 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 | |
| 59 | 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 | |
| 60 | A clickable folic acid-rhamnose conjugate for selective binding to cancer cells | Parashar S., Gupta V., Bhatnagar R., Kausar A. | Results in Chemistry | 2022 | |
| 61 | Financial literacy: an imperative approach for SMEs growth | Sharma S. | World Review of Entrepreneurship, Management and Sustainable Development | 2022 | |
| 62 | 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., Sukhwal I., Jain A., Chaturvedi A., Shah M.A. | Journal of Food Quality | 2022 | |
| 63 | 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 | |
| 64 | 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 | |

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| 65 | 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 | |
| 66 | Deciphering the interdependent labyrinth between gut microbiota and the immune system | Saini A., Dalal P., Sharma D. | Letters in Applied Microbiology | 2022 | |
| 67 | Slotted waveguide antenna design for maritime radar system | Pathan R., Tripathi A. | Scientific and Technical Journal of Information Technologies, Mechanics and Optics | 2022 | |
| 68 | 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 | |
| 69 | 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 | |
| 70 | 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 | |
| 71 | 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 | |
| 72 | ARTIFICIAL INTELLIGENCE (AI) | Kaushik M. | Research Notes on Computing and Communication Sciences: Intelligent System Algorithms and Applications in Science and Technology | 2022 | |
| 73 | 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 | |
| 74 | 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 | |
| 75 | Image Processing Using Elephant Herding Optimization: A Review | Soni V., Sharma A., Rajpurohit J. | Lecture Notes in Electrical Engineering | 2022 | |
| 76 | 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 | |
| 77 | 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 | |

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| 78 | 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 | |
| 79 | Deep Learning (CNN) and Transfer Learning: A Review | Gupta J., Pathak S., Kumar G. | Journal of Physics: Conference Series | 2022 | |
| 80 | 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 | |
| 81 | A Hybrid Metaheuristic for Transmission Tower Design Optimization | Rajpurohit J., Sharma T.K. | Lecture Notes in Networks and Systems | 2022 | |
| 82 | An Enhanced Sine–Cosine Algorithm with Balanced Exploration and Exploitation | Rajpurohit J., Sharma T.K. | Lecture Notes in Networks and Systems | 2022 | |
| 83 | Firefly Optimization Technique for Software Quality Prediction | Pankwar D., Saini G.L., Agarwal P., Singh P. | Lecture Notes in Networks and Systems | 2022 | |
| 84 | 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 | |
| 85 | Effective Flow Table Space Management Using Policy-Based Routing Approach in Hybrid SDN Network | Paliwal M., Nagwanshi K.K. | IEEE Access | 2022 | |
| 86 | Fractional integration and differentiation of the (p, q)-extended τ -hypergeometric function and related Jacobi transforms | Gupta M., Modi K., Solanki N.S., Ali S. | Journal of Analysis | 2022 | |
| 87 | 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 | |
| 88 | 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 | |
| 89 | 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 | |
| 90 | 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 | |
| 91 | 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 | |
| 92 | 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 | |

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| 93 | 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 | |
| 94 | 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 | |
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| 96 | Analysis of clustering algorithms for credit risk evaluation using multiple correspondence analysis | Jadwal P.K., Pathak S., Jain S. | Microsystem Technologies | 2022 | |
| 97 | 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 | |
| 98 | 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 | |
| 99 | 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 | |
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| 101 | BIO-UTILIZATION OF INDUSTRIAL WASTE: CHARACTERIZATION AND ANTIOXIDANT ACTIVITY | Jindal P., Chauhan M.S. | Rasayan Journal of Chemistry | 2022 | |
| 102 | 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 | |
| 103 | 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 | |
| 104 | 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 | |
| 105 | Analyze mathematical model for optimization of anaerobic digestion for treatment of waste water | Mathur P., Singh S. | Materials Today: Proceedings | 2022 | |
| 106 | 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., Brahmhatt I., Borges W., Hsiao B.S. | Separation Science and Technology (New York) | 2022 | |
| 107 | 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 | |

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| 108 | 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 | |
| 109 | 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 | |
| 110 | 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 | |
| 111 | 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 | |
| 112 | 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 | |
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