

2022 PUBLICATIONS

- 476. Karthik Rajendran, Vigneswaran V.S., Enhancing heat transfer performance of automotive radiator with H2O / activated carbon nanofluids, Journal of molecular liquids, 371, 2022, DOI:10.1016/j.molliq.2022.121153
- 475. Sushil Tiwari and Vinod Kumar Jain, A novel step detection technique for pedestrian dead reckoning based navigation, ICT Express, Elsevier, 2022, Just Accepted
- 474. Bhaskara S. Egala, Ashok K. Pradhan, Shubham Gupta, Kshira Sagar Sahoo, CoviBlock: A Secure Blockchain-Based Smart Healthcare Assisting System, Sustainability 2022,14, 16844, 2022, DOI:10.3390/su142416845
- 473. Tapas Kumar Mishra, Content Based Image Retrievalusing Weighted Feature Fusion, Computer Integrated Manufacturing Systems, 2022, Just Accepted
- 472. Kshira Sagar Sahoo, E-Learning Course Recommender System Using Collaborative Filtering Models, Electronics MDPI, 2022, Just Accepted
- 471. Kshira Sagar Sahoo, EMCS: An Energy-Efficient Makespan Cost-Aware Scheduling Algorithm Using Evolutionary Learning Approach for Cloud-Fog-Based IoT Applications, Sustanability MDPI, 2022, Just Accepted.
- 470. Mitra, Harshitha, Harshith, Mahesh, C. C. Sobin, Detecting Long Non-Coding RNAs Responsible for Cancer Development, 20th IEEE International Conference on Information Technology (OITS OCIT 2022),2022, Just Accepted
- 469. Hashmi, Shahab Nadeem, Nitesh Bharti, V. M. Manikandan, An Overview of Internet of Things and Machine Learning for Smart Healthcare, Book: Deep Learning for Cognitive Computing Systems: Technological Advancements and Applications 7 (2022): 97, 2022, Just Acceted
- 468. Arnab Mitra, How can we enhance reputation in Blockchain consensus for Industry 4.0–A proposed approach by extending the PageRank algorithm, International Journal of Information Management Data Insights, Elsevier, Vol. 2, issue 2, 100-138, 2022 DOI:10.1016/j.jjimei.2022.100138
- 467. Mohammed Sharfuddin, Thirumalaisamy Ragunathan, Frequent Block Access Pattern-Based Replication Algorithm for Improving the Performance of Cloud Storage Systems, Journal of Advnaces in Information Technology, 2022, Just Accepted
- 466. Prathyusha, Zakiya, Savya, Tejaswi, Neena, C. C. Sobin, A Method for Price Prediction of Potato Using Deep Learning Techniques, 2nd International Conference on Intelligent Vision and Computing (ICIVC 2022), NIT Agartala, 2022, Just Accepted
- 465. Vivek Kumar, Chinmaya Kumar Swain, and Aryabartta Sahu, Energy Efficient Dynamic Load Balancing Using Self-Organized Criticality in Grid Computing, 2022, Just Accepted
- 464. Preeti Routray, Chinmaya Kumar Swain, Rakesh Chandra Balabantaray, Sentiment Analysis from Student Feedbacks using Supervised Machine Learning Approaches, International Conference On Innovations in Intelligent Computing and Communications, 2022, Just Accepted
- 463. Madhuri Devineni Venu, Dheeraj Pavuluri Venkata Naga, V. M. Manikandan, A Detailed Review on Reversible Data Hiding and Its Applications, 14th International Conference on Soft Computing and Pattern Recognition (SoCPaR 2022), 2022, Just Accepted



- 462. Anabik Pal, Sounak Ray, Sameer Antani, Utpal Garain, Attention Residual Capsule Network for Dermoscopy Image Classification, Computer Vision and Imae Processing (CVIP) 2022, Just Accepted
- 461. Sri Phani Bhushan Mada, Nandini Thimmireddygari, Rahul Tata, Sneha Teja Sree Reddy Thondapu, Sumalatha Saleti, A Comparison of Various Class Balancing and Dimensionality Reduction Techniques on Customer Churn Prediction, 7th IEEE International Conference on Recent Advances and Innovations in Engineering, NIT, Suratkal, 2022, Just Accepted
- 459. Chaitanya Datta M and Rajiv Senapati, An Adoptive Heart Disease Prediction Model using Machine Learning Approach, 22nd OITS International Conference on Information Technology (OCIT), 2022, IEEE, 2022, Just Accepted
- 458. V. M. Manikandan, Kandla Sree Rama Murthy, Bhavana Siddineni, Nancy Victor, Praveen Kumar Reddy Maddikunta, Saqib Hakak, A High-Capacity Reversible Data-Hiding Scheme for Medical Image Transmission Using Modified Elias Gamma Encoding, Electronics, 11(19), 3101, 2022, 2022, Just Accepted
- 457.Behera, A, Patil, S.S, Subudhi, U, Ghatak, S, Panigrahi, T.K, Alsharif, M.H. and Mohsan, S,Frequency Stability Analysis of Multi-Renewable Source System with Cascaded PDN-FOPI Controller, Sustainability, 14(20), p.13065, 2022, DOI:10.3390/su142013065
- 456. Priyanka, Factor Prioritization for Effectively Implementing DevOps in Software Development Organizations: A SWOT-AHP Approach, Axioms. 2022; 11(10):498 ,2022, DOI: 10.3390/axioms11100498
- 455.Chouhan Kumar Rath, Amit Kr. Mandal, Anirban Sarkar, Microservice based scalable IoT architecture for device interoperability, Computer Standards & Interfaces, 2022, 650-697, 2022, DOI: 10.1016/j.csi.2022.103697
- 454. J Kumar, TK Dey, RK Tiwari, AK Singh, Routing Recovery 1 Protocol for Wireless Sensor Network Based on PSO-ACO and Neural Network, Fuzzy Optimization Techniques in the Areas of Science and Management, 3-22,2022, Just Accepted
- 453. J Kumar, TK Dey, RK Tiwari, AK Singh, Cluster-Based Routing 5 Protocol for WSN Using Fusion of Swarm Intelligence and Neural Network, Fuzzy Optimization Techniques in the Areas of Science and Management, 75-91, 2022,DOI:doi.org/10.1201/b23138
- 452. Tapas Mishra, Arati Behera, Kshira Sagar Sahoo and Sarath Chandra Banala, An Improved Machine Learning Framework for Cardiovascular Disease Prediction, COCOLE 2022, 2022, Just Accepted
- 451.R Shathanaa, S R Sreeja and E Elakkiya, MS3A: Wrapper based Feature Selection with Multiswarm Salp Search Optimization,International Conference on Advances in Data-driven Computing and Intelligent Systems (ADCIS 2022), 2022, Just Accepted
- 450, M. A. Khan, S. K. Mishra, A. Kumari and B. Sahoo, Task Allocation in Containerized Cloud Computing Environment, IEEE International Conference on Advancements in Smart, Secure and Intelligent Computing (ASSIC), 2022, 2022, Just Accepted
- 449. Mohit Kumar, Sahithi Priya Gurram, Praneeth Gadipudi, Ishita Agrawal and Sumalatha Saleti, Exploring patterns and correlations between cryptocurrencies and forecasting crypto prices using influential tweets, 4th International Conference on Machine Learning, Image Processing, Network Security and Data Sciences MIND-2022, 2022, Just Accepted



- 448. Mahesh Kumar Morampudi, Nagamani Gonthina, V. Dinesh Reddy, Katta Subba Rao, Performance Analysis of Students in Programming Education using Classification Techniques, International Conference on Advancements in Smart, Secure and Intelligent Computing (ASSIC) 2022, 2022, Just Accepted
- 447. Bojjagani et al, Secure Authentication and Key Management Protocol for Deployment of Internet of Vehicles (IoV) Concerning Intelligent Transport Systems, IEEE Transactions on Intelligent Transportation Systems, 2022, Just Acceted, DOI:10.1109/TITS.2022.3207593
- 446. Kshira Sagar Sahoo, Improved Procedure for Improved Procedure for Multi-Focus Images Using Image Fusion with qshiftN DTCWT and MPCA in Laplacian Pyramid Domain, Applied Sciences, MDPI, 2022, Jut Accepted
- 445. Kshira Sagar Sahoo, A fuzzy rule based machine intelligence model for cherry red spot disease detection of human eyes in IoMT, Wireless Networks, Springer, 2022, Just Accepted
- 444. Ashok Kumar Pradhan, Syama Prasad Mukherjee, Naresh Babu, S Bhattacharya, "Intelligent Systems for Social Good Theory and Practice", book series named "Advanced Technologies and Societal Change" Springer Nature, 2022, Just Accepted
- 443. H. K. Tripathy, S. Mishra, S. Suman, Kshira Sagar Sahoo and A. Nayyar, Smart COVID-shield: an IoT driven reliable and automated prototype model for COVID-19 symptoms tracking Computing Springer Nature, 2022, Just Accepted
- 442. Raviteja, K.V.N.S., Reddy, K.R, Application of artificial intelligence, machine learning and deep learning in contaminated site remediation, Recent Developments in Energy and Environment, 2022, Just Accepted
- 441.Nilanjon Naskar, Weina Liu, Haoyuan Qi, Anne Stumper, Stephan Fischer, Thomas Diemant, R. Jürgen Behm, Ute Kaiser, Sven Rau, Tanja Weil, and Sabyasachi Chakrabortty, A Carbon Nanodot Based Near-Infrared Photosensitizer with a Protein-Ruthenium Shell for Low-Power Photodynamic Applications, ACS Appl. Mater. Interfaces, 2022, Just Accepted DOI: 10.1021/acsami.2c08585
- 440. Goutam Pramanik, Soumabha Bag & Sabyasachi Chakrabortty, Fluorescent nanodi amond for nanotheranostic applications, Microchimica Acta,2022, Just Accepted, DOI: 10.1007/s00604-022-05545-6
- 439. Pankaj Pathak, Kumar Sushil, Electronic waste: an emerging contaminant in the geoenvironment, Emerging Contaminants in the Environment, 2022, Just Accepted, DOI:10.1016/B978-0-323-85160-2.00018-4
- 438. Pankaj Pathak, L. Addagada, M.K. Shahid, P.R. Rout, Microbial Polyhydroxyalkanoates (PHAs): A Brief Overview of Their Features, Synthesis, and Agro-Industrial Applications, Advances in Agricultural and Industrial Microbiology. Springer, 2022, 217-236, DOI: https://doi.org/10.1007/978-981-16-8918-5 12
- 437. Pankaj Pathak, M.K. Shahid, A. Kashif, Y. Choi, P.R. Rout, Water reclamation, recycle, and reuse, Clean Energy and Resource Recovery, Elsevier, 2022, 2, 39-50, DOI: https://doi.org/10.1016/B978-0-323-90178-9.00028-7
- 436.Sumit Kumar, Gyan Prakesh, Bhumika Gupta, Giuseppe Cappiello, How e-WOM influences consumers' purchase intention towards towards private label brands on e-commerce platforms,



- Journal Technological Forecasting & Social Change, 2022, 187, DOI: https://doi.org/10.1016/j.t echfore.2022.122199
- 435. Kamaiah B, Kesar, A., Kamaiah, B., Jena, P. K., & Yadav M. P, The Asymmetric Relationship between Corruption, Political Stability and Economic Growth: New Evidence from BRICS Countries, The Indian Economic Journal, 2022, 70, DOI: https://doi.org/10.1177/00194662221082204
- 434. Murali Krishna Enduri, V. Sateeshkrishna Dhuli , Satish Anamalamudi, Koduru Hazarathaiah, Generalization of Relative Change in a Centrality Measure to Identify Vital Nodes in Complex Networks, IEEE Access, 2022, 11, NA
- 433. Mahesh Kumar Ravva, Tanuja Kumari, Ramhari Meena, Lopamudra Giri, Bipul Sarma, Priyanka R Angarkhe, Jesni M Jacob, Jagnyaseni Tripathy, Jyoti Joshi, Rakesh K Behera, Swagat K Mohapatra, Synthesis and structural investigation of mononuclear penta-and hexa-coordinated Co complexes of 8-hydroxyquinoline derived ligands, Journal of Molecular Structure, 2022, 1273, DOI: 10.1016/j.molstruc.2022.134253
- 432. Mahesh Kumar Ravva, Sheik Haseena, K Rudharachari Maiyelvaganan, Muthuramalingam Prakash, Cyclo [18] carbon-A new class of electron acceptor for organic solar cells applications, Journal of Molecular Structure, 2022, 1271, DOI: 10.1016/j.molstruc.2022.134025
- 431. Mahesh Kumar Ravva, Sairathna Choppella, Ganesan Paramasivam, Sangaraju Sambasivam, Understanding the Stability of π -Conjugated Diradicaloid Organic Molecules, Journal of Electronic Materials, 2022, Just Accepted, DOI: 10.1007/s11664-022-10082-2
- 430. Mahesh Kumar Ravva, Sheik Haseena, Theoretical studies on donor–acceptor based macrocycles for organic solar cell applications, Scientific Reports, 2022, 12, DOI: 10.1038/s41598-022-19348-5
- 429. Mahesh Kumar Ravva, KR Maiyelvaganan, M Janani, K Gopalsamy, M Prakash, V Subramanian, Studies on hydrogen storage in molecules, cages, clusters, and materials: A DFT study, Atomic Clusters with Unusual Structure, Bonding and Reactivity 2022, 213-235, DOI: 10.1016/B978-0-12-822943-9.00019-X
- 428. Jatis Kumar Dash, Imran Uddin, S. Md. Abzal , Kurapati Kalyan, Sailakshmi Janga, Starch-assisted stable synthesis of CdS nanoparticles for enhanced electrical and optical Properties, Journal of Electronic Materials, 2022, Just Accepted, NA
- 427. Ranjit Thapa, Spandana Gonuguntla, Saddam Sk, Anjana Tripathi, Gopinath Jonnalagadda, Chandrani Nayak, D. Bhattacharyya, S. N. Jha, Annadanam V. Sesha Sainath, Vijayanand Perupogu, Ujjwal Pal, Anisotropic Phenanthroline based Ruthenium Polymer/Ti(MOF) triggers efficient H2 generation, Communication Chemistry, 2022, 5, DOI: 10.1038/s42004-022-00763-8
- 426. Patro.LN., Y. Bhaskara Rao, K. Ramakrushna Achary, and Dr Lakshmi Narayana Patro, Enhanced Electrochemical Performance of Na3V2(PO4)3/C Cathode Material upon Doping with Mn/Fe for Naion Batteries, ACS Omega, 2022, 7, 48192-48201, DOI: 10.1021/acsomega.2c06261
- 425. Pranab Mandal, Ramakrishna Rao Akurati, Nitchal Kiran Jaladi, Srinivasa Rao Kurapati, Govinda Kopusetti, Mounika Choppadandi, Preparation, characterization and study of magnetic induction heating of Co-Cu nanoparticles, Materials Today Communications, 2022, 34, DOI: 10.1016/j.mtcomm .2022.104964



- 424. Supravat Dey, Zhanhao Zhang and Abhyudai Singh, Modeling noise propagation in time-delayed auto-inhibitory genetic circuits, IFAC-PapersOnLine, 2022, 55, 552-557, DOI: 10.1016/j.ifacol.2022.09.153
- 423. Mallikarjuna Rao M, Arun Nimmala, Anand P Pathak, M Ghanashyam Krishna, Venkata Sai Nageswara Rao Sunkaranam, Radiation Response of HfO x-Based Resistive Random Access Memory (RRAM) Devices, ACS Applied Electronic Materials, 2022, 4, 5594-5601, DOI: 10.1021/acsaelm.2c01 180
- 422. Amit Charkraborty, Re-evaluating Jet Reconstruction Techniques for New Higgs Boson Searches, Proceedings of Science" (PoS), 2022, Just Accepted, NA
- 421. Elakkiya, Multi-Cohort whale optimization with search space tightening for engineering optimization problems, Neural Computing and Applications, 2022, Just Accepted, DOI: https://doi.org/10.100 7/s00521-022-08139-8.
- 420. Vivekanand, Development of digital twin interface for a collborative robot, springer book chapter, 2022, Just Accepted, NA
- 419. Deepak Bhosale, Fast ion transport in mechanochemically synthesized SnF2 based solid electrolyte, NH4Sn2F, Solid state ionics, 2022, 388, NA
- 418. jasvinder singh, effect of post heat treament on the properties of additive manfactured parts, elsevier book chapter, 2022, Just Accepted, NA
- 417. Manjesh kumar, Material removal analysis during MR polishing of complex gear teeth profile, Part C- Journal of mech engg sc, 2022, Just Accepted, NA
- 416. Surfaraz Halkarni, Simulation of time injection strategy for a finite miscible slice in porous media, Springer lecture notes in mech, 2022, Just Accepted, NA
- 415. Shantanu Ghosh, Rani, P., Yadav, A. K., Kumar, D., Pandey, J., Gull, M., Ansari, M. A & Sahni, B, A Bibliometric Analysis of Literature on Covid-19 And Mental Health, National Journal of Community Medicine, 2022, 13, 642-650, DOI: 10.55489/njcm.130920222131
- 414. Manzoor Hassan Mallik Anandarao, An appraisal of India's comparative advantage in information technology (IT) exports, Journal of Chinese Economic and Foreign trade studies, 2022, Just Accepted, NA
- 413. Manish Kumar, Puspha Trivedi, Measurement and Determinants of Productivity of Indian Electronics Industry, Innovation Systems, Economic Development and Public Policy, 2022, Just Accepted, DOI: 10.4324/9781003353904
- 412. Anandarao Suvvari, Mohanarao Balaga, Is There an End to the Currency Crisis in Turkey?: An Empirical Investigation, Studies in International Economics and Finance, 2022, 513-526, DOI: 10.1007/978-981-16-7062-6_25
- 411. A V S Kamesh, Vasudeva Reddy Asi, Mediating role of trust on the relationship between servant leadership and team commitment among the employees of IT-sector in south India, Organizational Psychology, 2020, DOI: https://orgpsyjournal.hse.ru/data/2021/01/07/1344 987262/OrgPsy_202 0_4(2)_Reddy-Kamesh(12-40).pdf
- 410. CA Mahalakshmi, Emerging Financial Instruments- Green Bonds, EIIRJ, 2022, Just Accepted, NA



- 409. Sumit Kumar, Economic Prosperity and Environmental Sustainability:Role of Infrastructure Development, Indian Journal of Ecology, 2021, Just Accepted, NA
- 408. Ravi Prakash, Dr. S. Appa Rao, Risk Analysis in trading with Castor seeds Futures in India, International Journal of Finance and Banking Research, 2022, 8, 48-56, NA
- 407. Rajesh Ranjan, Rohit, B., & Srivastava, D.K., Study On Job and Organizational Related Factors Affecting Employee Engagement, Proceedings of the 2nd Indian International Conference on Industrial Engineering and Operations Management at National Institute of Technology (NIT) Warangal, Telangana, India, 2022, 9, NA
- 406. Ugen Bhutia, Maanvender Singh, Deep Moni Gogoi, Beyond the discourse of post-truth: Some reflections on the idea of fake news based on corpus linguistics (an educational analysis) the Online, Journal of Educational Policy and Management, 2022, Just Accepted, DOI: https://doi.org/10.2263 3/rpge.v26iesp.1.16508
- 405. Ipsita Pradhan, Mukherjee Anushyamn, Rayaprol Aparna, Women and the Changing Nature of Work in Hyderabad's Hitec City, Sociological Bulletin, 2022, 71, DOI: 10.1177/00380229211063364
- 404. Bikku, Colonial Impact on Pastoral Nomads and Caravan Traders in India: The Raika and the Banjara, Springer Nature, 2022, 243-259, DOI: https://doi.org/10.1007/978-981-19-0059-4_13
- 403. Jayaseelan Murugaiyan, Katia Iskandar, Dalal Hammoudi Halat , Said El Hage , Vindana Chibabhai , Saranya Adukkadukkam , Christine Roques , Laurent Molinier , Pascale Salameh, Maarten Van Dongen, Antibiotic Discovery and Resistance: The Chase and the Race, Antibiotics, 2022, 11, 1-38, DOI: 10.3390/antibiotics11020182
- 402. Anil K.Suresh, Divya S.Parimi, Yamini Gupta, Sreekar Marpu, Chandra S.Bhatt, Tharun K.Bollu, Nanomagnet-facilitated pharmaco-compatibility for cancer diagnostics: Underlying risks and the emergence of ultrasmall nanomagnets, Journal of Pharmaceutical Analysis, 2022, 12, 365-379, DOI: 10.1016/j.jpha.2021.11.002
- 401. Javid Ahmad Dar, Debojyoti Raha, Subashree Kothandaraman, Mohammed Latif Khan, Variation in soil organic carbon stocks in three tropical dry deciduous forests of Madhya Pradesh, India, Proceedings of the International Academy of Ecology and Environmental Sciences, 2022, 12, 1-6, DOI: http://www.iaees.org/publications/journals/piaees/online-version.asp
- 400. Karthik Rajendran , Dhamodharan K., Ahlawat S., Kaushal M., Economics and cost analysis of waste biorefineries, Refining Biomass Residues for Sustainable Energy and Bioproducts: Technology, Advances, Life Cycle Assessment, and Economics, 2022, 545-565, DOI: 10.1016/B978-0-12-818996-2.00025-9
- 399. Karthik Rajendran, Lin R., Wall D.M., Murphy J.D., Influential aspects in waste management practices, Sustainable Resource Recovery and Zero Waste Approaches, 2022, 65-78, DOI: 10.1016/B978-0-444-64200-4.00005-0
- 398. Koyel Chakravarthy, Mathematical Modelling of Oncolytic Virotherapy with Mediated Immunity, International Journal of Ecology & Development, 2022, Just Accepted, NA
- 397. Fouzul Atik, Priti Prasanna Mandal, Firdoshi Parveen, On the distance spectra of m-generation n-prism graph, AKCE International Journal of Graphs and Combinatorics, 2022, 19, 276-281, DOI: 10.1080/09728600.2022.2137443



- 396. Sonali Monadal, Mathematical Analysis of Rayleigh waves at non-planner boundary between orthotropic and micropolar media, International Journal of Geomechanics, 2022, Just Accepted
- 395. Pankaj Pathak, Tejaswini MSSR, D.K. Gupta, Co-combustion of multilayered plastic waste blend with biomass: Thermokinetics and synergistic effect, Fuel, 2022, 337, DOI: https://doi.org/10.1016/j.fuel.2022.127168
- 394. Muhammad Muazu Bala, Shailender Singh, Dhruba Kumar Gautam, Stochastic frontier approach to efficiency analysis of health facilities in providing services for non-communicable diseases in eight LMICs, International Health, 2022, 0,1-14, DOI: 10.1093/inthealth/ihac080
- 393. Anjana Tripathi, Yoshiyuki Kawazoe, Ranjit Thapa, First-Principles identification of CO oxidation via LH mechanism over ER mechanism on metal-boron centered single-metal dual site catalyst, Molecular Catalysis, 2022, Just Accepted
- 392. Ashok Kumar Pradhan, Shubham Gupta, Kshirasagar Sahoo, Bhaskara Santosh Eagala, A Secure Blockchain Based Pandemic Mitigation Assisting System, Sustainability, 2022, Just Accepted
- 391. Anirban Ghosh, Satish Kumar Tiwari, Naga Srinivasarao Chilamkurty, Omjee Pandey, Energy and Throughput Management in Delay-Constrained Small-World UAV-IoT Network, IEEE Internet of Things, 2022, Just Accepted
- 390. Sumit Kumar, Consumers' purchase intention towards Private Label Brands on e-commerce platforms, Technological Forecasting & Social Change, 2022, Just Accepted
- 389. Satyam Verma, MODIS-Derived Fire Characteristics and Greenhouse Gas Emissions from Cropland Residue Burning in Central India, Sustainability, 2022, Just Accepted
- 388. J Vineet Prakash, Does Business Group Affiliation Enhance Firm-Level Innovation? Evidence from Indian Automotive Components Industry, The Indian Economic Journal, 2022, Just Accepted
- 387. KousikDas, PoulomeeCoomar,PalashDebnath,SwatiVerma,PreronaDas,AshisBiswas, Abhijit Mukherjee, Arsenic enriched groundwater discharge to a tropical ocean: Understanding controls and processes, Environmental Pollution, 2022, Just Accepted, DOI: 10.1016/j.envpol.2022.120838
- 386. Jatis Kumar Dash, Sailakshmi Janga, S. Md. Abzal, Kurapati Kalyan, Synthesis of 2D Tin Sulfides [SnS(x=1,2)] layers by Proximity Evaporation: Thermodynamic Phase Tuning and Optical Photoresponsivity, Journal of Electronic Materials, 2022, Just Accepted
- 385. Banee Bandana Das, Eternal-Thing 2.0: Analog-Trojan Resilient Ripple-Less Solar Harvesting System for Sustainable IoT, Emerging Technologies in Computing Systems (ACM JETC), 2022, Just Accepted
- 384. Prakash Jadav, Modeling of mode 1 delamination behavior in laminated composite structures for aerospace applications, Materials Today Proceedings, 2022, Just Accepted
- 383. Kamala Kumari Duru, Praneash Venkatachalam, Chanakya Karra, Asha Anish Madhavan, Sambasivam Sangaraju and Sujith Kalluri, Equivalent Circuit Model Parameters Estimation of Lithium-Ion Batteries Using Cuckoo Search Algorithm, The Electrochemical Society, 2022, Just Accepted, DOI:10.1149/1945-7111/aca6a5
- 382. Deblina Dutta, Rahul Rautela, Lohit Kumar Srinivas Gujjala, Debajyoti Kundu, Pooja Sharma, Mamta Tembhare, Sunil Kumar, A review on recovery processes of metals from E-waste: A green perspective, Science of the Total Environment, 2022, 859(2), DOI:10.1016/j.scitotenv. 2022.160391



- 381. YanfeiZhao,SheikHaseena,Mahesh KumarRavva,ShengjieZhang,XiangLi,JiandongJiang, YujunFu,SahikaInal,QiWang,YazhouWang,WanYue,IainMcCullocn,DeyanHe, Side chain engineering enhances the high-temperature resilience and ambient stability of organic synaptic transistors for neuromorphic applications, Nano Energy, 2022, 104, DOI: 10.1016/j.nanoen.2022.107985
- 380. Suresh Saini, Deepak S. Gavali, Ramesh Bhawar, Ranjit Thapa, Rajendra S. Dhayal, and Shubhankar Kumar Bose, Facile synthesis of alkyl and aryl boronate esters enabled by carbon nanotubes supported copper catalyst, Catalysis Science & Technology, 2022, Just Accepted, DOI: 10.1039/D2CY01741E
- 379. Shwetha Kolathur Ramachandra, D.H.Nagaraju, Samadhan Kapse, Ranjit Thapa, Srinivasa Budagumpi, Zhoveta Yhobu, Synergetic Effect of Ru @ Octahedral Site of Fe3O4 and Charge Transfer from rGO to Ru/Fe3O4for Improved Hydrogen Evolution Reaction- Experimental and DFT Studies, Materials Letters, 2022, 331, DOI:10.1016/j.matlet.2022.133450
- 378. Saleti Sumalatha, jayalakshmi Tangirala, Mining High Utility Time Interval Sequences using MapReduce Approach: Multiple Utility Framework, IEEE Access journal, 2022, Just Accepted
- 377. Lakshmi Sirisha Maganti, Influence of competitive electro- and ferro-hydrodynamics on droplet vaporization phenomenology, Microfluidics and Nanofluids, 2022, Just Accepted
- 376. Randhir Kumar, Deep Learning-based Blockchain for Secure Zero Touch Networks, IEEE Communications, 2022, Just Accepted
- 375. L N Patro, K. Ramakrushna Achary, Y. Bhaskara Rao, Dipak Bhosale, Fast ion transport in mechanochemically synthesized SnF2 based solid electrolyte, NH4Sn2F5, Solid State Ionics, 2022, Just Accepted
- 374. Javid Ahmad Dar, Tree Plantation: A Silver Bullet to Achieve Carbon Neutrality?, Land Degradation Neutrality: Achieving SDG 15 by Forest Management, 2022, Just Accepted
- 373. Gangi Reddy, Influence of Sintering Temperature Strategy on Structural, Dielectric and Resistive Switching in Bulk Ba0.7Sr0.3TiO3 Ceramics, Journal of Electronic Materials, 2022, Just Accepted
- 372. Latika Patel, Shoji D. Thottathil, Rashmi Singh, Land use drivers of riverine methane dynamics in a tropical river basin, India, The Nature Indexed Journal, "Water Research, 2022, Just Accepted
- 371. Nimai Mishra, Rahul Singh ,Syed Akhil ,Manoj Palabathuni ,Subarna Biswas, Near-Unity Photoluminescence Quantum Yield of Green-Emitting Graded Alloy Core/Shell Quantum Dots by z-type Ligand Passivation for Display Applications, ACS Applied Nano Materials, 2022, Just Accepted
- 370. Lakshmi Sirisha Maganti, Multi-objective optimization of parallel microchannel heat sink with inlet/outlet U, I, Z type manifold configuration by RSM and NSGA-II, International Journal of Heat and Mass Transfer, 2022
- 369. Manab Kundu, Uncertainty principles and applications of quaternion windowed linear canonical transform, Optik, 2022, Just Accepted
- 368. Satyam Verma, Reliability of cross-regional applications of global fire danger models: a Peruvian case study, Fire Ecology, 2022, Just Accepted
- 367. Sabyasachi Mukhopadhyay, Effect of formamidinium (FA) ions on mixed 'A'-site based bromide perovskite (APbBr3) thin films, New Journal of Chemistry, 2022, Just Accepted



- 366. Partha Bhattacharjee, Penning the pain of partition: Refugee camp narratives in Indian comics, Studies in Comics, 2022, Just Accepted
- 365. Sheela Singh, Investigation on High Entropy Alloys as Interconnect Material for Intermediate Temperature Solid Oxide Fuel Cells, Alloys and Compounds, 2022, Just Accepted
- 364. Kshira Sagar Sahoo, Ranumayee Sing ,Sourav Kumar Bhoi ,Niranjan Panigrahi ,Nz Jhanjhi ,Mohammed A. AlZain, A Whale Optimization Algorithm Based Resource Allocation Scheme for Cloud-Fog Based IoT Applications, Electronics, 2022, 11(19), 3207, DOI:10.3390/electronics11193207
- 363. Pradyut Kumar Sanki,Syed Ali Hussain,PNSBSVPurrna Prasad V, A High-Speed Low-Power CMOS-Memristor Based Hybrid Comparator Using m_GDI Technique for IoT Applications, IEEE-iSES 2022, 2022, Just Accepted
- 362. Pradyut Kumar Sanki,Syed Ali Hussain,PNSBSVPurrna Prasad V, Depth Invariant Real-Time Fixed/Random Valued Impulse Noise Removal Algorithm for Back-End of Ultrasonography Systems, IEEE-iSES 2022, 2022, Just Accepted
- 361. Nitul Dutta, A bargain game theory assisted interest packet forwarding strategy for information centric network, Journal of Network and Computer Applications (JNCA), 2022, Just Accepted
- 360. Shweta Srivastava, Vertical characteristics of precipitating cloud systems during different phases of life cycle of cloud systems using satellite-based radar over tropical oceanic areas, Journal of Applied and Natural Science, 2022, Just Accepted
- 359. Sudhakar Tummala, Jungeun Kim, Seifedine Kadry BreaST-Net: Multi-Class Classification of Breast Cancer from Histopathological Images Using Ensemble of Swin Transformers, Mathematics, 2022, 10(21), 4109, DOI: 10.3390/math10214109
- 358. Ramanjaneya Reddy, Tarkeshwar Mahto ,B. Lokeshgupta, Maya Vijayan, Optimal PI Controller Based Hybrid Energy Storage System in DC Microgrid, Sustainability Journal, 2022, Just Accepted
- 357. Subhankar Ghatak, An Improved Tube Rearrangement Strategy for Choice-based Surveillance Video Synopsis Generation, Digital Signal Processing, 2022, Just Accepted
- 356. Esha Saha, Pradeep Rathore, Case mix-based resource allocation under uncertainty in hospitals: Physicians being the scarce resource, Computers & Industrial Engineering, 2022, 174, DOI: https://doi.org/10.1016/j.cie.2022.108767
- 355. T. Ragunathan, Anusha Nalajala, Efficient Prefetching and Client-side Caching Algorithms for Improving the Performance of Read Operations in Distributed File Systems, IEEE Access journal, 2022, Just Accepted
- 354. Amit Kumar, Manjesh kumar, Experimental and theoretical analysis of material removal in poppet valve magnetorheological finishing, Journal of Process Mechanical Engineering, 2022, Just Accepted
- 353. Anil K Suresh, Mannnathan, M. Motapothula, Chandra S Bhatt, Divya S Parimi, Tharun K Bollu, Madhura, Noah Jacob, Ram Raju, Sustainable Bioengineering of Gold structured Wide-Area Supported Catalyst for Hand-Recyclable Ultra-Efficient Heterogeneous Catalysis, ACS Applied Materials and Interface, 2022, Just Accepted



- 352. Vimal Babu,Vijaya Prabhagar Murugesan,Rukma Ramachandran, The Role of Blockchain technology in the Process of Decision-making in Human Resource Management: A Review and Future Research Agenda, Business Process Management Journal, 2022, Just Accepted
- 351. Priyanka S, Jyothsna K Devi, Robust and Secured Watermarking using Ja-Fi Optimization for Digital Image Transmission in Social Media, Applied Soft Computing Journal, 2022, Just Accepted
- 350. Sonam Maurya, Sushil Tiwari, Monika Chowdary Mothukuri, Chandra Mallika Tangeda, Rohitha Naga Sri Nandigam, Durga Chandana Addagiri, A Review on Recent Developments in Cancer Detection using Machine Learning and Deep Learning Models, Biomedical Signal Processing & Control, 2022, Just Accepted
- 349. Jatis Kumar Dash,S. Md. Abzal,Kurapati Kalyan,Sailakshmi Janga,I. Uddin, Starch assisted synthesis of Bi2S3 nanoparticles for enhanced dielectric and antibacterial applications, ACS Omega, 2022, Just Accepted
- 348. Ramanjaneya Reddy, Tousif Khan, Aswini P, Soft-Switched Full-Bridge Converter for LED Lighting Applications with Reduced Switch Current, International Journal of Circuit Theory and Applications (John Wiley & Sons Ltd), 2022, Just Accepted
- 347. P Pradhan, K Singh, PS Maram, and S Vaidyanathan, Oxide-Based Red Emitting Phosphors with High Color Purity and Their Versatile Applications: Synthesis, Structure, and Luminescence Properties, ACS Applied Optical Materials, 2022, Just Accepted, DOI:10.1021/acsaom.2c00022
- 346. Priyanka Singh, Influencer-Defaulter Mutation-Based Optimization Algorithms for Predicting Electricity Prices, Utilities Policy, 2022, Just Accepted
- 345. Spandana Gonuguntla, Saddam sk, Anjana Tripathi, Ranjit Thapa, Gopinath Jonnalagadda, Chandrani Nayak, Dibyendu Bhattacharyya, S. Jha, Annadanam Sesha Sainath, Vijayanand Perupogu, and Ujjwal Pal, Anisotropic phenanthroline-based ruthenium polymers grafted on a titanium metalorganic framework for efficient photocatalytic hydrogen evolution, Communications Chemistry, 2022, Just Accepted
- 344. Balaji Vejju, Economic Sustainability of Women Micro Enterprises: A Micro Analysis of Kavali Mandal of Andhra Pradesh, Empirical Economics Letters, 2022, Just Accepted
- 343. Megha Yadav, Transforming the Female Body: Gender Dialectics in Early Buddhism, Studies in History, 2022, Just Accepted
- 342. Asim Ghosh, Bikas K. Chakrabarti, Dachepalli R. S. Ram, Manipushpak Mitra, Raju Maiti, Soumyajyoti Biswas, Suchismita Banerjee, Scaling Behavior of the Hirsch Index for Failure Avalanches, Percolation Clusters and Paper Citations, Frontiers in Physics, 2022, 13, DOI: 10.48550/arXiv.2109.14500
- 341. Deep Raj,Adarsh Kumar,Tripti,andSubodh Kumar Maiti, Health Risk Assessment of children exposed to the soil containing potentially toxic elements: A case study from coal mining areas, Metals, 2022, 12(11), 1795, DOI: 10.3390/met12111795
- 340. Pankaj Bhalla, Kamal Das, Dimitrie Culcer, and Amit Agarwal, Resonant Second-Harmonic Generation as a Probe of Quantum Geometry, Physical Review Letters, 2022, Just Accepted
- 339. Sabyasachi Mukhopadhyay, Kunchanapalli Ramya, Asymmetrical Electrical Performance across Different Planes of Solution-Grown MAPbBr3 Crystals of mm Dimensions, ACS Omega, 2022, Just Accepted



- 338. Sandhya Saini, Debabrata Chakraborty, E. S. Erakulan, Ranjit Thapa, Rajaram Bal, Asim Bhaumik, and Suman L Jain, Visible Light Driven Metal-Organic Framework Mediated Activation and Utilization of CO2 for the Thiocarboxylation of Olefins, ACS Applied Materials & Interfaces, 2022, Just Accepted
- 337. Faizanjunaid, Md., Sravanam, S.M,Raviteja KVNS, Prediction of Interface Friction Angle Between Landfill Liner and Soil Using Machine Learning, Recent Advances in Sustainable Environment, 2022, Just Accepted
- 336. PalasSamanta, SukhenduDey,DebajyotiKundu, DeblinaDutta,RohitJambulkar, RahulMishra, Apurba RatanGhosh,SunilKumar, An insight on sampling, identification, quantification and characteristics of microplastics in solid wastes, Trends in Environmental Analytical Chemistry, 2022, 36, DOI: 10.1016/j.teac.2022.e00181
- 335.Karthik Rajendran, A.Bose,R.O'Shea,R.lin,A.Long,DWall,S.De,J.Dmurphy, Evaluation of a biomethane, food and biofertiliser polygeneration system in a circular economy system, Renewable and Sustainable Energy Reviews, 2022, 170, DOI: 10.1016/j.rser.2022.112960
- 334. Siddhant Dash & Ajay S. Kalamdhad, Development of function-specific indices for assessing water quality based on the proposed modifications of the expected conflicts on existing information entropy weights ,Environmental Monitoring and Assessment volume, 2022 , 194, 895, DOI: 10.1007/s10661-022-10634-3
- 333. Priyanka S, Chaos Follow The Leader Algorithm: Application to Data Classification, Journal of Computational Science (Elsevier), 2022, Just Accepted
- 332. Priyanka S, Prannoy Tugiti, Marella Hima Manikanta, Bhavana Yedlapalli, Abhishree Pappusetty Color Image Retrieval Method using Low Dimensional Salient Visual Feature Descriptors for IoT Applications, Computational Intelligence and Neuroscience Journal, 2022, Just Accepted
- 331. Ranjit Thapa, Narad Barman, K. A. Sreeraj, K. Namsheer, Chandra Sekhar Rout CrSe2/Ti3C2 MXene 2D/2D Hybrids as a Promising Candidate for Energy Storage Applications, sustainable Energy & Fuels, 2022, DOI: 10.1039/D2SE01122K
- 330. K. Sreeraj, Narad Barman, Suthara Radhakrishnan, Ranjit Thapa, Chandra Rout, Hierarchical Architecture of Metallic VTe2/Ti3C2Tx MXene Heterostructure for Supercapacitor Applications, Journal of Materials Chemistry A,2022, Just Accepted, DOI: 10.1039/D2TA05904E
- 329. Rajendra Prasad Nayak, Srinivas Sethi, Sourav Kumar Bhoi, Kshira Sagar Sahoo & Anand Nayyar, ML-MDS: Machine learning based misbehavior detection system for cognitive software-defined multimedia VANET (CSDMV) in Smart Cities, Multimedia Tools and applications, 2022, Just Accepted, DOI: 10.1007/s11042-022-13440-8
- 328. Randhir Kumar, A Blockchain-Orchestrated Deep Learning Approach for Secure Data Transmission in IoT-Enabled Healthcare System, Parallel and Distributed Computing, 2022, Just Accepted,
- 327. Nimai Mishra,Syed Akhil ,Subarna Biswas ,Manoj Palabathuni,Rahul Singh, Amine-Free Synthetic Route: An Emerging Approach to Making High-Quality Perovskite Nanocrystals for Futuristic Application, The Journal of Physical Chemistry Letters, 2022, 13, 9480–9493,DOI: 10.1021/acs.jpclett.2c02403



- 326. Sudhakar Tummala, Seifedine Kadry , Syed Ahmad Chan Bukhari , Hafiz Tayyab Rauf, Classification of Brain Tumor from Magnetic Resonance Imaging using Vision Transformers Ensembling, Current Oncology, 2022, 29(10), 7498-7511, DOI: 10.3390/curroncol29100590
- 325. Ramendra Sundar Dey,Ranjit Thapa,Ashmita Biswas, Samadhan Kapse, Oxygen functionalization-induced charging effect on boron active sites for high-yield electrochemical NH3 production, Nano-Micro Letters,2022, Just Accepted
- 324. Priyanka Singh, Influencer Buddy Optimization: Algorithm and its application to electricity load and price forecasting problem, Energy journal, 2022, Just Accepted
- 323. Archishman Bose, Richard O'Shea, Richen Lin, Aoife Long, Karthik Rajendran, David Wall, Sudipta De, Jerry D. Murphy, The marginal abatement cost of co-producing biomethane, food and biofertiliser in a circular economy system, Renewable and Sustainable Energy Reviews, 2022, 169, DOI:10.1016/j.rser.2022.112946
- 322. AhmadKhalilullah,KaifeeSayeed,ImranUddin, Bioinspired GO/Au nanocomposite synthesis: Characteristics and use as a high-performance dielectric material in nanoelectronics, South African Journal of Botany,2022,151,66-73,DOI: 10.1016/j.sajb.2022.09.038
- 321. Vanitha Patnala, Bhargavi Manupati, Satish Anamanlamudi, Inbarasan Muniraj and Salla Gangi Reddy, Augmenting data security: Physical Unclonable Functions for Linear Canonical Transform based cryptography, Applied Physics B, 2022, 128, DOI: 10.1007/s00340-022-07901-z
- 320. Syed Akhil ,Nimai Mishra, In situ synthesis of high quantum efficiency and stable bromide-based blue-emitting perovskite nanoplatelets, The Royal Society of Chemistry , 2022, Just Accepted
- 319. SheikHaseena,M.V.Jyothirmai,MaheshKumar Ravva, Rational design of fused-ring based non-fullerene acceptors for high performance organic solar cells, Solar Energy , 2022, 242, 201-211, DOI: 10.1016/j.solener.2022.07.011
- 318. Kunchanapalli Ramya, Sabyasachi Mukhopadhyay & Mahesh Kumar Ravva, A DFT Study on the Relationship Between Molecular Structure and Electron Transport in Molecular Junctions, Journal of Electronic Materials, 2022, Just Accepted, DOI: 10.1007/s11664-022-09861-8
- 317. Rajagopal Pothikumar, Chandrasekaran Sivaraj, Kayambu Giridharan, Mahesh Kumar Ravva, and Kayambu Namitharan, "Stereoselective Addition of Alkynes to Ketenimines: Copper/Amine Catalyzed Sulfonyl Azide—Alkyne Cycloaddition Reactions for the Synthesis of (Z)-1,3-Enynes, Organic Letters, 2022, 24, 4310-4315, DOI: 10.1021/acs.orglett.2c01180
- 316. Amit Kumar Mandal, Rudra Krishna Srija, Agostino Cortesi, A Lightweight Mutual and Transitive Authentication Mechanism for IoT Network, Ad Hoc Networks, Elsevier, 2022, Just Accepted, DOI: 10.1016/j.adhoc.2022.103003
- 315. Morampudi Mahesh Kumar,V. Dinesh Reddy, Image Description Generator using Residual Neural Network and Long-Short Term Memory, Computer Science Journal of Maldova, 2022, Just Accepted
- 314. Deepak Kachave, Aurobindo Behera, Subhankar Ghatak, Frequency Stability Analysis of Multi-renewable Source System with Cascaded PDN-FOPI Controller, Sustainability, 2022, Just Accepted
- 313. Santosh Kumar, Rishab Nagar, Saumya Bhatnagar, Ramesh Vaddi, Sachin Kumar Gupta, Mamoon Rashid, Ali Kashif Bashir, Tamim Alkhalifah, Chest X Ray and Cough Sample based Deep



Learning Framework for Accurate Diagnosis of COVID-19, Journal of Computers and Electrical Engg, 2022, 103, DOI: 10.1016/j.compeleceng.2022.108391

- 312. Raghava R. Gundala, Nishad Nawaz, Harindranath R M, Kirubaharan Boobalan, Vijaya Kumar Gajenderan, Does Gender Moderate the Purchase Intention of Organic Foods? Theory of Reasoned Action, Heliyon, 2022, 8, DOI:10.1016/j.heliyon.2022.e10478
- 311. DivyaChaturvedi,ArvindKumar,Ayman A.Althuway, A Dual-Band Dual-Polarized SIW Cavity-Backed Antenna-Duplexer for Off-body Communication, AEJ Alexandria Engineering Journal, 2022, Just Accepted, DOI: 10.1016/j.aej.2022.09.021
- 310. Maddi Yasaswini Venkata Sai Bhavyasri, Lalita Mohan Mohapatra, Financial performance analysis of selected Indian pharmaceutical companies during COVID-19 outbreak, Building Resilient Organizations: Predicaments and Prospects, 2022, Just Accepted
- 309. ManiPreeyanghaa ,E.S.Erakulan, RanjitThapa, Muthupandian ,Ashokkumar ,Bernaurdshaw Neppolian, Scrutinizing the Role of Tunable Carbon Vacancies in g-C3N4 Nanosheets for Efficient Sonophotocatalytic Degradation of Tetracycline in Diverse Water Matrices: Experimental study and theoretical calculation, Chemical Engineering Journal, 2022, 452, DOI: 10.1016/j.cej.2022.139437
- 308. Ravi Kumar, Yi Xiong, Jiao Gu, Security analysis on an interference-based optical image encryption scheme, Applied Optics, 2022, Just Accepted
- 307. Shoji D. Thottathil, Paula C. J. Reis, T. Prairiem, Variability and controls of stable carbon isotopic fractionation during aerobic methane oxidation in temperate lakes, Frontiers in Environmental Science, 2022, Just Accepted, DOI: 10.3389/fenvs.2022.833688
- 306. Ranjit Thapa, Samadhan Kapse, Narad Barman, Identification of ORR Activity of Random Graphene-Based Systems Using the General Descriptor and Predictive Model Equation, CARBON, 2022, 201, 703-711, DOI: 10.1016/j.carbon.2022.09.059
- 305. Javid Ahmad Dar, Subashree Kothandaraman, Pramod Kumar Khare, Mohammed Latif Khan, Sacred groves of Central India: Diversity status, carbon storage, and conservation strategies, Biotropica, 2022, Just Accepted, DOI: 10.1111/btp.13157
- 304. Sampa RaniBhadra, Ashok Kumar Pradhan, Utpal Biswas, Dynamic Multicasting using Traffic Grooming in WDM Optical Split Light Trail Networks, Optical Switching Networks, 2022, Just Accepted, DOI: 10.1016/j.osn.2022.100718
- 303. Arghya Chakravarty, Chitralekha Mahanta, Wei Wang, Indrani Kar, A switching free multiple model approach to adaptive FTC of non-Lipschitz nonlinear uncertain systems under persistent actuator failures, IFAC Journal of Systems and Control, 2022, 21, DOI: 10.1016/j.ifacsc.2022.100201
- 302. Srianish Vutukuri, Arghya Chakravarty, Radhakant Padhi, Time-varying Quaternion Constrained Attitude Control Using Barrier Lyapunov Function, ICARCV 2022, Singapore, 2022, Just Accepted
- 301. M Sharfuddin, T Ragunathan, IMPROVING PERFORMANCE OF CLOUD STORAGE SYSTEMS USING SUPPORT-BASED REPLICATION ALGORITHM, Journal of Harbin Institute of Technology, 2022, Just Accepted
- 300. Madhusmita Sahu, Rasmita Dash, Sambit Kumar Mishra & Deepak Puthal, A Smart Logistic Classification Method for Remote Sensed Image Land Cover Data, SN Computer Science, 2022, Just Accepted, DOI: 10.1007/s42979-022-01378-5



- 299: Udhika Meghana Kotha, Haveela Gaddam, Deepthi Reddy Siddenki and Sumalatha Saleti, A Comparison of Various Machine Learning Algorithms and Execution of Flask Deployment on Essay Grading, International Journal of Electrical and Computer Engineering, 2022, Just Accepted
- 298. G. Devi, M.Kumar, A. Bhardwaj, A Review on Estimation Methods of Scour Depth Around Bridge Pier, River Dynamics and Flood Hazards: Studies on Risk and Mitigation, 2022, Just Accepted
- 297. Subhashree Swain, Jitendra Kumar Rout & Kshira Sagar Sahoo, Hybrid Approach to Prevent Accidents at Railway: An Assimilation of Big Data, IoT and Cloud, Advances in Machine Learning for Big Data Analysis. Intelligent Systems Reference Library, 2022, 189-222, DOI: 10.1007/978-981-16-8930-7 8
- 296. Shubham Suman, Sushruta Mishra, Kshira Sagar Sahoo, and Anand Nayyar, Vision Navigator: A Smart and Intelligent Obstacle Recognition Model for Visually Impaired Users, Mobile Information Systems, 2022, 4,1-15,DOI: 10.1155/2022/9715891
- 295. Debasis Mohapatra, Sourav Kumar Bhoi, Kalyan Kumar Jena, Chittaranjan Mallick, Kshira Sagar Sahoo, N. Z. Jhanjhi and Mehedi Masud, Core-based Approach to Measure Pairwise Layer Similarity in Multiplex Network, Intelligent Automation and Soft Computing, 2022, 34(1), 51-64, DOI: 10.32604/iasc.2022.024561
- 294. Sriramulu Bojjagani,Y. C. A. Padmanabha Reddy,Thati Anuradha,P. V. Venkateswara Rao,B. Ramachandra Reddy,Muhammad Khurram Khan, Secure Authentication and Key Management Protocol for Deployment of Internet of Vehicles (IoV) Concerning Intelligent Transport Systems, IEEE Transactions on Intelligent Transport Systems, 2022, 1-16, DOI: 10.1109/TITS.2022.3207593
- 293. Arvind Kumar,Ayman A. Althuwayb,Divya Chaturvedi,Rajkishor Kumar,Farnaz Ahmadfard, Compact Planar Magneto-Electric Dipole-like Circularly Polarized Antenna, IET Communications,2022, Just Accepted, DOI: 10.1049/cmu2.12499
- 292. Aehsan Ahmad Dar , Sibnath Deb , Manzoor Hassan Malik , Waheeda Khan , Ayesha Parveen Haroon , Amra Ahsan , Farhat Jahan , Bushra Sumaiya , Shaheen Yawar Bhat , Dhamodharan M , Mohamad Qasim, Prevalence of Adverse Childhood Experiences (ACEs) among young adults of Kashmir, Child Abuse & Neglect, 2022, 134, DOI: 10.1016/j.chiabu.2022.105876
- 291. Sachin, Ravi Kumar, Phool Singh, Multiuser optical image authentication platform based on sparse constraint and polar decomposition in Fresnel domain, Physica Scripta, 2022, 97(11), DOI:10.1088/1402-4896/ac925d
- 290. Venkata Ramireddy, Crestian Almazan Agustin, Cheng-Kai Lin, Jung-Chieh Chen, A Modulated Dual-Voltage-Vector Model-Free Predictive Current Controller for Synchronous Reluctance Motor Drives with Online Duty Cycle Calculation, IEEE Access, 2022, 10, 97856 97867, DOI: 10.1109/ACCESS.2022.3206386
- 289. M. Thurai Pandian, Kuldeep Chouhan, B. Muthu Kumar, Jatindra Kumar Dash, N. Z. Jhanjhi ,Ashraf Osman Ibrahim ,Anas W. Abulfaraj, Improving Efficiency of Large RFID Network Using Clustered Method: A Comparative Analysis, Electronic, 2022, 11, DOI: 10.3390/electronics11182968
- 288. Soni Wadhwa, Amartya Sen's Home in the World: A Memoir, South Asia Research, 2022, 42, DOI: 10.1177/02627280221119652



- 287. AkshayDevikar,DipakBhosale,K.Georgy,ManasMukherjee,G.S.Vinod Kumar, Effect of Beryllium on the stabilization of Mg-3Ca alloy foams, Materials Science and Engineering B, 2022, 286, DOI: 10.1016/j.mseb.2022.116007
- 286. Akshay Devikar, Biswaranjan Muduli, Manas Mukherjee & G. S. Vinod Kumar, Stabilization and Mechanical Properties of Mg-3Ca and Mg-3Ca/SiC/5p foams alloyed with Beryllium, Journal of Materials Engineering Performance, 2022, Just Accepted, DOI: 10.1007/s11665-022-07369-0
- 285. Syed Akhil ,Manoj Palabathuni ,Subarna Biswas,Rahul Singh,Nimai Mishra, Highly-Stable Amine-Free CsPbBr3 Perovskite Nanocrystals for Perovskite-Based Display Applications, ACS Applied Nano Materials, 2022, 5, 13561–13572, DOI: 10.1021/acsanm.2c03257
- 284. Suchismita Banerjee, Soumyajyoti Biswas, Bikas K. Chakrabarti, Sai Krishna Challagundla, Asim Ghosh, Suhaas Reddy Guntaka, Hanesh Koganti, Anvesh Reddy Kondapalli, Raju Maiti, Manipushpak Mitra, Dachepalli R. S. Ram, Evolutionary Dynamics of Social Inequality and Coincidence of Gini and Kolkata indices under Unrestricted Competition, International Journal of Modern Physics C, 2022, Just Accepted, DOI: 10.48550/arXiv.2111.07516
- 283. Kushal Pokhrel, Nitul Dutta, Mrinal K. Ghose & Hiren Kumar Deva Sarma, Performance Evaluation of Three Layer MIPv6 Architecture, Wireless Personal Communications, 2022, Just Acceptted, DOI: 10.1007/s11277-022-09999-y
- 282. Crescentia Yazhini, Jithin Rafi, Paromita Chakraborty, Samadhan Kapse, Ranjit Thapac,
- Neppolian, Inner Filter Effect on Amino-Functionalized Metal-Organic Framework for the Selective Detection of Tetracycline, Journal of Cleaner Production, 2022, 373, DOI: 10.1016/j.jclepro.2022.133929
- 281. Sandeep Kumar Verma, Akhilesh Prasad, Product of pseudo-differential operators associated with zero order Mehler-Fock transform, International Journal of Applied and Computational Mathematics, 2022, Just Accepted, DOI: 10.1007/s40819-022-01440-z
- 280. Ashok Sharma, Ravindra Parshuram Bachate, Parveen Singh, Vinod Kumar, Ravi Kant Kumar, Amar Singh, Madan Kadariya, Parallel Big Bang-Big Crunch-LSTM Approach for developing a Marathi Speech Recognition System, Mobile Information Systems Journal, 2022, 2022, 1-11, DOI: 10.1155/2022/8708380
- 279. Hemantha Kumar Kalluri, Sajja Tulasi Krishna, Automatic COVID-19 Diagnosis System Based on Deep Convolutional Neural Networks, Traitement du Signal, 2022, 1203-1211, DOI:10.18280/ts.390412
- 278. Baswanth Oruganti, Jun Wang, and Bo Durbeej, Modulating the Photocyclization Reactivity of Diarylethenes through Changes in the Excited-State Aromaticity of the π -Linker, Journal of Organic Chemistry, 2022, 87,11565-11571, DOI: 10.1021/acs.joc.2c01172
- 277. Sobin CC,Sai Krishna Vishnumolakala,Sadwika Vallamkonda, UROP/Capstone project, 4th International Conference on Machine Learning, Image Processing, Network Security and Data Sciences (MIND-2022), 2022, Just Accepted
- 276. Ghanshyam Pandey, Jagriti Jaiswal, and Seema Kumari, Impact Analysis of Institutional Credit on Agricultural Output, Indian Journal of Economics and Development, 2022, 18, 700-706, DOI: 10.35716/IJED/22213



- 275. S.Vivekanandan Manojkumar, V. N. Sastry & U. Srinivasulu Reddy, security, Privacy Challenges and Solutions for Various Applications in Blockchain Distributed Ledger for Wireless-Based Communication Networks, Al and Blockchain Technology in 6G Wireless Network, 2022, 117-133, DOI: 10.1007/978-981-19-2868-0_6
- 274. Udaya Sankar, Yellampalli Siva Sankar, Gayathri Lakshmi, A Review of various defects in PCB, Journal of Electronic Testing: Theory and Applications, 2022, Just Accepted, DOI: 10.1007/s10836-022-06026-7
- 273. Sambit Kumar Mishra, Tapas Kumar Mishra, Kotipalli Sindhu, Mogaparthi Surya Teja, Vutukuri Akhil, Ravella Hari Krishna and Pakalapati Praveen, Applications of Federated Learning in Computing Technologies, Convergence of Cloud with Al for Big Data Analytics: Foundations and Innovation, 2022, Just Accepted
- 272. Pradyut Kumar Sanki,PNSBSV Prasad V, In Vivo Detection of Random Blood Glucose Level in a Non-Invasive Manner using Photoacoustic Signal and Body Mass Index, International Diabetes Federation, 2022, Just Accepted
- 271. M. S. S. R. Tejaswini, Pankaj Pathak, Sankar Ganesh Palani & Prangya Ranjan Rout, Valorization of Solid Waste from Landfill Activities, Circular Economy in Municipal Solid Waste Landfilling: Biomining & Leachate Treatment, 2022, 219-233, DOI: 10.1007/978-3-031-07785-2_10
- 270. GopaNandikes,PankajPathak,Abdul SyukorAbdRazak, Vigneswaran Narayanamurthy, LakhveerSingh, Occurrence, environmental risks and biological remediation mechanisms of Triclosan in wastewaters: Challenges and perspectives, Journal of Water Process Engineering, 2022, 49, DOI: 10.1016/j.jwpe.2022.103078
- 269. Pankaj Pathak, Sankar Ganesh Palani, Circular Economy in Municipal Solid Waste Landfilling: Biomining & Leachate Treatment, Sustainable Solid Waste Management: Waste to Wealth, 2022, 267, DOI: 10.1007/978-3-031-07785-2
- 268. Kilari Jyothsna Devi ,Priyanka Singh ,Jatindra Kumar Dash ,Hiren Kumar Thakkar ,José Santamaría ,Musalreddy Venkata Jayanth Krishna,Antonio Romero-Manchado, A New Robust and Secure 3-Level Digital Image Watermarking Based on G-BAT Hybrid Optimization, Mathematics Journal, 2022, 10(16), DOI: 10.3390/math10163015
- 267. Murali Krishna Enduri, Udayasankar, Koduru Hazarathaiah, Empirical Study on Citation Count Prediction of Research Articles, Journal of Scientometric Research, 2022, 11,2,155-163, DOI: 10.5530/jscires.11.2.17
- 266. Samadhan Kapse, Ranjit ThapaK. Namsheer, Samadhan Kapse, Mridula Manoj, Ranjit Thapa, Chandra Sekhar Rout, Sustainable Energy & Fuels, 2022, 6, 4285-4298, DOI: 10.1039/D2SE00815G
- 265. Ghanshyam Pandey, Joshi, Pramod KumarRoy, DeveshPandey,Birthal, Pratap Singh, Transformation and Sources of Growth in Southeast Asian Agriculture, Southeast Asian Economies, 2022, Just Accepted
- 264. Partha Bhattacharjee, Haleema Badar, "Interview with Ikroop Sandhu", Journal of Graphic Novels and Comics, 2022, Just Accepted, DOI: 10.1080/21504857.2022.2109705



- 263. Vanshree Parey, B. Moses Abraham, Neeraj K. Gaur, and Ranjit Thapa, First-Principles Study of Two-Dimensional B-Doped Carbon Nanostructures for Toxic Phosgene Gas Detection, ACS Applied Nano Materials, 2022, 5,9, 12737–12745, DOI: 10.1021/acsanm.2c02623
- 262. Adarsh Kumar, Tripti, Deep Raj , Subodh Kumar Maiti, Maria Maleva, Galina Borisova, Soil Pollution and Plant Efficiency Indices for Phytoremediation of Heavy Metal (loid)s: Two-Decade Study (2002–2021), Metals, 2022, 12(8), DOI: 10.3390/met12081330
- 261. Pranab Mandal,KN Malleswari,P. Tulasirao, A measurement set-up for characterization of temperature dependence of impedance, dielectric permittivity, and pyroelectric current under controlled environment, Journal of Electronic Materials, 2022, Just Accepted,DOI: 10.1007/s11664-022-09875-2
- 260. Pradyut Kumar Sanki, Vemuru Purrna Prasad, Syed Ali Hussain, Vasudeva Bevara, Design of an Efficient QCA based Median Filter with Energy Dissipation Analysis, The Journal of Supercomputing, 2022, Just Accepted, DOI: 10.1007/s11227-022-04780-1
- 259. Aditya Sharma, Samadhan Kapse, Ankur Verma, Sagar Bisoyi, Gopal K. Pradhan, Ranjit Thapa, Chandra Sekhar Rout, All-solid-state Supercapacitor Based on Advanced 2D Vanadium disulfide/Black Phosphorus Hybrids for Wearable Electronics, ACS Applied Energy Materials, 2022, 5, 8, 10315–10327, DOI: 10.1021/acsaem.2c02116
- 258. Samadhan Kapse, Shobhana Narasimhan, Ranjit Thapa, Descriptors and graphical construction for in silico design of efficient and selective single atom catalysts for eNRR, Chemical Science, 2022, 13, 10003-10010, DOI: 10.1039/D2SC02625B
- 257. Asim Ghosh, Soumyajyoti Biswas, Bikas K. Chakrabarti, Success of Social Inequality Measures in Predicting Critical or Failure Points in Some Models of Physical Systems, Frontiers in Physics, 2022, Just Accepted, DOI: "10.48550/arXiv.2207.04276
- 256. Anirban Ghosh,Naga Srinivasarao Chilamkurthy ,OM JEE PANDEY,LINGA REDDY CENKERAMADDI,HONG-NING DA, Low-Power Wide-Area Networks: A Broad Overview of its Different Aspects, IEEE Access journal, 2022, 10, 81926 81959, DOI:10.1109/ACCESS.2022.3196182
- 255. Aehsan Ahmad Dar, Sibnath Deb, Samarjit Kar, Shayana Deb, Sanjib Biswas, Tusharika Mukherjee, A Cross-Sectional Study on Mental Health of School Students during the COVID-19 Pandemic in India, Journal of Data, 2022, 7(7), 99, DOI: 10.3390/data7070099
- 254. Poongavanam Ganesh Kumar,V.S.Vigneswaran, K.Balaji,S.Vinothkumar, RajendranPrabakaran, D.Sakthivadivel,M.Meikandan,Sung ChulKim, Augmented v-corrugated absorber plate using shotblasting for solar air heater Energy, Exergy, Economic, and Environmental (4E) analysis, Environmental Protection journal, 2022, 165, 514-531, DOI: 10.1016/j.psep.2022.07.036
- 253. Siddhant Dash,Ajay S.Kalamdhad, Systematic bibliographic research on eutrophication-based ecological modelling of aquatic ecosystems through the lens of science mapping, Ecological Modelling, 2022, 472, DOI: 10.1016/j.ecolmodel.2022.110080
- 252. M Karthikeyan, Durga Madhab Mahapatra, Abdul Syukor Abd Razak, Abdulaziz A.M. Abahussain, Baranitharan Ethiraj & Lakhveer Singh, Machine Learning Aided Synthesis and Screening of HER Catalyst: Present Developments and Prospects, Catalysis Reviews, 2022, Just Accepted, DOI: 10.1080/01614940.2022.2103980



- 251. ShaikRajak,PoongundranSelvaprabhu,SunilChinnadurai,A.S.M. SanwarHosen, Aldosary Saad, AmrTolba, Energy Efficient MIMO-NOMA aided IoT Network in B5G Communications, Computer Networks,2022, 216, DOI: 10.1016/j.comnet.2022.109250
- 250. Priyanka s,Kirtirajsinh Zala,Hiren Kumar Thakkar,Ketan Kotecha,Madhu Shukla, PRMS: Design and Development of Patients' E-Healthcare Records Management System for Privacy Preservation in Third Party Cloud Platforms,IEEE Access journal, 2022,10, 85777 85791,DOI:10.1109/ACCESS. 2022.3198094
- 249. Soumyajyoti Biswas, Diksha, Prediction of imminent failure using supervised learning in a fiber bundle model, Physical Review E, 2022, 106(2-2), DOI: 10.1103/PhysRevE.106.025003
- 248. Sudhindra Nath Panda, Uday Mandal, Anirban Dhar, Dipaka R. Sena, Spatiotemporal evaluation and assessment of shallow groundwater quality for irrigation of a tropical coastal groundwater basin, Environmental Science and Pollution Research, 2022, Just Accepted, DOI: 10.1007/s11356-022-22266-8
- 247. Ekta Srivastava, Bharadhwaj Sivakumaran, Satish S. Maheswarappa & Justin Paul, Nostalgia: A Review, Propositions, and Future Research Agenda, Journal of Advertising, 2022, Just Accepted, DOI: 10.1080/00913367.2022.2101036
- 246. Shoji D Thottathil, Paula C. J. Reis, and Yves T. Prairie, Magnitude and Drivers of Oxic Methane Production in Small Temperate Lakes, Environmental Science & Technology, 2022, 56, 15, 11041–11050, DOI: 10.1021/acs.est.2c01730
- 245.YuwenZhou,VinayKumar,ShararehHarirchi,V.S.Vigneswarand,KarthikRajendran,PoojaSharma,Ye nWahTong,ParameswaranBinod,RaveendranSindhuMSurendraSarsaiya,DeepanrajBalakrishnan,M.M ofijur,ZengqiangZhang,Mohammad J.Taherzadeh,MukeshKumar Awasthi, Recovery of value-added products from biowaste: A review, Bioresource Technology, 2022, 360, DOI: 10.1016/j.biortech.2022.127565
- 244.MukeshKumarAwasthi,ShararehHarirchi,TanerSarbVigneswaranVS,KarthikRajendran,RicardoGó mezGarcía,CoralieHellwig,ParameswaranBinod,RaveendranSindhu,AravindMadhavan,A.N. AnoopKumar,VinodKumar,DeepakKumar,ZengqiangZhang,Mohammad J.Taherzadeh, Mycobiorefinery approaches for food waste valorization: Present status and future prospects, Bioresource Technology,2022, 360, DOI: 10.1016/j.biortech.2022.127592
- 243. Vanitha and Gangi Reddy,Ravindra Pratap Singh, Correlations in Scattered Phase Singular Beams, Holography: Recent Advances and Applications, 2022, Just Accepted,DOI: 10.5772/intechopen.106484
- 242. Pankaj Pathak, Tejaswini MSSR, D.K. Gupta, Sustainable approach for valorization of solid wastes as a secondary resource through urban mining, Journal of Environmental Management, 2022, 319, DOI: 10.1016/j.jenvman.2022.115727
- 241. Imran Uddin, Abu Baker, Mohammad Khalid, Mohd Sajid Khan, Targeted non-AR mediated smart delivery of abiraterone to the prostate cancer, PLoS ONE, 2022, Just Accepted, DOI: 10.1371/journal.pone.0272396
- 240. Ashok Kumar Pradhan, Shyamapada Mukherjee, Naresh Babu Muppalaneni, Sukriti Bhattacharya, Intelligent Systems for Social Good Theory and Practice, Advanced Technologies and Societal Change, 2022, Just Accepted, 10.1007/978-981-19-0770-8



- 239. Jatindra Kumar Das, Mandar Kale, Sudipta Mukhopadhyay, Efficient image retrieval system for textural images using fuzzy class membership, Multimedia Tools and Applications, 2022, Just Accepted, DOI: 10.1007/s11042-022-13529-0
- 238. Anirban Ghosh, Millimeter Wave Vehicular Communication: From Channel Sounding to Standardization, IEICE Society Conference Advanced Program, 2022, Just Accepted
- 237. Poongundran Selvaprabhu, Sunil Chinnadurai, Ilavarasan Tamilarasan, Rajeshkumar Venkatesan, Vinoth Babu Kumaravelu, Priority-Based Resource Allocation and Energy Harvesting for WBAN Smart Health, Wireless Communications and Mobile computing, 2022, Just Accepted, DOI: 10.1155/2022/8294149
- 236. Buela Pramodini, Divya Chaturvedi, and Goutam Rana, Design and Investigation of Dual-Band 2x2 Elements MIMO Antenna-Diplexer Based on Half-mode SIW, IEEE Access, 2022, 10, 79272-79280, DOI: 10.1109/ACCESS.2022.3193253
- 235. Venkatachalam, Praneash, Karra, Chanakya, Duru, Kamala Kumari, Maram, Pardha Saradhi, Madhavan, Asha Anish, Kalluri, Sujith, Challenges and Benchmarking in Scale-up of Ni-rich Cathodes for Sodium-ion Batteries, Journal of The Electrochemical Society, 2022, 169,7,DOI: 10.1149/1945-7111/ac8248
- 234. Manjesh kumar, Manas Das & Nan Yu, Surface roughness simulation during rotational magnetorheological finishing of poppet vavle profiles, nanomanufacturing and metrology,2022, 5(2):1-15, DOI:10.1007/s41871-022-00144-8
- 233. Subba Reddy T, Harikiran J, Enduri MK, Hajarathaiah K, Almakdi S, Alshehri M, Naveed QN, Rahman MH, Hyperspectral Image Classification with Optimized Compressed Synergic Deep Convolution Neural Network with Aquila Optimization, Computational Intelligence and Neuroscience, 2022, Just Accepted, DOI: 10.1155/2022/6781740
- 232. Jaya Lakshmi Tangirala, Lohith Ranganatha Reddy Kandula, Kalavathi Alla, Rohit Chivukula, An Intelligent Prediction of Phishing URLs Using ML Algorithms, International Journal of Safety and Security Engineering, 2022, 381-386, DOI: 10.18280/ijsse.120312
- 231. Jaya Lakshmi Tangirala, Shakir Khan ,V. Saravanan, Gnanaprakasam C. N , Nabamita Deb, ashwan Adnan Othman, Privacy Protection of Healthcare Data over Social Networks Using Machine Learning Algorithms, Computational Intelligence and Neuroscience, 2022, Just Accepted, DOI: 10.1155/2022/9985933
- 230. Dronavalli Krishna Tejaswi, Himanshi Chauhan, Jaya Lakshmi Tangirala, Rachakonda Swetha, Nallamothu Navya Sri, Investigation of Ethereum Price Trends using Machine learning and Deep Learning Algorithms, International Conference on Intelligent Technologies (CONIT), 2022, Just Accepted, DOI: 10.1109/CONIT55038.2022.9848000
- 229. Vinod Kumar, Gotam Singh Lalotra, Ravi Kant Kumar, Improving Performance of Classifiers for Diagnosis of Critical Diseases to Prevent COVID Risk, COMPUTERS & ELECTRICAL ENGINEERING, 2022, 102, DOI: 10.1016/j.compeleceng.2022.108236
- 228. Kshira Sagar Sahoo, Munesh Singh, Anand Nayyar, Sustainable IoT Solution for Freshwater Aquaculture Management, IEEE Sensors Journal, 2022, 22, 16563 16572, DOI: 10.1109/JSEN.2022.3188639



- 227. Radha Guha, Tole Sutikno, Natural Language Understanding Challenges for Sentiment Analysis Tasks and Deep Learning Solution, "International Journal of Informatics and Communication Technology (IJ-ICT), 2022, 11 pp. 247-256, DOI: 10.11591/ijict.v11i3.pp247-256
- 226. Madhukar E, Ragunathan T, GWOCSA Based Algorithm for Allocating Resources to the Tasks in the Cloud, Revue d'Intelligence Artificielle, 2022, 327-332, DOI: 10.18280/ria.360218
- 225. Arnab Mitra, A. Kundu, M. Chattopadhyay & A. Banerjee, An approach to detect fake profiles in Social Networks using Cellular Automata-based PageRank validation model involving energy transfer. Topical Issue of SN Computer Science: Social Data Science, Research Challenges and Future Directions. Springer Nature, 2022, 3,423, DOI: 10.1007/s42979-022-01315-6
- 224. Rajesh Yelchuri, Jatindra Kumar Dash, Priyanka Singh, Arunanshu Mahapatro, Sibarama Panigrahi, Exploiting deep and hand-crafted features for texture image retrieval using class membership, Pattern Recognition Letters, 2022, 160,163-171,DOI: 10.1016/j.patrec.2022.06.017
- 223. Ashu Abdul, et. Al, LWC: Efficient lightweight block ciphers for providing security to constrained devices a solution for iot devices, Journal of Theoretical And Applied Information Technology, 2022, Just Accepted
- 222. Sai Yasheswini Kandimalla, Dhara Mohana Vamsi, Samudrala Bhavani, V. M. Manikandan, Recent Methods and Challenges in Brain Tumor Detection using Medical Image Processing, Recent Patents on Engineering, Bentham Science Publishers, 2022, Just Accepted
- 221. Jahnavi Kolli, Sowmika Chaluvadi, V. M. Manikandan, Yu-Chen Hu, An Efficient Face Recognition System for Person Authentication with Blur Detection and Image Enhancement, International Conference on Sustainable Technology for Power and Energy Systems (STPES) organized by NIT Srinagar and IIT Jammu, 2022, Just Accepted
- 220. Ranjit Thapa,M. V. Jyothirmai, Role of Intrinsic Defects in Enhancing the Photo Absorption Capability of CuZn2AlSe4, ACS Omega, 2022, 7, 35, 31098–31105, DOI: 10.1021/acsomega.2c03223
- 219. MeenuSrivastava, Mahesh S.Jadhav, Chethana R.P.S, Chakradhar, Sheela Singh, Investigation of HVOF sprayed novel Al1.4Co2.1Cr0.7Ni2.45Si0.2Ti0.14 HEA coating as bond coat material in TBC System, Alloys and Compounds, 2022, 924, DOI: 10.1016/j.jallcom.2022.166388
- 218. Nimai Mishra ,Manoj Palabathuni,Syed Akhil,Rahul Singh, Charge Transfer in Photoexcited Cesium Lead Halide Perovskite Nanocrystals: Review of Materials and Applications, ACS Applied Nano Materials, 2022, 5, 8, 10097–10117, DOI: 10.1021/acsanm.2c01550
- 217. B Sreya, Lashmana Rao, SUSTAINABILITY OF ACADEMIC INSTITUTIONS AND HUMAN RESOURCES DURING THE PANDEMIC: A VISUALISATION FROM SELECT ACADEMIC INSTITUTIONS, AIB SOUTH ASIA, 2022, Just Accepted
- 216. Kunchanapalli Ramya, Sabyasachi Mukhopadhyay, Modulation of optoelectronic and mechanical properties across (bio) molecular junctions under external stimuli, Journal of Electronic Materials, 2022, Just Accepted
- 215. Kunchanapalli Ramya, Arindam Mondal, Mohit Tyagi, Satyajit Gupta, Sabyasachi Mukhopadhyay, Room-Temperature Cost-effective In-situ grown MAPbBr3 Crystals and their Characterization towards Optoelectronic Devices, Material Science and Engineering: B, 2022, 283, DOI: 10.1016/j.mseb.2022.115840



- 214. Debkumar Chakraborty, Sankar Ganesh Palani, M. M. Ghangrekar, N. Anand & Pankaj Pathak, Dual role of grass clippings as buffering agent and biomass during anaerobic co-digestion with food waste, Clean Technologies and Environmental Policy, 2022, Just Accepted, DOI: 10.1007/s10098-022-02355-5
- 213. D. Narayana Rao, Upper tropospheric warming and lower stratospheric cooling in response to global warming, Theoretical and Applied Climatology, 2022, Just Accepted
- 212. Anu Kuriakose, The Hetero- Normalisation of Transgender Identity: A Critique on Njan Marykkutty, Theory and the Transformative Humanities. Cambridge Scholars Publishing, UK,2022,Just Accepted
- 211. Nitesh Bharti, Mohit Kumar, V. M. Manikandan, A Hybrid System with Number Plate Recognition and Vehicle Type Identification for Vehicle Authentication at the Restricted Premises, International Conference on Emerging Frontiers in Electrical and Electronic Technologies (ICEFEET-2022), 2022, Just Accepted, DOI: 10.1109/ICEFEET51821.2022.9847975
- 210. Nikhila Korivi, Katla Sai Naveen, V. M. Manikandan, Computer-based Sentiment Analysis to Solve Real-world Societal Problems and Its Challenges, International Conference on Emerging Frontiers in Electrical and Electronic Technologies (ICEFEET- 2022), 2022, Just Accepted, DOI: 10.1109/ICEFEET51821.2022.9847714
- 209. Rahul Kottath and Priyanka Singh, A Meta-heuristic Learning Approach for Short-term Price Forecasting, In Soft Computing: Theories and Applications, 2022, 425, DOI: 10.1007/978-981-19-0707-4_15
- 208. Abhishek Kumar Tripathi, Neeraj Kumar Sharama, Jonnalagadda Pavan and Sriramulu Bojjagani, Output Power Prediction of Solar Photovoltaic Panel Using Machine Learning Approach, International Journal of Electrical and Electronics Research, 2022, Just Accepted
- 207. Sricharan Muttineni, Siddhesh Yerramneni, Bharath Chandra Kongara, Gowtham Venkatachalam, Rajiv Senapati, An Interactive Interface for Patient Diagnosis using Machine Learning Model, IEEE International Conference on Emerging Frontiers in Electrical and Electronic Technologies (ICEFEET- 2022), 2022, Just Accepted, DOI: 10.1109/ICEFEET51821.2022.9848074
- 206. G S K Ganesh Prasad, A. Ajay Chowdari, Kaligithi Pritham Jona, Rajiv Senapati, Detection of CKD from CT Scan images using KNN algorithm and using Edge Detection, IEEE International Conference on Emerging Frontiers in Electrical and Electronic Technologies (ICEFEET- 2022), 2022, Just Accepted, DOI: 10.1109/ICEFEET51821.2022.9848173
- 205. Anirban Ghosh, Naga Srinivasarao Chilamkurthy, Priya Ranjan, Rajiv Janardhanan, Pooja Ramakant and Richa Gulati, Binary Classification of Mammograms using Horizontal Visibility Graph, Springer Lecture Notes in Electrical Engineering, 2022, Just Accepted
- 204. Anirban Ghosh, Dheeraj Gummadi, Deep Residual Learning based Discriminator for Identifying Deepfakes with Cut-Out Regularization, IEEE AIC, 2022, Just Accepted, DOI: 10.1109/AIC55036.2022.9848964
- 203. Vineela Chandra Dodda, Lakshmi Kuruguntla, Karthikeyan E, Seismic Horizon Estimation Based on Deep Learning Technique, ECS Transactions, 2022, 107,1,DOI: 10.1149/10701.11449ecst
- 202. Sunil Chinnadurai, A patch based denoising approach using under-complete autoencoder for photons counted 3D images, Imaging and Applied optics, Canada, 2022, Just Accepted



- 201. Anirban Ghosh, Pavan Mohan, Sunil Seggu, Analysis of Eucalyptus Regnans Form Characteristics, IEEE CSNT, 2022, Just Accepted, DOI: 10.1109/CSNT54456.2022.9787575
- 200. Anirban Ghosh, Dheeraj Gummadi, Yeshwanth Vootla, Transfer Learning based Classification of Plasmodium Falsiparum Parasitic Blood Smear Images, IEEE ISDFS, 2022, Just Accepted, DOI: 10.1109/ISDFS55398.2022.9800796
- 199. Anirban Ghosh, Tanishq Chebrolu, VMVS Aditya, A Wearable Smart Face Shield, IEEE CONIT, 2022, Just Accepted, DOI: 10.1109/CONIT55038.2022.9848082
- 198. Ayman A. Althuwayb, Divya Chaturvedi & Arvind Kumar, Substrate integrated waveguide (SIW) cavity-backed slot antenna with monopole-like radiation for vehicular communications, Applied Physics A, 2022, Just Accepted, DOI: 10.1007/s00339-021-05203-3
- 197. Ayman A. Althuwayb, Divya Chaturvedi, Substrate integrated waveguide based cavity-backed bowtie-slot antenna-triplexer, Applied Physics A, 2022, Just Accepted, DOI: 10.1002/mmce.22965
- 196. B. Vamsi Krsihna, G. Anith Chowdary, S. Ravi, Kunduru Venkat Reddy, K. R. Kavitha, Asisa Kumar Panigrahy & M. Durga Prakash, "Tunnel Field Effect Transistor Design and Analysis for Biosensing Applications", Silicon journal, 2022, Just Accepted, DOI: 10.1007/s12633-022-01815-3
- 195. B. Vamsi Krsihna, A. Gangadhar, S. Ravi, D. Mohan, Asisa Kumar Panigrahy, V. Raja Rajeswari & M. Durga Prakash, A Highly Sensitive Graphene-based Field Effect Transistor for the Detection of Myoglobin, Silicon journal, 2022, Just Accepted, DOI: 10.1007/s12633-022-01790-9
- 194. Sateeshkrishna Dhuli , Fouzul Atik, Firdoshi Parveen, and Om Jee Pandey, Performance Analysis of Consensus Algorithms over Prism Networks Using Laplacian Spectra, IEEE Networking Letters, 2022, 4,3, DOI: 10.1109/LNET.2022.3181203
- 193. Sudha Vani Yamani, N. Usha Rani, Ramesh Vaddi, Design and Performance Benchmarking of Hybrid Tunnel FET/STT-MTJ-Based Logic In-Memory Designs for Energy Efficiency, IEEE Transactions on Magnetics, 2022, 58, 4, 1-11, DOI: 10.1109/TMAG.2022.3141873.
- 192. Ram Prakash, Bhamidi Lokeshgupta and S. Sivasubramani, Reliability Improvement of a Radial Distribution System Considering Load Modelling and Energy Management, IEEE Second International Conference on Power, Control and Computing Technologies ICPC²T 2022, 2022, Just Accepted, DOI: 10.1109/ICPC2T53885.2022.9777038
- 191. Bhamidi Lokeshgupta, S Sivasubramani, Dynamic Economic and Emission Dispatch with Renewable Energy Integration Under Uncertainties and Demand Side Management, Electrical Engineering Journal (Springer), 2022, 104, pages2237–2248, DOI: 10.1007/s00202-021-01476-2
- 190. K.Phani Sri Rahul, P.Sundeep Kumar, Mounika. K, Tarkeshwar Mahto, Ramanjaneya Reddy, Uninterrupted Multi-output DC-AC Power Supply with Independent Output Voltage Regulation, IEEE 3rd international conference of emerging technologies, 2022, Just Accepted, DOI: 10.1109/INCET54531.2022.9824101
- 189. Tousif Khan Nizami, Sasank Das, Ramanjaneya Reddy, Harsh Dhiman, Legendre Neural Network based Intelligent Controller of DC-DC Step Down Converter-PMDC Motor Combination, IFAC-PapersOnLine, Elsevier, 2022, 55,162-167, DOI: 10.1016/j.ifacol.2022.04.027



- 188. P. Manoj Sai, Nithin Sai, Tousif Khan Nizami, B. Puja Manohari, P. Gopi Krsihna, Fast Battery Charging Scheme for Li-Ion Batteries, 6th international conference on Soft Computing Theories and Applications (SoCTA 2021), 2022, Just Accepted
- 187. Dishita Neve, Sparsh Joshi, Harsh S. Dhiman & Tousif Khan Nizami, Global Horizontal Solar Irradiance Forecasting based on Data-Driven and Feature Selection Technique, 6th international conference on Soft Computing Theories and Applications (SoCTA 2021), 2022, 425, DOI: 10.1007/978-981-19-0707-4_74
- 186. P. Manoj Sai, M Dhana Sai Baji, Shubh Lakshmi and Tousif Khan Nizami, Exhaustive Search Approach to Place PV in Distribution Networks for Power Loss Minimization, 6th international conference on Soft Computing Theories and Applications, 2022, 425, 815–824, DOI: 10.1007/978-981-19-0707-4_73
- 185. Swethaashri S.R., G. Sreenivasan, V. Srinivasan, R. Makam, and K. George, Enhancing the capabilities of mutual adaptation with adaptive switching, IFAC-PapersOnLine, Elsevier, 2022, 55,82-87, DOI: 10.1016/j.ifacol.2022.04.014
- 184. Somesh Vinayak Tewari, Surender Kumar Sharma , Archana Sharma , Simulation of the particle nature in a compact IEC system using PIC technique, DAE -BRNS International Symposium on Vacuum Science Technology and its Application in Accelerators, 2022, Just Accepted
- 183. R. Makam and K. George, Convex combination of multiple models for discrete-time adaptive control, International Journal of Systems Science, 2022, 53,4,743-756, DOI: 10.1080/00207721.2021.1972355
- 182. Surender Kumar Sharma, Obaid Siddiqui, Somesh Vinayak Tewari, JMVVS Aravind, Kiran Kumar G, and Archana Sharma, Design and Development of Triggered Vacuum Switch for Capacitor Discharge Applications, DAE -BRNS International Symposium on Vacuum Science Technology and its Application in Accelerators, 2022, Just Accepted
- 181. Surender Kumar Sharma, Kiran Kumar G,Somesh Vinayak Tewari,Sathi babu,Balu Nayak, Rishi Verma and Archana Sharma, Compact Portable Cylindrical Inertial Electrostatic Confinement Neutron Source for Activation Analysis, DAE -BRNS International Symposium on Vacuum Science Technology and its Application in Accelerators, 2022, Just Accepted
- 180. Naushad Ali, Obaid Siddiqui, Surender Kumar Sharma, Rajat Saxena, Kiran Kumar G, N Sathi Babu, Aravind JMVVS, Shobhna Mishra, Renu Rani, Basanta Das, Rashmita Das, Somesh Vinayak Tewari, Archana Sharma, Magnetic Pulse Crimping of Copper Lug with Significant Improvements in Contact Resistance and Leak Rate, DAE -BRNS International Symposium on Vacuum Science Technology and its Application in Accelerators, 2022, Just Accepted
- 179. Aswini patakamoori, Ramanjaneya Reddy Udumula, Tousif Khan Nizami and Ravi Eswar K M, Comparitive Analysis of Multiple Load Resonant Converter Topologies for Light Emitting Diode Applications, "3rd Electric Power and Renewable Energy Conference (EPREC-2022), 2022, Just Accepted
- 178. Shubh Lakshmi, A review of smart grid planning approaches and a new proposal for operational planning of smart grid with smart homes, Applications on Big Data and Artificial Intelligence in Smart Energy Systems: Planning, Operations, Control & Market Prospective", IEEE River Publishers, 2022, Just Accepted



- 177. Ravi Eswar K.M, Sivaprasad Athikkal, U Ramanjaneya Reddy and Narender Reddy Kedika, Enhanced Predictive Torque Control of Open Winding Permanent Magnet Synchronous Motor Drive with Common Mode Voltage Elimination, "3rd Electric Power and Renewable Energy Conference (EPREC-2022), 2022, Just Accepted
- 176. Raj Patel, Divyam Mandradia and Koshy George, A novel training algorithm for neuro-control of discrete-time nonlinear systems, "IEEE CONECCT 2022, 2022, Just Accepted, DOI: 10.1109/CONECCT55679.2022.9865729
- 175. U. K. Mandal and Akhilesh Prasad, Verma Sandeep Kumar, Composition of wavelet transform and wave packet transform involving Kontorovich-Lebedev transform, Filomat, 2022, 35,47-60, DOI: 10.2298/FIL2101047M
- 174. Manish Kumar Pandey & Prashant Tiwari, On the first sign change of Fourier coefficients of cusp forms at sum of two squares, Research in Number Theory, 2022, Just Accepted, DOI: 10.1007/s40993-021-00291-9
- 173. G. Damodar Reddy, Regularized Lardy scheme for solving singularly perturbed elliptic and parabolic PDEs, Mediterranean Journal of Mathematics, 2022, Just Accepted
- 172. G. Damodar Reddy, M. Rajan, Generalized regularization scheme for solving singularly perturbed parabolic PDEs, Partial Differential Equations in Applied Mathematics, 2022, 5, DOI: 10.1016/j.padiff.2022.100270
- 171. Imran Uddin, Multicomponent Reactions and its Application with Ionic Liquid, Ionic Liquids and Their Application in Green Chemistry, Ionic Liquids and Their Application in Green Chemistry, 2022, Just Accepted
- 170. Oriana Q.H.Zinani,KemalKeseroğlu,SupravatDey,AhmetAy4AbhyudaiSingh,Ertuğrul M.,Özbudak, Gene copy number and negative feedback differentially regulate transcriptional variability of segmentation clock genes, iScience, 2022, 25, DOI: 10.1016/j.isci.2022.104579
- 169. Pankaj Pathak ,Mohit Nigam, Puranjan Mishra, Pradeep Kumar, Sunil Rajoriya, Pankaj Pathak, Shraddha Rani Singh, Smita Kumar & Lakhveer Singh, Comprehensive technological assessment for different treatment methods of leather tannery wastewater, Environmental Science and Pollution Research, 2022, Just Accepted, DOI: 10.1007/s11356-022-21259-x
- 168. A.Lakshmana Rao, A STUDY OF CHANGING TRENDS IN CONSUMER PREFERENCES AND PERSPECTIVES TOWARDS HEALTH CARE SERVICES DURING THE PANDEMIC, Indian Journal of Physiology and Pharmacology, 2022, Just Accepted
- 167. Ashok Kumar Pradhan, Internet of Things-Security and Privacy in Cyber Space, Transactions on Computer Systems and Networks, 2022, Just Accepted
- 166. Poongundran Selvaprabhu ,Sunil Chinnadurai ,Ilavarasan Tamilarasan ,Rajeshkumar Venkatesan Vinoth Babu Kumaravelu, Priority Based Resource Allocation and Energy Harvesting for WBAN Smart Health, Wireless Communications and Mobile Computing, 2022, Just Accepted, DOI: 10.1155/2022/8294149
- 165. Ranjit Thapa,Lopamudra Giri, Bishnupad Mohanty, Bikash Kumar Jena, and Venkateswara Rao Pedireddi, The Hydrogen Bonded Organic Framework Structure: A Metal Free Electrocatalyst for Evolution of Hydrogen, ACS Omega, 2022, 7, 26, 22440–22446, DOI: 10.1021/acsomega.2c01585



- 164. Syed Akhil, Vasavi Dutt, Rahul Singh, Nimai Mishra, Post-synthesis Treatment with Lead Bromide for Obtaining Near Unity Photoluminescence Quantum Yield and Ultra-Stable Amine Free CsPbBr3 Perovskite Nanocrystal, The Journal of Physical Chemistry C, 2022, 126, 26, 10742–10751, DOI: 10.1021/acs.jpcc.2c02379
- 163. Sunil Chinnadurai, Wei Song; Shaik Rajak; Shuping Dang; Ruijun Liu; Jun Li, Deep Learning Enabled IRS for 6G Intelligent Transportation Systems: A Comprehensive Study, IEEE Transactions on Intelligent Transportation Systems, 2022,1-18, DOI: 10.1109/TITS.2022.3184314
- 162. Dinesh Reddy Vemula, Mahesh Kumar Morampudi, Sonam Maurya, Ashu Abdul, Md. Muzakkir Hussain & Ilaiah Kavati, Enhanced Resource Provisioning and Migrating Virtual Machines in Heterogeneous Cloud Data Cente, Journal of Ambient Intelligence and Humanized Computing, 2022, Just Accepted, DOI: 10.1007/s12652-022-04197-x
- 161. M. Ashok Williams, K. Nirmal Raj, A. Naga Rajesh, T. V. Lakshmi Kumar & D. Narayana Rao, Identification of sea breeze onset and its effect on surface black carbon aerosols over a tropical coastal environment (12.81°N, 80.03°E) in India, Pure and Applied Geophysics, 2022, 179, pages2993–3003, DOI: 10.1007/s00024-022-03102-z
- 160. Srikanth Goud,Rami Reddy,Ch. Naga Sai kalyan,Ramanjaneya Reddy Udumula,Mohit Bajaj,Bdereddin Abdul Samad,Mokhtar Shouran,Salah Kamel, PV/WT Integrated System Using Grey Wolf Optimization Technique for Power Quality Improvement, Frontiers in Energy Research, section Process and Energy Systems Engineering, 2022, Just Accepted,DOI: 10.3389/fenrg.2022.957971
- 159. G.S. Vinod Kumar, S. Sasikumara, K. Georgy, M. Mukherjee, Production, Stability, and Properties of In-situ Al-5ZrB2 Composite Foams, Materials Science & Engineering A, 2022, 849, DOI: 10.1016/j.msea.2022.143501
- 158. G. V. P. Bhagath Singh, Karen Scrivener, Investigation of phase formation, microstructure and mechanical properties of LC3 based autoclaved aerated blocks, Construction and Building Materials, 2022, 344, DOI: 10.1016/j.conbuildmat.2022.128198
- 157. Jatindra Kumar Dash, Himadri Bhuyan, Jagadeesh Killi, Partha Pratim Das, Soumen Paul, Motion recognition in Bharatanatyam Dance, IEEE Access, 2022, 10, 67128 67139, DOI: 10.1109/ACCESS.2022.3184735
- 156. Sateesh Krishna, Om Jee Pandey, Fouzul Atik, Firdoshi Parveen, Performance Analysis of Consensus Algorithms over Prism Networks Using Laplacian Spectra, IEEE Networking Letters, 2022, 4,142-146, DOI: 10.1109/LNET.2022.3181203
- 155. Sashikumaar Ganesan, Shweta Srivastava, A stabilized local projection finite element scheme for computations of Oldroyd-B viscoelastic fluid flows, International Journal of Advances in Engineering Sciences and Applied Mathematics, 2022, Just Accepted, DOI:10.1007/s12572-022-00314-3
- 154. Bappaditya Bhowmik, Firdoshi Parveen, On estimates of some coefficient functionals for certain meromorphic univalent functions, Bulletin of the Malaysian Mathematical Sciences Society, 2022, 45,2745–2763, DOI: 10.1007/s40840-022-01309-w
- 153. Pranabesh Das, Angelos Koutsianas, Nikos Tzanakis, Pallab KantiDey, Perfect powers in sum of three fifth powers, Journal of Number Theory, 2022, 236, 443-462, DOI: 10.1016/j.jnt.2021.07.029



- 152. Pabitra Narayan Mandal,V Kannan, Interval maps every point is eventually fixed, Proc. Mathematical Sciences -Indian Acad. Sci, 2022, 132, DOI: 10.1007/s12044-022-00666-7
- 151. Sarath Sasi, Ratnasingham Shivaji, and S. Sundar, Mohan Mallick, Bifurcation, uniqueness, and multiplicity results for classes of reaction-diffusion equations arising in ecology with nonlinear boundary conditions, Communication in Pure and Applied Mathematics, 2022, 21(2),705-726, DOI: 10.3934/cpaa.2021195
- 150. A V S Kamesh, Anusha Veeragandham, Mediating role of access to Finance in explaining the impact of training on the economic empowerment of women under DWCRA scheme in APCRDA region, Journal of International Commerce, Economics and Policy, 2022, Just Accepted
- 149. Rukma, Vimal Babu,M Vijaya Prabhagar, Blockchain Fragmented clusters for advancing HR Saliency: The case of India, World Scientific Book, 2022, Just Accepted
- 148. M Vijaya Prabhagar, Development of new means to improve the performance of Self-Organizing Map, International Journal of Data Analytics, 2022, 16, DOI: 10.4018/IJDA.307065
- 147. Mohd Danish Kirmani, Md. Asadul Haque, Muhammad Ahsan Sadiq, Faiz Hasan, Cashless Preferences during COVID-19 Pandemic: Investigating user intentions to continue UPI-based Payment Systems in India, Journal of Science and Technology Policy Management, 2022, Just Accepted, DOI: 10.1108/JSTPM-08-2021-0127
- 146. Mr. Dharma Theja, Rights Issue During Covid-19, Rights Issue During Covid-19,2022, Just Accepted
- 145. A V S Kamesh, Anusha Veeragandham, Overview of DWCRA Programe aimed at Economic Empowerment of Women, International Journal of Business Performance Management,2022,Just Accepted
- 144. Kirubaharan Boobalan and Margaret Susairaj, Margaret Susairaj, Organic Food Preferences: A Comparison of American and Indian Consumers, Food Quality and Preference, 2022, 101, DOI: 10.1016/j.foodqual.2022.104627
- 143. Pranabesh Das, Angelos Koutsianas, Nikos Tzanakis, Pallab KantiDey, Perfect powers in sum of three fifth powers, Journal of Number Theory, 2022, 236,443-462, DOI:10.1016/j.jnt.2021.07.029
- 142. Iskandar K , Murugaiyan J , Hammoudi Halat D, Hage SE, Chibabhai V, Adukkadukkam S, Roques C, Molinier L, Salameh P, Van Dongen M, Antibiotic Discovery and Resistance: The Chase and the Race, Antibiotics, 2022, 11(2), 182, DOI: 10.3390/antibiotics11020182
- 141. Balamurugan K, Medishetti R, Kotha J, Behera P, Chandra K, Mavuduru VA, Joshi MB, Samineni R, Katika MR, Ball WB, Thondamal M, Challa A, Chatti K, Parsa KVL, PHLPP1 promotes neutral lipid accumulation through AMPK/ChREBP-dependent lipid uptake and fatty acid synthesis pathways, iScience, 2022, 25, DOI: 10.1016/j.isci.2022.103766
- 140. Shaik Rajak,Inbarasan Muniraj,Karthikeyan Elumalai,A. S. M. Sanwar Hosen ,In-Ho Ra , and Sunil Chinnadurai, Energy Efficient Hybrid Relay IRS aided wireless IoT network for 6G communications, Electronics Journal, 2022, 11(12), 1900, DOI: 10.3390/electronics11121900
- 139. Abinash Pujahari, Dilip Singh Sisodia, Item Feature Refinement using Matrix Factorization and Boosted Learning based User Profile Generation for Content-Based Recommender Systems, Expert Systems with Applications, 2022, 206, DOI: 10.1016/j.eswa.2022.117849



- 138.YuminDuan,AyonTarafdar,VinayKumar,PrabakaranGaneshan,KarthikRajendran,BalenduShekhar Giri,RicardoGómez García,HuikeLi,ZengqiangZhang,Raveendran, Sindhu,ParameswaranBinod, AshokPandey,Mohammad J.Taherzadehl,SurendraSarsaiya,ArchanaJain,MukeshKumar Awasthi, Sustainable biorefinery approaches towards circular economy for conversion of biowaste to value added materials and future perspectives, Fuel, 2022, 325, DOI:10.1016/j.fuel.2022.124846
- 137. Bharadwaj Sivakumaran, Harindranath R.M, Promotional Inputs and Selling: Evidence from India, Journal of Business and Industrial Marketing, 2022, Just Accepted, DOI: 10.1108/JBIM-01-2021-0040
- 136. Florence Mukamanzi; Manjula Raja; Tejodbhav Koduru; Raja Datta, Position-independent and Section-based Source Location Privacy Protection in WSN, IEEE Transactions, 2022, 1-10, DOI: 10.1109/TII.2022.3183804
- 135. Hari Balakrishnan, Ramaraju Korivi, Mannathan S, Kanagaraj Madasamy, Trifluoroacetic Acid-Mediated Denitrogenative Ortho-Hydroxylation of 1,2,3-Benzotriazin-4(3H)-ones: A Metal-Free Approach, The Journal of Organic Chemistry, 2022, 87, 13, 8752–8756, DOI: 10.1021/acs.joc.2c00354
- 134. Ranjit Thapa,Samadhan Kapse,Ashmita Biswas,Bikram Ghosh,Ramendra Sundar Dey, Lewis acid-dominated aqueous electrolyte acting as co-catalyst and overcoming N2 activation issues on catalyst surface, Proceedings of National Academy of Sciences (PNAS), 2022, 119 (33), DOI: 10.1073/pnas.2204638119
- 133. Tousif Khan Nizami and Harsh Dhiman, Dishita Neve, Sparsh Joshi, shubh Lakshmi, Global Horizontal Solar Irradiance Forecasting based on Data-Driven and Feature Selection Technique, Soft Computing: Theories and Applications, 2022, 825–834, DOI:10.1007/978-981-19-0707-4_74
- 132. Ashwini Nawade, Kumar Babu Busi, Kunchanapalli Ramya, Goutam Kumar Dalapati, Sabyasachi Mukhopadhyay, and Sabyasachi Chakrabortty, Improved Charge Transport across Bovine Serum Albumin Au Nanoclusters Hybrid Molecular Junction, ACS Omega, 2022, 7, 24, 20906–20913, DOI: 10.1021/acsomega.2c01563
- 131. Ramanjaneya Reddy Udumula, C H. Naga Sai Kalyan, Srikanth Goud .B, Ch R. Reddy, Mohit Bajaj Naveen KUMAR Sharma Doon University, Elmazeg Elgamli, Mokhtar Shouran, Salah Kamel, Seagull Optimization Algorithm Based Fractional Order Fuzzy Controller for LFC of Multi Area Diverse Source System with Realistic Constraints, Journal Frontiers in Energy Research, 2022, Just Accepted, DOI: 10.3389/fenrg.2022.921426
- 130. PriyankaSingh,RahulKottath,Ghanshyam G.Tejani, Ameliorated Follow the Leader: Algorithm and Application to Truss Design Problem, Structures, 2022, 42, 181-204, DOI: 10.1016/j.istruc.2022.05.105
- 129. Buggaveeti Padmaja, Maharana Suraj Harihar, V. M. Manikandan, Advancements in Reversible Data Hiding Techniques and Its Applications in Healthcare Sector, Predictive Data Security using AI Insights and Issues of Blockchain, IoT, and DevOps, 2022, Just Accepted
- 128. Radhika Chowdary Vasireddy, Nikitha Raavi, Sri Mahalakshmi Harika Punati, Satish Anamalamudi and Murali krishna Enduri, Air Quality Analysis and Forecasting Using Deep Learning, International Conference on Computational Intelligence and Sustainable Engineering Solutions (CISES-2022), 2022, Just Accepted, DOI: 10.1109/CISES54857.2022.9844321



- 127. K Raghavendra Asish, Adarsh Gupta, Arpit Kumar , Alex Mason , Murali Krishna Enduri and Anamalamudi Satish, A Tool for Fake News Detection Using Machine Learning Techniques, International Conference on Intelligent Technologies (CONIT-2022), 2022, Just Accepted, DOI: 10.1109/CONIT55038.2022.9848064
- 126. Komal Roy, Rashmi Sinha, Debolina Das, Arvind Choubey, Chetan Barde, Prakash Ranjan & Sanjay Kumar, A recent survey on zeroth-order resonant (ZOR) antennas, Analog Integrated Circuits and Signal Processing volume, 2022, 112,65–82, DOI: 10.1007/s10470-022-02044-9
- 125. Sudheer Kumar Battula, Saurabh Garg, Ranesh Naha, Muhammad Bilal Amin, Byeong Kang & Erfan Aghasian, A blockchain-based framework for automatic SLA management in fog computing environments, The Journal of Supercomputing, 2022, 78,16647–16677, DOI: 10.1007/s11227-022-04545-w
- 124. A.V.S.Kamesh, Evaluating the Role of Workplace Well-being in Enhancing Employee Productivity in the 21st Century, IIM Bodhgaya, 2022, Just Accepted
- 123. Vineela Chandra Dodda, Lakshmi Kuruguntla, Karthikeyan Elumalai, Inbarasan Muniraj, and Sunil Chinnadurai, An under complete autoencoder for denoising computational 3D sectional images, Imaging and Applied Optics Congress to be held at Vancouver, Canada 2022, 2022, Just Accepted, DOI: 10.1364/3D.2022.JW2A.19
- 122. Sreya and A.Lakshmana Rao, Perception and employee satisfaction during COVID-19 pandemic with special reference to select academic institutions in higher education in India, International Journal of Health Sciences, 2022, Just Accepted
- 121. Ranjit Thapa, Subrata Karmakar, Deepak S. Gavali, Chetan D. Mistari, M. A. More Dhrubananda Behera, Ariful Haque, Low-Temperature Spin-Canted Magnetism and Bipolaron Freezing Electrical Transition in Potential Electron Field Emitter NdNiO3, ACS Applied Electronic Materials, 2022, 4, 6, 3134–3146, DOI: 10.1021/acsaelm.2c00569
- 120. Arunima Jinachandran and Raja Pandian, Surface-enhanced Raman spectroscopy for food quality and safety monitoring, Nanotechnology Applications for Food Safety and Quality Monitoring, 2022, Just Accepted
- 119. Chaitanya Krishna Pasula and V.M. Manikandan, An analysis of human activity recognition systems and their importance in the current era, Computational Intelligence Based Solutions for Vision Systems, 2022, Just Accepted
- 118. Jesni Jacob and Mahesh Kumar Ravva, Theoretical Insights on Molecular Designing of Hot-Exciton based Thermally Activated Delayed Fluorescence Molecules, Materials Advances, 2022, 3, 4954-4963, DOI: 10.1039/D2MA00039C
- 117. Priyanka S,Jyothsna Devi,Jayant Krishna, Robust,Reversible Medical Image Watermarking for Transmission of Medical Images over Cloud in Smart IoT Healthcare, Predictive Analysis in Cloud, Fog and Edge Computing and Practice of Blockchain, IoT and 5G, 2022, Just Accepted
- 116. Pradyut Kumar Sanki, Vasudeva Bevara; Medarametla Deepthi Supriya; Devireddy Vignesh, Peram Bhanu Sai Harshath, Siavya Kuchina, VLSI Implementation of a Real-Time Modified Decision-Based Algorithm for Impulse Noise Removal, IEMTRONICS 2022, 2022, Just Accepted, DOI: 10.1109/IEMTRONICS55184.2022.9795765



- 115. Murali Krishna Enduri and Satish Anamalamudi, Koduru Hajarathaiah, Tatireddy Subba Reddy, Srilatha Tokala, Computing Influential Nodes Using Nearest Neighborhood Trust Value and Pagerank in Complex Networks, Entropy, 2022, 24(5), 704, DOI: 10.3390/e24050704
- 114. Prakash Jadhav, Wavy Trailing Edge Feasibility for Aircraft Engine Composite Fan Blade, Materials Science Forum, 2022, 1060,51-56, DOI: 10.4028/p-4ubl99
- 113. Parvaiz Ahmad Lone, Javid Ahmad Dar, Subashree Kothandaraman, Mohammed Latif Khan, An invasive shrub Lantana camara L. alters the flora and soils in tropical dry deciduous forests of Central India, Biotropica, 2022, Just Acceepted, DOI: 10.1111/btp.13112
- 112. Tousif Khan Nizami, Arghya Chakravarty, Chitralekha Mahanta, Atif Iqbal, Alireza Hosseinpour, Enhanced Dynamic Performance in DC-DC Converter-PMDC Motor Combination through an Intelligent Nonlinear Adaptive Control Scheme, IET Power Electronics, 2022, Just Accepted, DOI: 10.1049/pel2.12330
- 111. Sarath C.Gowd, Deepak Kumar, Richen Lin, Karthik Rajendran, Nutrient recovery from wastewater in India: A perspective from mass and energy balance for a sustainable circular economy, Bioresource Technology Reports, 2022, 18, DOI: 10.1016/j.biteb.2022.101079
- 110. Lakshmi Kuruguntla, Vineela Chandra Dodda, Min Wan, Karthikeyan Elumalai, Sunil Chinnadurai, Inbarasan Muniraj, and John T Sheridan, Sparse reconstruction for integral Fourier holography using Dictionary Learning method, Applied Physics B, 2022, 128, DOI: 10.21203/rs.3.rs-1508349/v1
- 109. V. G. Vasavi Dutt, Syed Akhil, Rahul Singh, Manoj Palabathuni, and Nimai Mishra, Year-Long Stability and Near Unity Photoluminescence Quantum Yield of CsPbBr3 Perovskite Nanocrystals by Benzoic Acid Post-treatment, The Journal of Physical Chemistry C, 2022, 126, 22, 9502–9508, DOI: 10.1021/acs.jpcc.2c01467
- 108. John P Hays , Maria Jose Ruiz-Alvarez , Natalia Roson-Calero , Rohul Amin , Jayaseelan Murugaiyan , Maarten B M van Dongen, Perspectives on the ethics of antibiotic overuse and on the implementation of (new) antibiotics, Infectious Diseases and Therapy, 2022, 11,1315–1326, DOI: 10.1007/s40121-022-00656-2
- 107. Sudipta Chakrabarty, Ruhul Islam, Emil Pricop, Hiren Kumar Deva Sarma, An Approach to Discover Similar Musical Patterns, IEEE Access, 2022, 10, 47322 47339, DOI: 10.1109/ACCESS.2022.3169362
- 106. Muhammad Muazu Bala, Shailender Singh, Nishant Kumar & Hawati Janor, Predicting Key Drivers for Health Care Expenditure Growth in the Middle East Region: A Grossman-PLS Modeling Approach, Expert Review of Pharmacoeconomics & Outcomes Research, 2022, Just Accepted, DOI: 10.1080/14737167.2022.2073222
- 105. Bappaditya Bhowmik & Firdoshi Parveen, On estimates of some coefficient functionals for certain meromorphic univalent functions, Bulletin of the Malaysian Mathematical Sciences Society, 2022,45,2745–2763,DOI: 10.1007/s40840-022-01309-w
- 104. Maya Vijayan, Ramanjaneya Reddy, Tarkeshwar Mahto, Comparative Study of Various DC-DC Converter Topologies for PV Powered EV Charging Stations, ECS Transactions, 2022, 107, DOI: 10.1149/10701.0709ecst



- 103. M.V.Jyothirmai, Mahesh Kumar Ravva, Changes in Structure and Stability of Lithium Polysulfides Encapsulated in Carbon Nanotubes: A DFT, Journal of Molecular Liquids, 2022, 359, DOI: 10.1016/j.molliq.2022.119287
- 102. Srabani Basu, Salome Divya Joseph, Learning Styles-based Content Engineering for Under graduate Engineering Students, International Journal of Early Childhood Special Education, 2022, Just Accepted
- 101. Bhavvya M. B, Ramya Prabhu B., Anjana Tripathi, Sudesh Yadav, Neena S. John, Ranjit Thapa, Ali Altaee, Manav Saxena, and Akshaya K. Samal, A unique bridging facets assembly of gold nanorods for the detection of thiram through SERS, ACS Sustainable Chemistry & Engineering, 2022, 10(22), DOI: 10.1021/acssuschemeng.2c01089
- 100. B. Vamsi Krsihna, A. Gangadhar, S. Ravi, D. Mohan, Asisa Kumar Panigrahy, V. Raja Rajeswari & M. Durga Prakash, A Highly Sensitive Graphene based Field Effect Transistor for Detection of Myoglobin, Silicon, 2022, Just Accepted, DOI: 10.1007/s12633-022-01790-9
- 99. Rajasekhar Turaka, Koteswara Rao Bonagiri, Talla Srinivasa Rao, Gundugonti Kishore Kumar Sudharsan Jayabalan, V. Bharath Sreenivasulu, Asisa Kumar Panigrahy & M.DURGA PRAKASH, Design of approximate reverse carry select adder using RCPA, International Journal of Electronics Letters, 2022, 10.1080/21681724.2022.2062791
- 98. ShaijuPanchikkila, V.M.Manikandan, Yu-DongZhang, An Efficient Spatial Transformation-based Entropy Retained Reversible Data Hiding Scheme in Encrypted Images, optik, 2022, 261, DOI: 10.1016/j.ijleo.2022.169211
- 97. Sri Satya Maram , V. M. Manikandan, A Novel System for Automated Coloring of Neat Sketches, 4th International Conference on Energy, Power and Environment, NIT Meghalaya, India, IEEE Xplore, 2022, Just Accepted
- 96. Harshad Dhane , Palak Agraval , V. M. Manikandan, A Novel High Capacity Reversible Data Hiding through Encryption Scheme by Permuting Encryption Key and Entropy Analysis, IEEE Xplore, 2022, Just Accepted, DOI: 10.1109/ICEPE55035.2022.9798065
- 95. Lakshmi Swarna Durga Nallam, Sindhu Sankati, Hiren Kumar Thakkar & Priyanka Singh, Time Series Analysis of COVID-19 Waves in India for Social Good, Augmented Intelligence in Healthcare: A Pragmatic and Integrated Analysis, 2022, Just Accepted, DOI:10.1007/978-981-19-1076-0_20
- 94. Sourish Mukherjee, Bait Yash Sudhakar, Samhitha Kamma, Snehitha Barukula, Purab Agarwal and Priyanka Singh, Automated Student Emotion Analysis During Online Classes using Convolutional Neural Network, 11th International Conference on Soft Computing for Problem Solving, 2022, Just Accepted
- 93. Shaik Himani, Mugada Hemanth Kumar, Murali Krishna Enduri, Shaik Shakila Begum, Gundla Rageswari, Satish Anamalamudi, A Comparative Study on Prediction of Citations of Articles, 6 th International Conference on Trends in Electronics and Informatics, 2022, Just Accepted
- 92. Tumula Mani Harsha, Gangaraju Sai Moukthika, Dudipalli Siva Sai, Mannuru Naga Rajeswari Pravallika, Satish Anamalamudi and MuraliKrishna Enduri, Automated Resume Screener Using Natural Language Processing(NLP), 6 th International Conference on Trends in Electronics and Informatics (ICOEI 2022), 2022, Just Accepted, DOI: 10.1109/ICOEI53556.2022.9777194



- 91. "Mulagala Sandhya, Tanmay Dhopavkar, Dilip Kumar Vallabhadas, Jayaprakash Palla, Mulagala Dileep, and Sriramulu Bojjagani, Leukocyte Subtyping using Convolutional Neural Networks for Enhanced Disease Prediction, "3rd International Conference on Machine Intelligence and Signal Processing (MISP 2021), 2022, 858, 1-17, DOI: 10.1007/978-981-19-0840-8_1
- 90. Jairo M. Valdivia, Patrick N. Gatlin, Shailendra Kumar, Danny Scipión, Yamina Silva and Walter A. Petersen, The GPM-DPR blind zone effect on satellite-based radar estimation of precipitation over the Andes from a ground-based Ka-band profiler perspective, Journal of Applied Meteorology and Climatology, 2022, 441-456, DOI: 10.1175/JAMC-D-20-0211.1
- 89. ShahnazKossaraR,Amiruddina,AsifRasoola,M.C. SanthoshKumar, Nagamalleswari Katragadda, PranabMandal,NafisAhmedd, Study on ferroelectric polarization induced resistive switching characteristics of neodymium-doped bismuth ferrite thin films for random access memory applications, Current Applied Physics, 2022, 39, 221-229, DOI: 10.1016/j.cap.2022.04.013
- 88. SushilBhunia, AnirbanBose, Twisted conjugacy in linear algebraic groups II, Journal of Algebra, 2022, 603, 235-259, DOI: 10.1016/j.jalgebra.2022.03.031
- 87. Suratno Basu, Ananyo Dan and Inder Kaur, Generators of the Cohomology ring, after Newstead, Proc. Amer. Math. Soc, 2022, 150, 2569-2577, DOI: 10.1090/proc/15888
- 86. Jit Mukherjee, Sourav Paul, Ashadul Adalder, Samadhan Kapse, Ranjit Thapa, Sumit Mandal, Biswajit Ghorai, Sougata Sarkar and Uttam Kumar Ghorai, Selective Electrocatalytic Co-reduction of N2 and CO2 on Copper Phthalocyanine for Green Urea Production, Advanced Functional Materials, 2022, 32, DOI: 10.1002/adfm.202200882
- 85. Arvind Kumar; Divya Chaturvedi; S. Imaculate Rosaline, Design of Antenna-Multiplexer for Seamless On-Body Internet of Medical Things (IoMT) Connectivity, IEEE Transactions on Circuits and Systems II: Express Briefs, 2022, 69, 3395 3399, DOI: 10.1109/TCSII.2022.3170513
- 84. PiyaliChatterjee, Mounika Sai Krishna Ambati, Amit K. Chakraborty, Sabyasachi Chakrabortty, Sajal Biring, Seeram Ramakrishna, Terence Kin Shun Wong, Avishek Kumar, Raghavendra Lawaniya, Goutam Kumar Dalapati, Photovoltaic/Photo-Electrocatalysis Integration for Green Hydrogen: A review, Energy Conversion & Management, 2022, 261, DOI: 10.1016/j.enconman.2022.115648
- 83. Tharun K. Bollu, Divya S. Parimi, Chandra S. Bhattab and Anil K. Suresh, Fish-scale waste to portable bioactive discs: A sustainable platform for sensitive and reliable blood group analysis, Analytical Methods, 2022, 14, 1946-1955, DOI: 10.1039/D2AY00128D
- 82. Priyanka S,Sushruta Mishra ,Hiren Kumar Thakkar ,Priyanka Singh ,and Gajendra Sharma, A Decisive Metaheuristics Attribute Selector Enabled Combined Unsupervised-Supervised Model for Chronic Disease Risks Assessment, Computational Intelligence and Neuroscience, 2022, Just Accepted, DOI: 10.1155/2022/8749353
- 81. Xihui Kang,Richen Lin,Benteng Wu,Lianhua Li,Chen Deng,Karthik Rajendran,Yongming Sun,Richard O'Shea,Jerry D. Murphy, Towards green whiskey production: anaerobic digestion of distillery by-products and the effects of pretreatment, Journal of Cleaner Production, 2022, 357, DOI: 10.1016/j.jclepro.2022.131844
- 80. Javid Ahmad Dar, Evidence of co-limitation in global forest diversity gradients, Nature Ecology & Evolution, 2022, 6, 1423–1437, DOI: 10.1038/s41559-022-01831-x



- 79. Subhajit Sarkar, Ashmita Biswas, E S, Erakulan, Ranjit Thapa, Ramendra Sundar Dey, Strategic modulation of target-specific isolated Fe,Co single-atom active sites for oxygen electrocatalysis impacting high power Zn-air battery, ACS Nano, 2022, 16, 5, 7890–7903,DOI: 10.1021/acsnano.2c00547
- 78. Prakash Jadhav, Feasibility of Composite Compressor Blade Using Sub-element Level Bird Strike Tests and Analysis, Recent Advances in Applied Mechanics, 2022, 294, 195–209, DOI: 10.1007/978-981-16-9539-1_14
- 77. Amit Chakraborty, Srinandan Dasmahapatra, Henry Day-Hall, Billy Ford, Shubhani Jain, Stefano Moretti, Emmanuel Olaiya, Claire Shepherd, Revisiting Jet Clustering Algorithms for New Higgs Boson Searches in the Hadronic Final States, European Physical Journal C, 2022, 82, 346, DOI: 10.1140/epjc/s10052-022-10314-z
- 76. Vasudeva Bevara, Shakamuri Narendra Chowdary, Bolem Venkata Surendra Babu, Pradyut Kumar Sanki, High Performance 2n:1:2n Reversible MUX/DEMUX Architecture for Quantum Dot Cellular Automata, Numerical Modelling: Electronic Networks, Devices and Fields, 2022, 35, DOI: 10.1002/jnm.3014
- 75. Chandreswar Mahata, Mullapudi V.Jyothirmai, Mahesh KumarRavva, Sabyasachi Chakrabortty, Sungjun Kim, Sajal Biring, Seeram Ramakrishna, Goutam Kumar Dalapati, Electronic structure and origin of intrinsic defects in sputtered HfTiO2 alloy dielectric on GaAs surface, Journal of Alloys and Compounds, 2022, 910, DOI: 10.1016/j.jallcom.2022.164817
- 74. Ashwini Nawade; Imran Pancha and Sabyasachi Mukhopadhyay, Electron Transport across Phycobiliproteins Films and its' Optoelectronic Properties, ECS Journal of Solid State Science and Technology, 2022, 11, 4, DOI: 10.1149/2162-8777/ac627f
- 73. B. Ramanjaneya Reddy,Rahul Kotana, SK Hima Bindu, Srikanth Goud B, High Gain Boost Converter Fed Single-Phase Sine Pulse Width Modulated Inverter, International Journal of Renewable Energy Research, 2022, 12,2, DOI: 10.20508/jjrer.v12i2.12814.g8453
- 72. Bhavana Siddineni and V.M. Manikandan, Recent Advancements in Design and Implementation of Automated Sign Language Recognition Systems, Challenges and Applications for Hand Gesture Recognition, 2022, 29, DOI; 10.4018/978-1-7998-9434-6.ch005
- 71. Dinesh Reddy Vemula, Shailendra Kumar Tripathi, et al, Music Generation Using Deep Learning, 2nd International Conference on Machine Vision & Augmented Intelligence, Lecture Notes in Electrical Engineering, Springer, 2022, Just Accepted
- 70. Agasthiyaraj Lakshmanan, Deepak S. Gavali, K.S. Venkataprasanna, Ranjit Thapa, Debabrata Sarkar, Low Basis Weight Polyacrylonitrile/Polyvinylpyrrolidone Blended Nanofiber Membranes for Efficient Particulate Matter Capture, ACS Applied Polymer Materials, 2022, 4, 5, 3971–3981, DOI: 10.1021/acsapm.2c00422
- 69. Prabhakaran and Karthink Rajendran, Dynamic Simulation and Optimization of Anaerobic Digestion Processes using MATLAB, Bioresource Technology, 2022, 351, DOI: 10.1016/j.biortech.2022.126970
- 68. Dinesh Reddy Vemula, Music Generation Using Deep Learning, Lecture notes in EE, 2022, Just Accepted



- 67. Neeraj Kumar Sharma, Corn Leaf Disease Detection Using ResNext50, ResNext101, and Inception V3 Deep Neural Networks, Lecture notes in EE, 2022, Just Accepted
- 66. Rajiv Senapati, A Novel Classification-based Parallel Frequent Pattern Discovery Model for Decision making and Strategic planning in Retailing, International Journal of Business Intelligence and Data Mining, 2022, Just Accepted, DOI: 10.1504/IJBIDM.2023.10046447
- 65. Hemantha Kumar Kalluri, Traffic analysis on Videos using Deep Learning Techniques, Lecture notes in EE, 2022, Just Accepted
- 64. B Ramachandra Reddy and Neeraj Sharma, Software Fault Prediction Using Deep Neural Networks, Lecture notes in EE, 2022, Just Accepted
- 63. Arnab Mitra, A OTP-based Lightweight Authentication scheme in Python towards possible uses in Distributed Applications, 3rd International Conference on Data Science and Applications, 2022, Just Accepted
- 62. Lucy Dash, Binod Kumar Pattanayak , Sambit Kumar Mishra , Kshira Sagar Sahoo, Noor Zaman Jhanjhi , Mohammed Baz and Mehedi Masud, A Data Aggregation Approach Exploiting Spatial and Temporal Correlation among Sensor Data in Wireless Sensor Networks, Electronics, 2022, 11(7), 989, 10.3390/electronics11070989
- 61. V. M. Manikandan, Recent Advancements and Research Challenges in Design and Implementation of Autonomous Vehicles, Autonomous Vehicle- An Intelligent Algorithm of Computing, 2022, Just Accepted
- 60. Ashu Abdul, Abstractive Text Summarization with Fine-Tuned Transformer, Lecture notes in EE,2022, Just Accepted
- 59. Kandala Sree Rama Murthy, V. M. Manikandan, A reversible Data Hiding Through Encryption Scheme for Medical Image Transmission using AES Encryption with Key Scrambling, Journal of Advances in Information Technology, 2022, Just Accepted
- 58. Jasvinder Singh, Pulak Mohan Pandey, Tejinder Kaur, Neetu Singh, Effect of heparin drug loading on biodegradable polycaprolactone-iron pentacarbonyl powder blend stents fabricated by solvent cast 3D printing, Rapid prototyping journal, 2022, 28,7, DOI: 10.1108/RPJ-02-2021-0043
- 57. Sudhir Raj, Adaptive Control for Stabilization of Ball and Beam System using H∞ Control, Lecture notes in EE, 2022, Just Accepted
- 56. Sudhir Raj, Stabilization of Ball Balancing Robots using Hierarchical Sliding Mode Control with State-Dependent Switching Gain, Lecture notes in EE, 2022, Just Accepted
- 55. MayankSrivastava,JasvinderSingh,Dipesh KumarMishra,Ravinder PalSingh, Review on the various strategies adopted for the polishing of silicon wafer a chemical perspective, Material today: proceedings, 2022, 63, 62-68, DOI: 10.1016/j.matpr.2022.02.300
- 54. M. Durga Prakash, Shaik Lathifa Nihal, Shaik Ahmadsaidulu, Raghunandan Swain & Asisa Kumar Panigrahy, Design and Modelling of Highly Sensitive Glucose Biosensor for Lab-on-chip Applications, Silicon, 2022, 14, pages8621–8627, DOI: 10.1007/s12633-021-01543-0
- 53. Sutharsan Govindarajan , Adair Borges , Shweta Karambelkar , Joseph Bondy-Denomy, Distinct subcellular localization of a Type I CRISPR complex and the Cas3 nuclease in bacteria, Journal of Bacteriology, 2022, 204, 5, DOI: 10.1128/jb.00105-22



- 52. Yu-Dong Zhang , V. M. Manikandan, An Adaptive Pixel Mapping based Approach for Reversible Data Hiding in Encrypted Images, Signal Processing: Image Communication, 2022, 105, DOI: 10.1016/j.image.2022.116690
- 51. Santosh KumarSahu, Durga PrasadMohapatra, Jitendra KumarRout, Kshira SagarSahoo, Quoc-VietPham, Nhu-Ngoc Dao, A LSTM-FCNN based multi-class intrusion detection using scalable framework, Computers and Electrical Engineering, 2022, 99, DOI: 10.1016/j.compeleceng.2022.107720
- 50. Lakshmi Kuruguntla, Vineela Chandra Dodda, Anup Kumar Mandpura, Karthikeyan Elumalai, Erratic noise attenuation using double sparse dictionary learning method, IEEE Transaction on geoscience and remote sensing, 2022, 60, DOI:10.1109/TGRS.2022.3164460
- 49. Prakash Jadav, Hybrid joint interface in composite fan blade subjected to bird strike loading, Journal of Mechanical Engineering Science, 2022, Just Accepted
- 48. Ghanshyam Pandey, Sheeba Moghal, Rakshit Barodia and William Carey, COVID-19 and its effects on the mental health of people living in urban slums in India, Journal of Information and Knowledge Management, 2022, 21, DOI: 10.1142/S0219649222400032
- 47. Lakhveer Singh , Rajesh Kumar, Ti3C2 MXene-As Electrocatalyst for Designing Robust Glucose Biosensors, Advanced Materials Technologies, 2022, Just Accepted, DOI: 10.1002/admt.202200151
- 46. Shwetha Kolathur Ramachandra, Doddahalli Hanumantharayudu Nagaraju, Shivanna Marappa, Samadhan Kapseb and Ranjit Thapa, Highly Efficient Catalysts of Ruthenium Clusters on Fe3O4/MWCNTs for Hydrogen Evolution Reaction, New Journal of Chemistry, 2022, 46, 7014-7023, DOI: 10.1039/D2NJ00887D
- 45. Deepak Pathania, Lakhveer Singh, Biorenewable Nanocomposite Materials for Desalination and WasteWater Remediation, ACS Symposium Series, 2022, 1411, DOI: 10.1021/bk-2022-1411
- 44. Aparna Chowadary, Impact of Relational Bonding on Environmental Efficiency and Firm's Sustainable Competitiveness, Indian Journal of Economics and Development, 2022, 18,169-174, DOI: 10.35716/IJED/21251
- 43. Abhinandan Patra, Samadhan Kapse,Ranjit Thapa,Dattatray Late,Chandra Sekhar Rout, Supercapacitor electrodes based on quasi-one-dimensional van der Waals TiS3 nanosheets: experimental findings and theoretical validation, Applied Physics Letters, 2022, 120, 103102, DOI: 10.1063/5.0080346
- 42. Ilaiah Kavati, G Kiran Kumar, M Venu Gopalachari, E Suresh Babu, Ramalingaswamy Cheruku & V Dinesh Reddy, Non-invertible Cancellable Template for Fingerprint Biometric, Hybrid Intelligent Systems, 2022, 420, 615-624, DOI: 10.1007/978-3-030-96305-7_57
- 41. Kondaveeti Aashritha , V. M. Manikandan, Assistive Technologies for Blind and Deaf People: A Case Study", Machine Vision and Augmented Intelligence (MAI 2022), Organizing by National Institute of Technology, Lecture Notes in Electrical Engineering-Springer, 2022, Just Accepted
- 40. Kunal Tiwary, Sanjaya Kumar Patro, Amir H. Gandomi & Kshira Sagar Sahoo, Model updating using causal information: a case study in coupled slab, Structural and Multidisciplinary Optimization, 2022, 65,62, DOI: 10.1007/s00158-021-03166-w



- 39. Prakash Jadav, Design Methodologies for Composite Structures in Aircraft Engines, Advanced Composites in Aerospace Engineering Applications, 2022, 93-108, DOI: 10.1007/978-3-030-88192-4_4
- 38. Abhiram Shri Chakravadhanula, Jaswanth Kolisetty, Karthik Samudrala, Bharat Preetham, Rajiv Senapati, A Novel Decentralized Security Architecture for the Centralized Storage System in Hadoop using Blockchain Technology, I2CT, 2022, Just Accepted, DOI: 10.1109/I2CT54291.2022.9823990
- 37. S. S. Manna, Soumyajyoti Biswas and B. K. Chakrabarti, Near universal values of social inequality indices in self-organized critical models, Physica A: Statistical Mechanics and its Applications, 2022, 596, DOI: 10.1016/j.physa.2022.127121
- 36.Denslin Brabin, Christo Ananth & Sriramulu Bojjagani, Blockchain-Based Security Framework for Sharing Digital Images using Reversible Data Hiding and Encryption, Multimedia Tools and Applications, 2022, Just Accepted, DOI: 10.1007/s11042-022-12617-5
- 35. Jogeswar Tripathy ,Rasmita Dash ,Binod Kumar Pattanayak ,Sambit Kumar Mishra ,Tapas Kumar Mishra,Deepak Puthal, Combination of Reduction Detection using TOPSIS for Gene Expression Data Analysis, Big Data and Cognitive Computing, 2022, 6,1,24, DOI: 10.3390/bdcc6010024
- 34.LeninbabuDhandrapati,SreenivasuluTupakula, A Novel 8-Channel DWDM demultiplexer on Silicon Photonic Crystal slab: Design and Analysis, Optik, 2022, 256, DOI: 10.1016/j.ijleo.2022.168734
- 33. Vimal Babu, Amresh kumar, vipin kumar, Exploring mindfulness and leadership development: Lessons learnt using grounded theory through the study of the performing arts, FIIB Business Review, 2022, Just Accepted, DOI: 10.1177/23197145221088643
- 32.Prakash Jadav, Abradable Coatings: Design Through Microstructure Based Models, Material Today Proceedings, 2022, 62, 7353-7357, DOI: 10.1016/j.matpr.2022.02.021
- 31. Nitin KumarAgarwal,MadanKumar,PoojaGhosh,Smita S.Kumar,LakhveerSingh,Virendra KumarVijay,VivekKumar, Anaerobic digestion of sugarcane bagasse for biogas production and digestate valorization, Chemosphere, 2022, 295, DOI: 10.1016/j.chemosphere.2022.133893
- 30. V. G. Vasavi Dutt, Syed Akhil, Rahul Singh, Manoj Palabathuni, and Nimai Mishra, High-Quality CsPbX3 (X= Cl, Br, or I) Perovskite Nanocrystals Using Ascorbic Acid Post-Treatment: Implications for Light-Emitting Applications, ACS Applied Nano Materials , 2022, 5, 5, 5972–5982, DOI: 10.1021/acsanm.1c04312
- 29. M.S.S.R.Tejaswini,PankajPathak,SeeramRamkrishna,P. SankarGanesh, A comprehensive review on Integrative Approach for Sustainable Management of Plastic Waste and its associated Externalities, Science of the Total Environment, 2022, 825, DOI: 10.1016/j.scitotenv.2022.153973
- 28. A.Lakshmana Rao, Sreya.B, IMPACT OF VARIOUS METHODS OF LEARNING IN HIGHER EDUCATION IN THE EMERGING ENVIRONMENT, Paideuma Journal of Research, 2022, Just Accepted
- 27. Subrata Karmakar, Bidisha Mukherjee, Alka B. Garg, Deepak S. Gavali, Ranjit Thapa, Saheli Banerjee, Goutam Dev Mukherjee, Ariful Haque, and Dhrubananda Behera, Structural Metamorphosis and Bands Dislocation of Trirutile NiTa2O6 under Compression, Journal of Physical Chemistry C, 2022, 126, 8, 4106–4117, DOI: https://doi.org/10.1021/acs.jpcc.1c10896



- 26. Anitha Rani Inturi, V. M. Manikandan & Vignesh Garrapally, A Novel Vision-Based Fall Detection Scheme using Keypoints of Human-Skeleton with Long Short-term Memory Network, Arabian Journal for Science and Engineering, 2022, Just Accepted, DOI:https://doi.org/10.1007/s13369-022-06684-x
- 25. Jayaseelan Murugaiyan,P. Anand Kumar,G. Srinivasa Rao,Katia Iskandar,Stephen Hawser ,John P. Hays,Yara Mohsen ,Saranya Adukkadukkam ,Wireko Andrew Awuah ,Ruiz Alvarez Maria Jose ,Nanono Sylvia ,Esther Patience Nansubuga,Bruno Tilocca ,Paola Roncada ,Natalia Roson-Calro ,Javier Moreno-Morales ,Rohul Amin ,Ballamoole Krishna Kumar,Abishek Kumar ,Abdul-Rahman Toufik,Maarten B. M. van Dongen, Progress in Alternative Strategies to Combat Antimicrobial Resistance: Focus on Antibiotics , Antibiotics , 2022, 11(2), 200, DOI: 10.3390/antibiotics11020200
- 24. Giuseppe Toscani, Parongama Sen and Soumyajyoti Biswas, Kinetic exchange models of societies and economies, Philosophical Transactions A, 2022, 380, DOI:10.1098/rsta.2021.0170
- 23. Divya Chaturvedi, Ayman A. Althuwayb & Arvind Kumar, Bandwidth Enhancement of a Planar SIW Cavity-Backed Slot Antenna using Slot and Metallic-Shorting Via, Applied Physics A, 2022, 128, 193, DOI: 10.1007/s00339-022-05309-2
- 22. Divya Chaturvedi, Ayman A. Althuwayb, A Triple-Band Dual-Fed Frequency-Flexible SIW Cavity-Backed Slot Antenna, International Journal of RF and Microwave Wireless Technologies, 2022, 1-7, DOI: 10.1017/S1759078722000241
- 21. Katia Iskandar ,Jayaseelan Murugaiyan,Dalal Hammoudi Halat,Said El Hage,Vindana Chibabhai, Saranya Adukkadukkam,Christine Roques ,Laurent Molinier,Pascale Salameh ,Maarten Van Dongen, Antibiotic Discovery and Resistance: The Chase and the Race, Antibiotics , 2022, 11(2), 182, DOI: 10.3390/antibiotics11020182
- 20. Mulagala Sandhya, Mahesh Kumar Morampudi, Indragante Pruthweraaj & Pranay Sai Garepally, Multi Instance Cancelable Iris Authentication using Triplet loss for Deep Learning models, Visual Computer, 2022, Just Accepted, DOI:10.1007/s00371-022-02429-x
- 19. Shivani Devaraj , Patibanda Sravani , Desaraju Sreesatya, V. M. Manikandan, A Novel Rule-Based Approach for Mining Personal Attributes from Image Pool, 7th International Conference for Convergence in Technology (I2CT), IEEE Bombay section, India, 2022, Just Accepted, DOI: 10.1109/I2CT54291.2022.9825134
- 18. Amit Kumar Singh, Rajendra Pamula, Gautam Srivastava, An Adaptive Energy Aware DTN-based Communication Layer for Cyber-Physical Systems, Sustainable Computing: Informatics and Systems, 2022, 35, DOI: 10.1016/j.suscom.2022.100657
- 17. Meka Varsha ,Sobin CC, Subheesh NP, Jahafar Ali, Misconceptions in Individualised Learning Environments (C-SMILE): An Innovative Assessment Tool for Engineering Education Settings, IEEE Global Engineering Education Conference EDUCON 2022 which will be hybrid (online and in-person), in Ramada Plaza Tunis Hotel, Tunisia, Peoceedigs in IEEE Xplore, 2022, Just Accepted, DOI: 10.1109/EDUCON52537.2022.9766572
- 16. S. Chakraborty, Kshira Sagar Sahoo, S. Mishra and S. Islam, AI Driven Cough Voice-Based COVID Detection Framework Using Spectrographic Imaging: An Improved Technology, IEEE 7th International Conference for Convergence in Technology (I2CT), 2022, Just Accepted, DOI: 10.1109/I2CT54291.2022.9825207



- 15. Satya Prakash Sahu, B. Ramachandra Reddy, Dev Mukherjee, D. M. Shyamla, and Bhim Singh Verma, A hybrid approach to software fault prediction using genetic programming and ensemble learning methods, International Journal of System Assurance Engineering and Management, 2022, 13, 1746–1760, DOI: 10.1007/s13198-021-01532-x
- 14. Jagniyant Lunagariya, Karan Chabhadiya, Pankaj Pathak, Deepak Mashru, Application of Taguchi method in activated carbon adsorption process of phenol removal from ceramic gasifier wastewater, Environmental Challenges, 2022,6, DOI:10.1016/j.envc.2022.100450
- 13. K.Rudharachari Maiyelvaganan, Muthuramalingam Prakash, Mahesh Kumar Ravva, Simultaneous Interaction of Graphene Nanoflakes with Cations and Anions: A Cooperativity Study, Computational and Theoretical Chemistry, 2022,1209, DOI: 10.1016/j.comptc.2022.113601
- 12. Kumar Babu Busi, Writoban Basu Ball, Sabyasachi Chakrabortty, The Multifarious Applications of Copper Nanoclusters in Biosensing and Bioimaging and Their Translational Role in Early Disease Detection, Nanomaterials, 2022, 12(3), 301, DOI: 10.3390/nano12030301
- 11. Rajapandiyan Panneerselvam, Detlev Belder, Hemanth Noothalapati, Anish Das, Eva-Maria Hohn, and Hasan Sadat, Microfluidics and surface-enhanced Raman spectroscopy, a win-win combination, Lab on a Chip, 2022, 22, 665-682, DOI:10.1039/D1LC01097B
- 10.Shaiju Panchikkil, V. M. Manikandan & Yu-Dong Zhang, A Pseudo-random Pixel Mapping with Weighted Mesh Graph Approach for Reversible Data Hiding in Encrypted Image, Multimedia Tools and Applications, 2022, 81,16279–16307, DOI: 10.1007/s11042-022-12350-z
- 9. Kshira Sagar Sahoo,Hrudaya Kumar Tripathy, Sushruta Mishra, Shubham Suman, Anand Nayyar, Smart COVID-shield: An IoT Driven Reliable and Automated Prototype for COVID-19 Symptoms Tracking, Computing Journal, 2022, 104,1233–1254, DOI: 10.1007/s00607-021-01039-0
- 8.Nishant Kumar, Pratibha Garg& Shailender Singh, Pro Environmental Purchase Intention Towards Eco-friendly Apparel: Extension of the theory of planned behavior model, Journal of Global Fashion Marketing, 2022, 13,2, DOI: 10.1080/20932685.2021.2016062
- 7.Shailender Singh , Muhammad Muazu Bala , Nishant Kumar, The Dynamics of Public and Private Health Expenditure on Health Outcome in Southeast Asia, Health and Social Care in the Community, 2022, 30,5, DOI:10.1111/hsc.13698
- 6. Priyanka Singh, K. Jyothsna Devi, Hiren Kumar Thakkar; Ketan Kotecha, Region-based Hybrid Medical Image Watermarking Scheme for Robust and Secured Transmission in IoMT, IEEE Access journal, 2022, 99,1-1, DOI: 10.1109/ACCESS.2022.3143801
- 5. Nitul Dutta, Shobhit K Patel, Osama S. Faragallah, Mohammed Baz, Ahmed Nabih Zaki Rashed, Caching Scheme for Information Centric Networks with Balanced Content Distribution, International Journal of Communication Systems, 2022, 35,7, DOI: 10.1002/dac.5104
- 4.Sriramulu Bojjagani, Denslin Brabin, Early DDoS Detection and Prevention with Traced-Back Blocking in SDN Environment, Automation & Soft Computing, 2022, 34,2, DOI: 10.32604/iasc.2022.023771
- 3. Puranjan Mishra, Lakhveer Singh, Pooja Ghosh, Techno-Economics and Life Cycle Assessment of Bioreactors: Post-Covid19 Waste Management Approach, Techno-Economics and Life Cycle Assessment of Bioreactors: Post-Covid19 Waste Management Approach, 2022, Just Accepted



- 2.Nitul Dutta, Sudeep Tanwar, Shobhit K. Patel, Gheorghita Ghinea, An SVM guided Interest packet forwarding strategy for Information Centric Networks, Applied Artificial Intelligence, 2022, 36(4),1-22, DOI: 10.1080/08839514.2021.2020488
- 1.Nitul Dutta, An approach for FIB construction and Interest packet forwarding in information centric networks, Future Generation Computer Systems, 2022, 130, 269-278, DOI: 10.1016/j.future.2022.01.005