VIT-AP UNIVERSITY

## Office of the Academic Research
## The publications in the years 2021

| SNO | Authors | Title | Source title | School | Month | Authors | Emp ID | Cited by | Document Type |
|---|---|---|---|---|---|---|---|---|---|
| 1 | Kambala V.K.; Jonnadula H. | A multi-task learning based hybrid prediction algorithm for privacy preserving human activity recognition framework | Bulletin of Electrical Engineering and Informatics | SCOPE | December | Dr. J Harikiran | 70110 | 7 | Article |
| 2 | Sahu S.K.; Badgayan N.D.; Samanta S.; Rama Sreekanth P.S. | Evaluation of Cell Parameter Variation on Energy Absorption Characteristic of Thermoplastic Honeycomb Sandwich Structure | Arabian Journal for Science and Engineering | SMEC | August | Dr. P S Rama Sreekanth | 70020 | 30 | Article |
| 3 | Pavan Kumar Y.V.; Bhimasingu R. | Design of voltage and current controller parameters using small signal model-based pole-zero cancellation method for improved transient response in microgrids | SN Applied Sciences | SENSE | November | Dr. Y V Pavan Kumar | 70049 | 18 | Article |
| 4 | Sharma L.D.; Chhabra H.; Chauhan U.; Saraswat R.K.; Sunkaria R.K. | Mental arithmetic task load recognition using EEG signal and Bayesian optimized K-nearest neighbor | International Journal of Information Technology (Singapore) | SENSE | October | Dr. Lakhan Dev Sharma | 70178 | 55 | Article |

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| 5 | Reddy N.N.; Panda D.K. | Performance analysis of Z-shaped gate dielectric modulated (DM) tunnel field-effect transistor-(TFET) based biosensor with extended horizontal N+ pocket | International Journal of Numerical Modelling: Electronic Networks, Devices and Fields | SENSE | June | Dr. Deepak Kumar Panda | 70074 | 24 | Article |
| 6 | Yallamandaiah S.; Purnachand N. | Convolutional neural network-based face recognition using non-subsampled shearlet transform and histogram of local feature descriptors | IAES International Journal of Artificial Intelligence | SENSE | September | Dr. Purnachand Nalluri | 70027 | 8 | Article |
| 7 | Salins S.S.; Reddy S.V.K.; Kumar S. | Experimental investigation of the influence of vapor compression refrigeration in a multistage reciprocating dehumidifier test rig | Applied Thermal Engineering | SMEC | November | Dr. Seelam Venkata Kota Reddy | 70227 | 12 | Article |
| 8 | Sharma L.D.; Bhattacharyya A. | A Computerized Approach for Automatic Human Emotion Recognition Using Sliding Mode Singular Spectrum Analysis | IEEE Sensors Journal | SENSE | December | Dr. Lakhan Dev Sharma | 70178 | 50 | Article |
| 9 | Reddy N.N.; Panda D.K. | Simulation Study of Dielectric Modulated Dual Material Gate TFET Based Biosensor by Considering Ambipolar Conduction | Silicon | SENSE | June | Dr. Deepak Kumar Panda | 70074 | 31 | Article |
| 10 | Reddy T.S.; Harikiran J. | DALF: An AI Enabled Adversarial Framework for Classification of Hyperspectral Images | Indonesian Journal of Electrical Engineering and Informatics | SCOPE | December | Dr. J Harikiran | 70110 | 1 | Article |

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| 11 | Hirpara Y.; Saha R. | TCAD simulation study on reliability issue of heterojunction heterodielectric FinFET: Effect of interface trap charge, BOX height and temperature | Pramana - Journal of Physics | SENSE | December | Yash Hirpara | No | 2 | Article |
| 12 | De A.; Roy B.; Bhattacharya A.; Bhattacharjee A.K. | Bandwidth-Enhanced Ultra-Wide Band Wearable Textile Antenna for Various WBAN and Internet of Things (IoT) Applications | Radio Science | SENSE | November | Dr. Bappadittya Roy | 70163 | 44 | Article |
| 13 | Patra K.K.; Panda S. | Free surface dynamics of thin second-grade fluid over a heated stretching sheet with variable fluid properties: long-wave modeling and simulation | Meccanica | SAS | August | Dr. Kiran Kumar Patra | 70146 | 3 | Article |
| 14 | Dias N.; Mouleeswaran S.K.; Reeja S.R. | A Systematic approach towards enhancing of Security and usability of graphical password through cognitive computing and data mining | Indian Journal of Computer Science and Engineering | SCOPE | December | Reeja S.R. | 70306 | 3 | Article |
| 15 | Chaudhary A. | Utilizing ultra-wideband with wireless telecommunications applications microstrip | International Journal of Advances in Applied Sciences | SCOPE | December | Abhay Chaudhary | No | 2 | Article |
| 16 | Batchu R.K.; Seetha H. | A generalized machine learning model for DDoS attacks detection using hybrid feature selection and hyperparameter tuning | Computer Networks | SCOPE | December | Dr. Hari Seetha | 70003 | 84 | Article |

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| 17 | Tripathy J.K.; Sethuraman S.C.; Cruz M.V.; Namburu A.; Mangalraj P.; Nandha Kumar R.; S S.I.; Vijayakumar V. | Comprehensive analysis of embeddings and pre-training in NLP | Computer Science Review | SCOPE | November | Dr. Anupama Namburu,Dr. Sibi Chakkaravarthy S,Dr. R. Nandha Kumar,Dr. Sudhakar Ilango,Dr. Mangalraj, | 7.01E+24 | 40 | Review |
| 18 | Kompally P.; Sethuraman S.C.; Reddy S.; Koduri C.; Naidu Y.; Raghavaiah M.; Reddy S.; Nikhil N. | VISU: A 3D printed functional robot for human pose replication | Journal of Scientific and Industrial Research | SCOPE | July | Dr. Sibi Chakkaravarthy S | 70084 | 0 | Article |
| 19 | Jain A.K.; Sahoo S.R.; Kaubiyal J. | Online social networks security and privacy: comprehensive review and analysis | Complex and Intelligent Systems | SCOPE | October | Dr. Somya Ranjan Sahoo | 70167 | 286 | Article |
| 20 | Singh R.; Lenka T.R.; Panda D.K.; Nguyen H.P.T. | Investigation of β-Ga2O3-based HEMTs using 2D Simulations for low noise amplification and RF applications | Engineering Research Express | SENSE | September | Panda D.K | 70074 | 9 | Article |
| 21 | Salins S.S.; Kota Reddy S.V.; Shiva Kumar | Experimental Investigation and Neural network based parametric prediction in a multistage reciprocating humidifier | Applied Energy | SMEC | November | Dr. Seelam Venkata Kota Reddy | 70227 | 29 | Article |

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| 22 | Hirpara Y.; Saha R. | Analysis on DC and RF/Analog Performance in Multifin-FinFET for Wide Variation in Work Function of Metal Gate | Silicon | SENSE | February | Dr. Rajesh saha | No | 27 | Article |
| 23 | Nawaz M.A.; Seshadri U.; Kumar P.; Aqdas R.; Patwary A.K.; Riaz M. | Nexus between green finance and climate change mitigation in N-11 and BRICS countries: empirical estimation through difference in differences (DID) approach | Environmental Science and Pollution Research | VSB | February | Dr. Usha Seshadri | 70114 | 359 | Article |
| 24 | Rajesh K.N.V.P.S.; Dhuli R.; Kumar T.S. | Obstructive sleep apnea detection using discrete wavelet transform-based statistical features | Computers in Biology and Medicine | SENSE | February | Dr. Ravindra Dhuli | 70053 | 52 | Article |
| 25 | Sujith R.; Jothi S.; Zimmermann A.; Aldinger F.; Kumar R. | Mechanical behaviour of polymer derived ceramics–a review | International Materials Reviews | SAS | January | Jothi, Sudagar | 70033 | 73 | Review |
| 26 | Reddy N.N.; Panda D.K. | A Comprehensive Review on Tunnel Field-Effect Transistor (TFET) Based Biosensors: Recent Advances and Future Prospects on Device Structure and Sensitivity | Silicon | SENSE | June | Dr. Deepak Kumar Panda | 70074 | 130 | Review |
| 27 | Dwivedi S. | Detecting anonymous attacks in wireless communication medium using adaptive grasshopper optimization algorithm | Cognitive Systems Research | SCOPE | June | Dr. Shubhra Dwivedi | 70213 | 13 | Article |

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| 28 | Rao K.S.; Kumar Y.V.P. | Comprehensive Modelling of Renewable Energy Based Microgrid for System Level Control Studies | International Journal of Renewable Energy Research | SENSE | April | Dr. Y V Pavan Kumar | 70049 | 4 | Article |
| 29 | Kondaveeti H.K.; Kumaravelu N.K.; Vanambathina S.D.; Mathe S.E.; Vappangi S. | A systematic literature review on prototyping with Arduino: Applications, challenges, advantages, and limitations | Computer Science Review | SCOPE | June | Dr. Hari Kishan Kondaveeti | 70071 | 283 | Review |
| 30 | Chavva S.R.; Sangam R.S. | LeHE-MRP: leveraging health monitoring by enhancing throughput of multi-hop routeing protocol in WBANs | Journal of Medical Engineering and Technology | SCOPE | May | Dr. Ravi Sankar Sangam | 70043 | 3 | Letter |
| 31 | Nagarajan S.M.; Deverajan G.G.; Chatterjee P.; Alnumay W.; Ghosh U. | Effective task scheduling algorithm with deep learning for Internet of Health Things (IoHT) in sustainable smart cities | Sustainable Cities and Society | SCOPE | May | Dr. Senthil Murugan | 70276 | 124 | Article |
| 32 | Hemaja V.; Panda D.K. | Dielectric Modulated Enhancement Mode N-Polar GaN MIS-HEMT Biosensor for Label Free Detection | ECS Journal of Solid State Science and Technology | SENSE | March | Dr. Deepak Kumar Panda | 70074 | 15 | Article |
| 33 | Tian Y.; Wang T.; Zhu Q.; Zhang X.; Ethiraj A.S.; Geng W.-M.; Geng H.-Z. | High-performance transparent pedot: Pss/cnt films for oleds | Nanomaterials | SAS | August | Dr. Anita Sagadevan Ethiraj | 70091 | 36 | Article |

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| 34 | Devarakonda N.; Kavitha D.; Kamarajugadda R. | Escape the traffic congestion using brainstorming optimization algorithm and density peak clustering | Ingenierie des Systemes d'Information | SCOPE | August | Dr. Nagaraju Devarakonda | 70104 | 2 | Article |
| 35 | Dalai N.; Sreekanth P.S.R. | UHMWPE / nanodiamond nanocomposites for orthopaedic applications: A novel sandwich configuration based approach | Journal of the Mechanical Behavior of Biomedical Materials | SMEC | February | Dr. P S Rama Sreekanth | 70020 | 25 | Article |
| 36 | Rajabathar J.R.; Al-Lohedan H.A.; Arokiyaraj S.; Issa Z.A.; Dash C.S.; Murugesan S.; Pasha S.K.K.; Al-Dhayan D.M.; Appaturi J.N. | Characterization of pure rutile titania nanoparticle prepared by feasible method for coatings and visible light-driven dye removal application | Coatings | SAS | October | Dr. Khadheer Pasha Sk | 70012 | 13 | Article |
| 37 | Sharma R.; Raju C.S.; Animasaun I.L.; Santhosh H.B.; Mishra M.K. | Insight into the significance of Joule dissipation, thermal jump and partial slip: Dynamics of unsteady ethelene glycol conveying graphene nanoparticles through porous medium | Nonlinear Engineering | SAS | March | Dr. Manoj Kumar Mishra | 70064 | 22 | Article |
| 38 | Yadav P.H.; Mohanty D.K. | Investigation of natural frequency and damping ratio due to flow-induced vibration in a finned tube subjected to cross-flow | International Review of Mechanical Engineering | SMEC | July | Dr. Dilipkumar Mohanty | 70016 | 6 | Article |
| 39 | Pavitra E.; Raju G.S.R.; Varaprasad G.L.; Chodankar N.R.; Rao M.V.B.; Rao N.M.; Park J.Y.; Han Y.-K.; Huh Y.S. | Desired warm white light emission from a highly photostable and single-component Gd2TiO5:Dy3+/Eu3+ nanophosphors for indoor illuminations | Journal of Alloys and Compounds | SAS | May | Dr. N Madhusudhana Rao | 70005 | 19 | Article |

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| 40 | Suranjan Salins S.; Sreekumaran Nair P.; Kota Reddy S.V.; Kumar S. | Experimental investigations of humidification parameters and transient analysis in a rotating centrifugal humidifier | Journal of Building Engineering | SMEC | June | Dr. Seelam Venkata Kota Reddy | 70227 | 14 | Article |
| 41 | Chandrakala C.; Siva Sesha Reddy A.; Kostrzewa M.; Purnachand N.; Venkatramaiah N.; Naga Raju G.; Ravi Kumar V.; Veeraiah N. | Dielectric Relaxation Dynamics and Polaronic Tunneling Conduction Mechanism of Electrical Conductivity of Fe2O3-Doped PbO–ZrO2–SiO2 Glass Ceramics | Physica Status Solidi (A) Applications and Materials Science | SENSE | August | Purnachand N. | 70027 | 12 | Article |
| 42 | Rahul J.; Sharma L.D. | An enhanced T-wave delineation method using phasor transform in the electrocardiogram | Biomedical Physics and Engineering Express | SENSE | July | Dr. Lakhan Dev Sharma | 70178 | 6 | Article |
| 43 | Raju Y.H.P.; Devarakonda N. | A cluster medoid approach for cloud task scheduling | International Journal of Knowledge-Based and Intelligent Engineering Systems | SCOPE | April | Dr. Nagaraju Devarakonda | 70104 | 7 | Article |
| 44 | Mehfooza M.; Haroon Basha I. | An automated prescriptive domain data preprocessing algorithm to support multilabel-multicriteria classification for Indian coastal dataset, crop dataset, and breast cancer dataset | International Journal of Communication Systems | SCOPE | June | Dr. Mehfooza Munavar Basha | 70275 | 7 | Article |
| 45 | Ethiraj A.S.; Rhen D.S.; Soldatov A.V.; Ali G.A.M.; Bakr Z.H. | Efficient and recyclable Cu incorporated TiO2 nanoparticle catalyst for organic dye photodegradation | International Journal of Thin Film Science and Technology | SAS | August | Dr. Anita Sagadevan Ethiraj | 70091 | 36 | Article |

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| 46 | Durai G.; Kuppusami P.; Arulmani S.; Anandan S.; Khadeer Pasha S.; Kheawhom S. | Microstructural and electrochemical supercapacitive properties of Cr-doped CuO thin films: Effect of substrate temperature | International Journal of Energy Research | SAS | August | Dr. Khadheer Pasha Sk | 70012 | 29 | Article |
| 47 | Tripathi D.; Ramachandra Reddy B.; Padmanabha Reddy Y.C.A.; Shukla A.K.; Kumar R.K.; Sharma N.K. | BAT algorithm based feature selection: Application in credit scoring | Journal of Intelligent and Fuzzy Systems | SCOPE | November | Dr. Alok Kumar Shukla | 70206 | 8 | Article |
| 48 | Singh A.; Pandey C.K.; Chaudhury S.; Sarkar C.K. | Tuning of Threshold Voltage in Silicon Nano-Tube FET Using Halo doping and its Impact on Analog/RF Performances | Silicon | SENSE | September | Dr. Chandan Kumar Pandey | 70155 | 18 | Article |
| 49 | Samuel P.; Subbaiyan S.; Balusamy B.; Doraikannan S.; Gandomi A.H. | A Technical Survey on Intelligent Optimization Grouping Algorithms for Finite State Automata in Deep Packet Inspection | Archives of Computational Methods in Engineering | SCOPE | May | Dr. D Sumathi | 70122 | 23 | Article |
| 50 | Joshi A.M.; Jain P.; Mohanty S.P. | Everything You Wanted to Know about Continuous Glucose Monitoring | IEEE Consumer Electronics Magazine | SENSE | November | Dr. Prateek Jain | 70187 | 29 | Article |
| 51 | Rahul J.; Sora M.; Sharma L.D.; Bohat V.K. | An improved cardiac arrhythmia classification using an RR interval-based approach | Biocybernetics and Biomedical Engineering | SENSE | June | Dr. Lakhan Dev Sharma | 70178 | 92 | Article |

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| 52 | Sanyal S.; Singh V.K.; Xhafa F.; Sanyal B.; Mukhopadhyay S. | A game theoretic framework for surplus food distribution in smart cities and beyond | Applied Sciences (Switzerland) | SCOPE | June | Dr. Mukhopadhyay S | No | 12 | Article |
| 53 | Yadav P.H.; Mohanty D.K. | EXPERIMENTAL STUDIES ON THE EFFECT OF FIN GEOMETRY ON FLUID-ELASTIC INSTABILITY OF PARALLEL TRIANGULAR FINNED TUBE ARRAY | International Journal of Fluid Mechanics Research | SMEC | April | Dr. Dilipkumar Mohanty | 70016 | 2 | Article |
| 54 | Sakthinathan I.; Mahendran M.; Krishnan K.; Karuthapandi S. | Selenium tethered copper phthalocyanine hierarchical aggregates as electrochemical hydrogen evolution catalysts | Sustainable Energy and Fuels | SAS | July | Dr. Selvakumar Karuthapandi | 70119 | 9 | Article |
| 55 | Ningthoujam S.; Chakraborty S.K. | Implementing Single Path and Multipath Techniques Under Feedback Channel for Molecular Communication | Wireless Personal Communications | SCOPE | June | Dr. Sanjit Ningthoujam | 70147 | 3 | Article |
| 56 | Gopikrishnan S.; Priakanth P.; Srivastava G. | DEDC: Sustainable data communication for cognitive radio sensors in the Internet of Things | Sustainable Computing: Informatics and Systems | SCOPE | March | Dr. Gopikrishnan S | 70107 | 15 | Article |
| 57 | Barik N.B.; Tatavarthi V.S.S. | A modified multilevel meshfree algorithm for steady convection-diffusion problems | International Journal for Numerical Methods in Fluids | SAS | March | Dr. Nikunja Bihari Barik | 70057 | 4 | Article |

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| 58 | Matle S. | A 2D numerical ocean model on the Coriolis and wind stress effects using Stochastics | Theoretical and Applied Mechanics Letters | SAS | May | Dr. M Sudhakar | 70015 | 2 | Article |
| 59 | Dandu S.; Rage K.; Raj M.S.; Mishra N.; Sivakumar D.; Mohan S. | Practical approach to the defect prediction model for software testing | Journal of Nuclear Energy Science and Power Generation Technology | SCOPE | September | Dr. Dandu Sujatha | 70298 | 0 | Article |
| 60 | Kumar P.; Seshadri U.; Paramaiah C. | Business recovery strategies for adversely affected industries in the UAE-covid-19 crisis response | Academy of Strategic Management Journal | VSB | June | Dr. Usha Seshadri | 70114 | 5 | Article |
| 61 | Reddy N.N.; Panda D.K. | Nanowire gate all around-TFET-based biosensor by considering ambipolar transport | Applied Physics A: Materials Science and Processing | SENSE | June | Dr. Deepak Kumar Panda | 70074 | 46 | Article |
| 62 | Shukla A.K. | Detection of anomaly intrusion utilizing self-adaptive grasshopper optimization algorithm | Neural Computing and Applications | SCOPE | July | Dr. Alok Kumar Shukla | 70206 | 40 | Article |
| 63 | Rahul J.; Sharma L.D.; Bohat V.K. | Short duration Vectorcardiogram based inferior myocardial infarction detection: Class and subject-oriented approach | Biomedizinische Technik | SENSE | June | Dr. Lakhan Dev Sharma | 70178 | 14 | Article |

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| 64 | Lijo V.P.; Seetha H. | Tweets sentiment analysis using multi-lexicon features and SMO | International Journal of Embedded Systems | SCOPE | May | Dr. Hari Seetha | 70003 | 5 | Article |
| 65 | Thangamani G.J.; Deshmukh K.; Nambiraj N.A.; Pasha S.K.K. | Chemiresistive gas sensors based on vanadium pentoxide reinforced polyvinyl alcohol/polypyrrole blend nanocomposites for room temperature LPG sensing | Synthetic Metals | SAS | February | Dr. Khadheer Pasha Sk | 70012 | 46 | Article |
| 66 | Satapathy S.; Loganathan D.; Kondaveeti H.K.; Rath R. | Performance analysis of machine learning algorithms on automated sleep staging feature sets | CAAI Transactions on Intelligence Technology | SCOPE | May | Dr. Hari Kishan Kondaveeti | 70071 | 51 | Article |
| 67 | Chakravarthi M.K.; Venkatesan N. | Experimental transfer function based multi-loop adaptive shinskey PI control for high dimensional mimo systems | Journal of Engineering Science and Technology | SENSE | October | Mr. Maddikera Kalyan Chakravarthi | 70011 | 7 | Article |
| 68 | Sethuraman S.C.; Kompally P.; Reddy S. | VISU: A 3-D Printed Functional Robot for Crowd Surveillance | IEEE Consumer Electronics Magazine | SCOPE | January | Dr. Sibi Chakkaravarthy S | 70084 | 6 | Article |
| 69 | Kompally P.; Sethuraman S.C.; Walczak S.; Johnson S.; Cruz M.V. | Malang: A decentralized deep learning approach for detecting abusive textual content | Applied Sciences (Switzerland) | SCOPE | September | Dr. Sibi Chakkaravarthy S,Mr. Samuel Johnson Israel K | 7.01E+09 | 9 | Article |

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| 70 | Suranjan Salins S.; Shiva K.; Reddy S.V.K. | Experimental investigation of transient thermal comfort for the indoor vegetation | International Journal of Sustainable Energy | SMEC | February | Dr. Seelam Venkata Kota Reddy | 70227 | 3 | Article |
| 71 | De A.; Roy B.; Bhattacharjee A.K. | Miniaturized dual band consumer transceiver antenna for 5G-enabled IoT-based home applications | International Journal of Communication Systems | SENSE | May | Dr. Bappadittya Roy | 70163 | 15 | Article |
| 72 | Ankur; Shum K.P. | Theta series and weight enumerator over an imaginary quadratic field | Asian-European Journal of Mathematics | SAS | July | Dr. Ankur | 70117 | 1 | Article |
| 73 | Yallamandaiah S.; Purnachand N. | An effective face recognition method using guided image filter and convolutional neural network | Indonesian Journal of Electrical Engineering and Computer Science | SENSE | September | Dr. Purnachand Nalluri | 70027 | 8 | Article |
| 74 | Shaik T.; Dhuli R. | Outage performance of NOMA with interference over κ-μ shadowed faded channels | AEU - International Journal of Electronics and Communications | SENSE | May | Dhuli, Ravindra | 70053 | 16 | Article |
| 75 | Sethuraman S.C.; Kompally P.; Mohanty S.P.; Choppali U. | MyWear: A Novel Smart Garment for Automatic Continuous Vital Monitoring | IEEE Transactions on Consumer Electronics | SCOPE | June | Dr. Sibi Chakkaravarthy S | 70084 | 58 | Article |

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| 76 | Sherin Jose T.; Patra K.K.; Panda S. | Modeling and simulation of capillary ridges on the free surface dynamics of third-grade fluid | Zeitschrift fur Naturforschung - Section A Journal of Physical Sciences | SAS | February | Dr. Kiran Kumar Patra | 70146 | 3 | Article |
| 77 | Thangamani G.J.; Deshmukh K.; Kovářík T.; Nambiraj N.A.; Ponnamma D.; Sadasivuni K.K.; Khalil H.P.S.A.; Pasha S.K.K. | Graphene oxide nanocomposites based room temperature gas sensors: A review | Chemosphere | SAS | May | Dr. Khadheer Pasha Sk | 70012 | 73 | Article |
| 78 | Rahul J.; Sora M.; Sharma L.D. | Dynamic thresholding based efficient QRS complex detection with low computational overhead | Biomedical Signal Processing and Control | SENSE | March | Dr. Lakhan Dev Sharma | 70178 | 37 | Article |
| 79 | Pal M.K. | Liquid and vapor phase behavior of high pressure n-hexane spray | Journal of Flow Visualization and Image Processing | SMEC | February | Dr. Manas Kumar Pal | 70139 | 5 | Article |
| 80 | Sharma N.; Mishra L.N.; Mishra V.N.; Pandey S. | Solution of delay differential equation via Nv1iteration algorithm | European Journal of Pure and Applied Mathematics | SAS | February | Dr. Shikha Pandey | No | 24 | Article |
| 81 | Polinati S.; Bavirisetti D.P.; Rajesh K.N.V.P.S.; Naik G.R.; Dhuli R. | The fusion of mri and ct medical images using variational mode decomposition | Applied Sciences (Switzerland) | SENSE | November | Dr. Ravindra Dhuli | 70053 | 27 | Article |

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| 82 | Sahoo M.; Pradhan J. | Using Three Delay Model to Understand the Social Factors Responsible for Neonatal Deaths Among Displaced Tribal Communities in India | Journal of Immigrant and Minority Health | VISH | March | Dr. Madhulika Sahoo | 70094 | 9 | Article |
| 83 | Devarakonda N.; Saidala R.K.; Kamarajugadda R. | A Hybrid between TOA and Levy Flight Trajectory for Solving Different Cluster Problems | International Journal of Cognitive Informatics and Natural Intelligence | SCOPE | July | Dr. Nagaraju Devarakonda | 70104 | 2 | Article |
| 84 | Rahul J.; Sora M.; Sharma L.D. | A novel and lightweight P, QRS, and T peaks detector using adaptive thresholding and template waveform | Computers in Biology and Medicine | SENSE | March | Dr. Lakhan Dev Sharma | 70178 | 46 | Article |
| 85 | Kumar J. | Higher-order mode substrate integrated rectangular patch antenna | AEU - International Journal of Electronics and Communications | SENSE | August | Dr. Jayendra Kumar | 70077 | 5 | Article |
| 86 | Pavithra C.; Madhuri W.; Roopas Kiran S. | Effects of synthesis and sintering temperature in BCT-BST ceramics | Materials Chemistry and Physics | SAS | June | Dr. Roopas Kiran Sirugudu | 70031 | 22 | Article |
| 87 | Salins S.S.; Reddy S.V.K.; Kumar S. | Effect of Camshaft Speed and Packing Thickness on a Multistage Reciprocating Dehumidifier using Analytical Approach | Engineered Science | SMEC | December | Dr. Seelam Venkata Kota Reddy | 70227 | 4 | Article |

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| 88 | Treanţta S.; Jha S. | On well-posedness associated with a class of controlled variational inequalities | Mathematical Modelling of Natural Phenomena | SAS | September | Dr. Shalini | 70118 | 11 | Article |
| 89 | Prakash K.P.; Kumar Y.V.P. | Simple and effective descriptive analysis of missing data anomalies in smart home energy consumption readings | Journal of Energy Systems | SENSE | November | Dr. Y V Pavan Kumar | 70049 | 19 | Article |
| 90 | Biswal S.M.; Das S.K.; Misra S.; Nanda U.; Jena B. | Study on Analog/RF and Linearity Performance of Staggered Heterojunction Gate Stack Tunnel FET | ECS Journal of Solid State Science and Technology | SENSE | July | Dr. Umakanta Nanda | 70055 | 16 | Article |
| 91 | Kumar P.B.; Suripeddi S. | A note on the pulsatile flow of hydromagnetic Eyring–Powell nanofluid through a vertical porous channel | European Physical Journal: Special Topics | SAS | July | Suripeddi, Srinivas | 70004 | 19 | Article |
| 92 | Sun Z.; Liu Y.; Wang J.; Li G.; Anil C.; Li K.; Guo X.; Sun G.; Tian D.; Cao D. | Applications of Game Theory in Vehicular Networks: A Survey | IEEE Communications Surveys and Tutorials | SCOPE | August | Dr. Anil Carie | 70168 | 71 | Article |
| 93 | Thangamani G.J.; Pasha S.K.K. | Titanium dioxide (TiO2) nanoparticles reinforced polyvinyl formal (PVF) nanocomposites as chemiresistive gas sensor for sulfur dioxide (SO2) monitoring | Chemosphere | SAS | March | Dr. Khadheer Pasha Sk | 70012 | 73 | Article |

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| 94 | Ray P.P.; Tarai S.; Mishra B.; Tripathy S.K. | Cosmological Models with Big Rip and Pseudo Rip Scenarios in Extended Theory of Gravity | Fortschritte der Physik | SAS | September | Dr. Pratik Premadarshi Ray | 70191 | 6 | Article |
| 95 | Palanisamy G.; Bhuvaneswari K.; Bharathi G.; Pazhanivel T.; Grace A.N.; Pasha S.K.K. | Construction of magnetically recoverable ZnS–WO3–CoFe2O4 nanohybrid enriched photocatalyst for the degradation of MB dye under visible light irradiation | Chemosphere | SAS | June | Pasha, S.K. Khadheer | 70012 | 79 | Article |
| 96 | Dasari K.B.; Devarakonda N. | Detection of different DDoS attacks using machine learning classification Algorithms | Ingenierie des Systemes d'Information | SCOPE | October | Dr. Nagaraju Devarakonda | 70104 | 27 | Article |
| 97 | Kumar V.R.; Purnachand N.; Kumar Reddy B.N.; Kumar V.R.; Gandhi Y.; Ragavaiah B.V. | NIR luminescence features of Nd3+ ion in lithium antimonite glass system | Physica B: Condensed Matter | SENSE | January | Dr. Purnachand Nalluri | 70027 | 8 | Article |
| 98 | Wang T.; Jing L.-C.; Bao Z.; Qian P.; Geng W.; Ethiraj A.S.; Geng W.-H.; Chen L.; Zhu Q.; Geng H.-Z. | Strong adhesion and high optoelectronic performance hybrid graphene/carbon nanotubes transparent conductive films for green-light OLED devices | Surfaces and Interfaces | SAS | May | Dr. Anita Sagadevan Ethiraj | 70091 | 28 | Article |
| 99 | Gautam P.; Sunkaria R.K.; Sharma L.D. | Digitisation of paper-ECG using column wise-median approach | International Journal of Computer Applications in Technology | SENSE | February | Dr. Lakhan Dev Sharma | 70178 | 4 | Article |

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| 100 | Shalini Chaudhary; Chaudhary A.; Rajak S.K.; Kaya S.; Elik M.; Chakraborty T. | Theoretical computation of normalised radii, density and global hardness as a function of orbital exponent | Journal of Mathematical Chemistry | SCOPE | March | Abhay Chaudhary | No | 1 | Article |
| 101 | Kumar C.K.; Srinivas S. | Pulsating hydromagnetic flow of Casson fluid in a vertical channel filled with non-Darcian porous medium | Heat Transfer | SAS | March | Dr. S Srinivas | 70004 | 7 | Article |
| 102 | Bhattacharya A.; Roy B.; Bhattacharjee A.K. | Compact, Isolation Enhanced, Band-Notched SWB–MIMO Antenna Suited for Wireless Personal Communications | Wireless Personal Communications | SENSE | February | Roy, Bappadittya | 70163 | 24 | Article |
| 103 | Kiran S.U.; Kumar P.M.; Kumar Y.V.P. | Comprehensive Analysis on Critical Factors for the Operation of Advanced High Gain DC-DC Converters Used in Renewable Energy Applications | International Journal of Renewable Energy Research | SENSE | January | Dr. Y V Pavan Kumar | 70049 | 5 | Article |
| 104 | Karmakar S.; Mudiganti J.C. | Design of the interaction cavity for a 110-GHz, 1.5-MW Gyrotron | Journal of Electromagnetic Waves and Applications | SENSE | May | Dr. Jagadish Chandra Mudiganti | 70014 | 0 | Article |
| 105 | Tripathi D.; Edla D.R.; Bablani A.; Shukla A.K.; Reddy B.R. | Experimental analysis of machine learning methods for credit score classification | Progress in Artificial Intelligence | SCOPE | March | Dr. Alok Kumar Shukla | 70206 | 40 | Review |

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| 106 | Ojha K.L.; Barik N.B.; Dash G.C.; Das M. | Fully developed MHD mixed convective flow through a composite system in a vertical channel | Numerical Heat Transfer, Part B: Fundamentals | SAS | July | Dr. Nikunja Bihari Barik | 70057 | 3 | Article |
| 107 | Zhang X.; Liu Y.; Xu X.; Huang Q.; Mao H.; Carie A. | Structural relational inference actor-critic for multi-agent reinforcement learning | Neurocomputing | SCOPE | July | Dr. Anil Carie | 70168 | 23 | Article |
| 108 | Gounder Thangamani J.; Khadheer Pasha S.K. | Hydrothermal synthesis of copper (ll) oxide-nanoparticles with highly enhanced BTEX gas sensing performance using chemiresistive sensor | Chemosphere | SAS | August | Khadheer Pasha S.K | 70012 | 65 | Article |
| 109 | Saha R.; Hirpara Y.; Hoque S. | Sensitivity Analysis on Dielectric Modulated Ge-Source DMDG TFET Based Label-Free Biosensor | IEEE Transactions on Nanotechnology | SENSE | August | Hirpara Y. Student | No | 97 | Article |
| 110 | Sharma A.; Morchhale A.; V.k. A.; Ravindran S.; Jothi S. | Biodegradability of Magnesium and Graphene Nanoplatelet Reinforced Magnesium in Simulated Body Fluids | ECS Journal of Solid State Science and Technology | SAS | August | Dr. J Sudagar | 70033 | 2 | Article |
| 111 | Zhu Z.-R.; Geng W.; Zhu Q.; Ethiraj A.S.; Wang T.; Jing L.-C.; Ning Y.-J.; Tian Y.; Geng W.-H.; Wu L.; Geng H.-Z. | Highly transparent, low sheet resistance and stable Tannic acid modified-SWCNT/AgNW double-layer conductive network for organic light emitting diodes | Nanotechnology | SAS | January | Dr. Anita Sagadevan Ethiraj | 70091 | 36 | Article |

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| 112 | Devi A.D.; Krishnakumar K.; Sinuvasan R.; Leach P.G.L. | Symmetries and integrability of the modified Camassa–Holm equation with an arbitrary parameter | Pramana - Journal of Physics | SAS | June | Sinuvasan R | 70116 | 1 | Article |
| 113 | Salins S.S.; Kota Reddy S.V.; Kumar S. | Effect of climatic conditions on the performance of a multistage dynamic dehumidifier test rig | Building and Environment | SMEC | November | Dr. Seelam Venkata Kota Reddy | 70227 | 9 | Article |
| 114 | Sahoo M.; Pradhan J. | Reproductive health care status of the displaced tribal women in India: An analysis using Nussbaum Central human capabilities | Health Care for Women International | VISH | March | Dr. Madhulika Sahoo | 70094 | 16 | Article |
| 115 | Reddy G.P.; Kumar Y.V.P. | Retrofitted IoT Based Communication Network with Hot Standby Router Protocol and Advanced Features for Smart Buildings | International Journal of Renewable Energy Research | SENSE | September | Dr. Y V Pavan Kumar | 70049 | 17 | Article |
| 116 | Wang T.; Wang Y.-Z.; Jing L.-C.; Zhu Q.; Ethiraj A.S.; Geng W.; Tian Y.; Zhu Z.; Meng Z.; Geng H.-Z. | Novel biodegradable and ultra-flexible transparent conductive film for green light OLED devices | Carbon | SAS | January | Dr. Anita Sagadevan Ethiraj | 70091 | 60 | Article |
| 117 | Ravichandran D.; Akilan R.; Vinnarasi S.; Shankar R.; Khadheer pasha S.K.; Manickam S. | Tuning the reactivity of tri-s-triazine, trinitro-tri-s-triazine and ternary tri-s-triazine graphitic C3N4 quantum dots through H-functionalized and B-doped complexes: A density functional study | Chemosphere | SAS | June | Dr. Khadheer Pasha Sk | 70012 | 8 | Article |

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| 118 | Kollipara V.; Peddakrishna S.; Kumar J. | Planar EBG Loaded UWB Monopole Antenna with Triple Notch Characteristics | International Journal of Engineering and Technology Innovation | SENSE | September | Dr. Samineni Peddakrishna,Dr. Jayendra Kumar | 7.01E+09 | 14 | Article |
| 119 | Halder A.K.; Charalambous K.; Sinuvasan R.; Leach P.G.L. | Lie algebra of coupled higher-dimensional forced Burgers' equation | Afrika Matematika | SAS | November | Sinuvasan R. | 70116 | 0 | Article |
| 120 | Karmakar S.; Mudiganti J.C. | Design of the interaction cavity extending to the nonlinear taper for a 10 kw, W-band gyrotron | Journal of Electromagnetic Waves and Applications | SENSE | May | Dr. Jagadish Chandra Mudiganti | 70014 | 0 | Article |
| 121 | Usman M.; Carie A.; Marapelli B.; Bedru H.D.; Biswas K. | A Human-in-the-Loop Probabilistic CNN-Fuzzy Logic Framework for Accident Prediction in Vehicular Networks | IEEE Sensors Journal | SCOPE | July | Dr. Anil Carie | 70168 | 21 | Article |
| 122 | Salins S.S.; Kumar S.; Reddy S.V.K.; Kuniyil A.V.; Kumar S.S. | Sustainable Energy Techniques Adapted in Buildings to Regulate Moisture Transport and Enhance Thermal Comfort: A Review | International Journal of Air-Conditioning and Refrigeration | SMEC | September | Dr. Seelam Venkata Kota Reddy | 70227 | 6 | Review |
| 123 | Pandey C.K.; Singh A.; Chaudhury S. | A simulation-based analysis of effect of interface trap charges on dc and analog/HF performances of dielectric pocket SOI-Tunnel FET | Microelectronics Reliability | SENSE | July | Dr. Chandan Kumar Pandey | 70155 | 33 | Article |

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| 124 | Joseph J.; Deshmukh K.; Raj A.N.; Pasha S.K.K. | Electromagnetic Interference Shielding Characteristics of SrTiO3 Nanoparticles Induced Polyvinyl Chloride and Polyvinylidene Fluoride Blend Nanocomposites | Journal of Inorganic and Organometallic Polymers and Materials | SAS | April | Dr. Khadheer Pasha Sk | 70012 | 39 | Article |
| 125 | Suresh Kumar L.V.; Ananth D.V.N.; Pavan Kumar Y.V.; Pradeep D.J.; Reddy C.P.; Ariwa E. | Use of Super Conductor Magnetic Energy Storage System and FACTS Devices for Two-Area Load Frequency Control Having Synchronous Generators and DFIG Wind Generators | International Journal of Computing and Digital Systems | SCOPE | October | Dr. Y V Pavan Kumar, Dr. D John Pradeep, Dr. Ch Pradeep Reddy | 70007, 70008, 70049 | 4 | Article |
| 126 | Kumar S.; Salins S.S.; Reddy S.V.K.; Nair P.S. | Comparative performance analysis of a static & dynamic evaporative cooling pads for varied climatic conditions | Energy | SMEC | October | S. V. Kota Reddy | 70227 | 30 | Article |
| 127 | Sivaiah A.; Nag R.; Pulla Rao C. | Glyco-Conjugate Design and Demonstration as Receptors for the Species of Biological, Ecological and Medical Importance: Support from Spectroscopy and Microscopy | ChemistrySelect | SAS | March | Dr. Areti Sivaiah | No | 3 | Review |
| 128 | Chappa H.K.; Thakur T.; Kumar L.V.S.; Kumar Y.V.P.; Pradeep D.J.; Reddy C.P.; Ariwa E. | Real time voltage instability detection in dfig based wind integrated grid with dynamic components | International Journal of Computing and Digital Systems | SENSE | October | Dr. Y V Pavan Kumar, Dr. D John Pradeep, | 7E+09 | 4 | Article |
| 129 | Saha R.; Panda D.K.; Goswami R.; Bhowmick B.; Baishya S. | Analysis on effect of lateral straggle on analog, high frequency and DC parameters in Ge-source DMDG TFET | International Journal of RF and Microwave Computer-Aided Engineering | SENSE | June | Dr. Deepak Kumar Panda | 70074 | 42 | Article |

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| 130 | Dandekar T.R.; Kumar A.; Khatirkar R.K.; Mahadule D.; Ayyappan G. | Multistep Cross Rolling of UNS S32101 Steel: Microstructure, Texture, and Magnetic Properties | Journal of Materials Engineering and Performance | SMEC | March | Dr. Amit Kumar | No | 20 | Article |
| 131 | Gupta M.K.; Padhan M.; Bijwe J. | Combination of nano-particles of graphite and PTFE in the right amount for synergism as anti-wear and extreme pressure additive in oil | Surface Topography: Metrology and Properties | SMEC | September | Dr. Manoj Kumar Gupta | 70082 | 4 | Article |
| 132 | Gopikrishnan S.; Priakanth P.; Srivastava G.; Fortino G. | EWPS: Emergency Data Communication in the Internet of Medical Things | IEEE Internet of Things Journal | SCOPE | February | Dr. Gopikrishnan S | 70107 | 25 | Article |
| 133 | Tidke B.A.; Mehta R.; Rana D.; Mittal D.; Suthar P. | A social network based approach to identify and rank influential nodes for smart city | Kybernetes | SCOPE | March | Dr. Bharat Arun Tidke | No | 1 | Article |
| 134 | Lisna P.C.; Sunitha M.S. | B-Chromatic Sum and b-Continuity Property of Some Graphs | Journal of Interconnection Networks | SAS | August | Dr. Lisna PC | 70145 | 1 | Article |
| 135 | Mukhopadhyay J.; Singh V.K.; Mukhopadhyay S.; Dhananjaya M.M.; Pal A. | An egalitarian approach of scheduling time restricted tasks in mobile crowdsourcing for double auction environment | International Journal of Web and Grid Services | SCOPE | August | Dr. Vikash Kumar Singh | 70202 | 2 | Article |

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| 136 | Mahapatra S.; Subudhi B. | Nonlinear matrix inequality approach based heading control for an autonomous underwater vehicle with experimental realization | IFAC Journal of Systems and Control | SENSE | June | Dr. Subhasish Mahapatra | 70183 | 24 | Article |
| 137 | Wang C.; Nagarajan S.M.; Anandhan P. | Research on the improvement of rural old-age security system in the new era sustainable smart city transportation | International Journal of Shipping and Transport Logistics | SCOPE | September | Dr. Senthil Murugan | 70276 | 4 | Article |
| 138 | Sharma L.D.; Saraswat R.K.; Sunkaria R.K. | Cognitive performance detection using entropy-based features and lead-specific approach | Signal, Image and Video Processing | SENSE | May | Dr. Lakhan Dev Sharma | 70178 | 32 | Article |
| 139 | Jane L.G.; Hari S. | Crime Prediction Using Twitter Data | International Journal of e-Collaboration | SCOPE | May | Dr. Hari Seetha | 70003 | 3 | Article |
| 140 | Gupta A.; Khatirkar R.K.; Kumar A.; Thool K.S.; Bhibhanshu N.; Suwas S. | Texture Development During Cold Rolling of a β-Ti Alloy: Experiments and Simulations | Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science | SMEC | March | Kumar, Amit | No | 23 | Article |
| 141 | Hussain S.W.; Mahendra T.V.; Mishra S.; Dandapat A. | Match-line control unit for power and delay reduction in hybrid CAM | IET Circuits, Devices and Systems | SENSE | February | Mr. Telajala Venkata Mahendra | No | 7 | Article |

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| 142 | Khairnar V.V.; Ramesha C.K.; Gudino L.J. | A Parasitic Antenna with Independent Pattern, Beamwidth and Polarization Reconfigurability | Wireless Personal Communications | SENSE | March | Dr. Khairnar Vikas Vishnu | 70193 | 10 | Article |