

SRI VENKATESWARA COLLEGE OF ENGINEERING (AUTONOMOUS), PENNALUR, SRIPERUMBUDUR (TK) 602 117

List of Publications for the Academic Year 2022–2023 for the Research Incentive

Department of Applied Chemistry

| S.No. | Name of the Author/s | Title of paper | Name of Journal, Vol. No, Issue No. Page No. | ISSN number | Impact Factor | Category |
|--------------|---|--|--|--------------------|----------------------|-----------------|
| 1 | N. Sheeja, G. Baskar , M. Thirunavukkarasu, S. Muthu | Covalent interaction, solvent effects, electrochemical, and spectroscopic characterization of novel (4Z)-4-{2-[amino(hydroxy)methyl]hydrazinylidene}-2,6-di(furan-2-yl)-3-methylpiperidin-1-ol derivative- anti-microbial activity study | Journal of Molecular Liquids, 374, 15 March 2023, 121272 | 0167-7322 | 6.633 | WOS |
| 2 | C. Vanitha , Anandhavelu Sanmugam , A. Yogananth , M. Rajasekar , P.G. Kuppusamy , G. Devasagayam | A facile synthesis of polyaniline-WO ₃ hybrid nanocomposite for enhanced dopamine detection | Materials Letters, Volume 328, 1 December 2022, 133149 | 1873-3166 | 3.574 | WOS |
| 3 | D. Shanthy , A. Yogananth , S. Anandhavelu* , V. Balasubramani , J. Suresh , S. Ananda Babu , S. Sarveswaran | Development of chitosan base PbBiS ₂ thin films for photovoltaic application | Chalcogenide Letters Vol. 19, No. 10, October 2022, p. 725 - 734 | 1584-8663 | 0.855 | WOS |

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|------------------------------------|--|---|--|-----------|-------|-----|
| 4 | Dhanasekaran Vikraman, Sajjad Hussain, Syed Hassan Abbas Jaffery, Hailiang Liu, Anandhavelu Sanmugam , Karuppasamy Karuppasamy, , Jongwan Jung, and Hyun-Seok Kim | Tuning the Layered Thickness of MoTe ₂ Thin Film for Dye-Sensitized Solar Cells, UV and Visible Spectrum Photodetectors, and Hydrogen Evolution Reaction | Solar RRL 2022, 6, 2200610 | 2367-198X | 9.173 | WOS |
| 5 | Kavitha Andiappan , Anandhavelu Sanmugam , Easwaramoorthy Deivanayagam, K. Karuppasamy , Hyun-Seok Kim d, Dhanasekaran Vikraman | Detailed investigations of rare earth (Yb, Er and Pr) based inorganic metal-ion complexes for antibacterial and anticancer applications | Inorganic Chemistry Communications 150 (2023) 110510 | 1879-0259 | 3.428 | WOS |
| NUMBER OF PUBLICATIONS : 05 | | | | | | |

SRI VENKATESWARA COLLEGE OF ENGINEERING (AUTONOMOUS), PENNALUR, SRIPERUMBUDUR (TK) 602 117**List of Publications for the Academic Year 2022–2023 for the Research Incentive****Department of Humanities and Social Sciences**

| S.No. | Name of the Author/s | Title of paper | Name of Journal, Vol. No, Issue No. Page No. | ISSN number | Impact Factor | Category |
|--------------|--|--|---|------------------------|--------------------------|-----------------|
| 1 | Divya John & G. Sandhiya Devi | Reading -while-Listening at the Tertiary level-Perceptions and Implications | The Journal of Asia TEFL Vol.20, Issue No.1, 147-155 | 1738-3102 | 0.73 | WOS |
| 2 | Divya John & G. Sandhiya Devi | Reassessing Reading Strategies in the Engineering Classroom | Reading Psychology, Vol.44, Issue No. 3, 326-340 | 0270-2711 | 0.483 | WOS |

NUMBER OF PUBLICATIONS : 02

SRI VENKATESWARA COLLEGE OF ENGINEERING (AUTONOMOUS), PENNALUR, SRIPERUMBUDUR (TK) 602 117

List of Publications for the Academic Year 2022–2023 for the Research Incentive

Department of Applied Physics

| S.No. | Name of the Author/s | Title of paper | Name of Journal, Vol. No, Issue No. Page No. | ISSN number | Impact Factor | Category |
|--------------|---|--|---|--------------------|----------------------|-----------------|
| 1 | R.Rajesh, S.Muthu. & N.R.Sheela | Investigations of 6-Fluoro-4-Oxo-3,4-Dihydro-2H-Chromene-2-Carboxylic Acid by Quantum Computational, Spectroscopic, TD-DFT with Various Solvents and Molecular Docking Studies | Journal of Polycyclic Aromatic Compounds, Vol 41 2022 | 1563-5333 | 2.195 | WOS |
| 2 | R.Rajesh, S.Muthu. & N.R.Sheela | Effect of Amino, Chloro, and Methyl Functional Groups on 4-(4-Hydroxyphenyl) Piperazine by Density Functional Theory and Molecular Docking Studies | Journal of Polycyclic Aromatic Compounds, Vol 41 2022 | 1563-5333 | 2.195 | WOS |
| 3 | N. Subhashini, S. Revathi, Mohd Ubaidullah, Abdullah M. Al-Enizi, S. Muthulakshmi, D. Thiripurasundari, Shoyebmohamad F. Shaikh, Ayman Nafady, Meera Moydeen Abdulhameed, Nouf B. Alanzi, Rayana Ibrahim Alkhalifah, Chandra Sekhar Dash, M. Sundararajan and M. Sukumar | Gd ³⁺ -substituted BiFeO ₃ perovskite nanoparticles: Facile synthesis, Characterization, and applications in heterogenous catalysis | Dalton Transactions, 52, 2735-2748 | 1477-9226 | 4.569 | WOS |

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|------------------------------------|---|--|--|-----------|-------|-----|
| 4 | M. Sukumar , Jothi Ramalingam Rajabathar, Hamad AL-Lohedan, S. Suresh, Chandra Sekhar Dash, M. Sundararajan, Partha Sarathi Subudhi, Selvaraj Arokiyaraj, Ekrem Yanmaz, S. Yuvaraj i, R.S. Rimal Isaac | Synthesize and characterization of copper doped nickel ferrite nanoparticles effect on magnetic properties and visible light catalysis for rhodamine dye degradation mechanism | Journal of Alloys and Compounds, 953, 169902 | 0925-8388 | 6.371 | WOS |
| 5 | C. Charanya, S. Sampathkrishnan , R. Kumutha, J. Praveena, A. Bhaskaran, A. Prabakaran & N. Balamurugan | Synthesis, Quantum Computational Analysis and Molecular Docking of 3-(2-Hydroxyphenyl)-1- Phenyl Propanone: A Combined Experimental and Theoretical Analysis | Journal of Polycyclic Aromatic Compounds, Vol 41 2023 | 1563-5333 | 2.195 | WOS |
| 6 | P. Rajeswaran , A. Alfind Paul Frit , R. Rajesh, B. Vijayakumar , Pradeep Katta , N.R. Sheela , S. Muthu, | Quantum computational, Spectroscopic and Molecular docking Studies on 6 - amino-3-Bromo-2-methylpyridine, | Journal of the Indian Chemical Society, V 100, pp 1-9, | 194522 | 0.243 | WOS |
| NUMBER OF PUBLICATIONS : 06 | | | | | | |

SRI VENKATESWARA COLLEGE OF ENGINEERING (AUTONOMOUS), PENNALUR, SRIPERUMBUDUR (TK) 602 117

List of Publications for the Academic Year 2022–2023 for the Research Incentive

Department of Applied Mathematics

| S.No. | Name of the Author/s | Title of paper | Name of Journal, Vol. No, Issue No. Page No. | ISSN number | Impact Factor | Category |
|--------------|---|---|--|--------------------|----------------------|-----------------|
| 1 | Soundararajan Bhavani, Kumaresan Nandini, Rajamanickam Muthucumaraswamy , Venkatesan Chithambaram, Sengottaiyan Shanmugan | Precise Fourier series and fuzzification method analysis of standardized thermal energy of solar box cooker performance: economic and environmental studies | Environmental Science and Pollution Research, 1-15. | 0944-1344 | 5.8 | WOS |
| 2 | Rajaraman, R., & Muthucumaraswamy, R | Numerical study of a transient MHD flow across an oscillating vertical plate with thermal radiation and viscous dissipation. | International Journal of Applied Mechanics and Engineering, vol.28, No.2, pp.77-89,2023. | 1734-4492 | 1.3 | SCOPUS |
| 3 | Sundar Raj, M., Nagarajan, G., Murugan, V. P., & Muthucumaraswamy, R. | Impacts of chemical reactions on inclined isothermal vertical plate | International Journal of Applied Mechanics and Engineering, vol.28, No.2, pp.64-76,2023. | 1734-4492 | 1.3 | SCOPUS |
| 4 | Nagarajan, G., Sundar Raj, M., & Muthucumaraswamy, R | The influence of thermal expansion on flow past an inclined accelerated sectional plate with persistent mass diffusion. | International Journal of Applied Mechanics and Engineering, vol.27, No.4, pp.105-116,2022. | 1734-4492 | 1.3 | SCOPUS |
| 5 | Raj, M. S., Nagarajan, G., & Muthucumaraswamy, R. | Unstable Stream Past an Improved Monotonic Infinite Inclined Plate with Inconsistent Temperature and Constant Mass Diffusion | Neuroquantology, Volume 20, Issue 16, Page 248-259, 2022. | 1303-5150 | 0.45 | SCOPUS |

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|------------------------------------|--|---|---|-----------|-------|-----|
| 6 | Prabu, A. S., Chithambaram, V., Shanmugan, S., Cavaliere, P., Gorjian, S., Aissa, A., Mourad, A, Pardhasaradhi8. P, Muthucumaraswamy.R , Elsayed Essa, F, Elsheikh, A. H. | The performance enhancement of solar cooker integrated with photovoltaic module and evacuated tubes using ZnO/Acalypha Indica leaf extract: response surface study analysis | Environmental Science and Pollution Research, 30(6), 15082-15101. | 0944-1344 | 5.8 | WOS |
| 7 | Prabu, A. S., Chithambaram, V., Muthucumaraswamy, R. , & Shanmugan, S | Experimental investigations on the performance of solar cooker using nichrome heating coil—Photovoltaic with microcontroller PIC 16F877A | Environmental Progress & Sustainable Energy, 42(3), e14028. | 1944-7442 | 2.824 | WOS |
| 8 | Anitha K., Mumtaj Fathima I., and Vijayalakshmi A R | Lucas non-Wieferich primes in arithmetic progressions and the abc conjecture | Open Mathematics, Vol. 21, no. 1 (2023), pp. 20220563 | 2391-5455 | 0.949 | WOS |
| 9 | Prabhu, S., Arulperumjothi, M., Guirao, J. L. G., Muthucumaraswamy, R., Gayathri, V. , & Farahani, M. R | On Counting Polynomials of Supercoronenes and Triangle-Shaped Discotic Graphene | Polycyclic Aromatic Compounds, 1-29. | 1563-5333 | 2.195 | WOS |
| NUMBER OF PUBLICATIONS : 09 | | | | | | |

SRI VENKATESWARA COLLEGE OF ENGINEERING (AUTONOMOUS), PENNALUR, SRIPERUMBUDUR (TK) 602 117

List of Publications for the Academic Year 2022–2023 for the Research Incentive

Department of Automobile Engineering

| S.No. | Name of the Author/s | Title of paper | Name of Journal, Vol. No, Issue No. Page No. | ISSN number | Impact Factor | Category |
|--------------|---|---|---|--------------------|----------------------|-----------------|
| 1 | KS Prabakar, PK Nagarajan, J Venkatesan , S Suseel Jai Krishnan, Mohsen Sharifpur | Thermo-convective behavior and entropy generation studies on Alumina and Titania nanofluids flowing through polygonal ducts | International Journal of Thermal Sciences Volume 186 Pages 108123 | 1290-0729 | 4.779 | WOS |
| 2 | Ramanjaneyulu Kolla , Vinayagasundaram Ganesh, Rajendran Sakthivel & Arumugam Kumar Boobalasantilraj | Simulation and Experimental Design of Load Adaptive Braking System on Two Wheeler | Computer System Science and Engineering | 0267-6192 | 4.397 | SCOPUS |
| 3 | S. Premnath , C. Selvamani , Raj Kumar Yadav , Jagdish Prasad Ahirwar , S.C.V Ramana Murty Naidu , Balaji Boopathi , Potnuru Sivaram | Effective utilization of biodiesel blends with nano additives on diesel engine towards eco-sustainability | Materials Today: Proceedings Volume 10 Page Number 1016 , Published on 1st June 2023 | 2214 7853 | 2.59 | SCOPUS |

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|------------------------------------|--|---|---|-----------------|-------|--------|
| 4 | Dhanesh Chandrasekaran, Venkatesan Jayaraman , Suseel Jai Krishnan Sasidharan, Sankaranarayanan Gomathinayagam | Role of combustion derived magnesia nanoflakes on the combustion, emission and functional characteristics of diesel engine susceptible to palm oil biodiesel-diesel blend | Journal of Thermal Science and Technology, Vol 16, Issue 2, Page | 1880-5566 | 0.947 | WOS |
| 5 | N. Tamiloli, Zh. Kalitchin, J. Venkatesan | Optimization Of Chip Thickness, Roundness, And Surface Roughness Of Dry Turned Component Using Grey Relational Analysis | Journal of the Balkan Tribological Association, Vol 28, Issue 5, Page 613-625 | ISSN: 1310-4772 | 0.412 | SCOPUS |
| 6 | N. Tamiloli, J. Venkatesan , T. S. Kumar, A. J. Ashwin, Zh. Kalitchin | Milling Parameters On Aa-6082-T6 Alloy Using Grey Relational Analysis, Regression, Ann, And Ga Models | Journal of the Balkan Tribological Association, Vol 28, Issue 2, Page 233-264 | ISSN: 1310-4772 | 0.412 | SCOPUS |
| NUMBER OF PUBLICATIONS : 06 | | | | | | |

SRI VENKATESWARA COLLEGE OF ENGINEERING (AUTONOMOUS), PENNALUR, SRIPERUMBUDUR (TK) 602 117

List of Publications for the Academic Year 2022–2023 for the Research Incentive

Department of Biotechnology

| S.No. | Name of the Author/s | Title of paper | Name of Journal, Vol. No, Issue No. Page No. | ISSN number | Impact Factor | Category |
|--------------|--|--|---|-----------------------|----------------------|-----------------|
| 1 | Hariharan J , Anandhapadman, A. & Ghone, N.V | In Vitro and In Vivo Comparative Analysis of Differentially Expressed Genes and Signaling Pathways in Breast Cancer Cells on Interaction with Mesenchymal Stem Cells | Applied biochemistry and biotechnology | 1559-0291 | 3.094 | WOS |
| 2 | Yasasve Madhavan ,Kadambari Vijay Sai,Dilip Kumar Shanmugam,Aashabharathi Manimaran, Karthigadevi Guruviah ,Yugal Kishore Mohanta,Divyambika Catakapatri Venugopal,Tapan Kumar Mohanta,Nanaocha Sharma , and Saravanan Muthupandian | Current Treatment Options for COVID-19 Associated Mucormycosis: Present Status and Future Perspectives | Journal of clinical medicine, 11(13) | 2077-0383 | 4.964 | WOS |
| 3 | Chozhavendhan, S., Karthigadevi, G. , Bharathiraja, B., Kumar, R. P., Abo, L. D., Prabhu, S. V., Balachandar. R., Jayakumar, M | Current and prognostic overview on the strategic exploitation of anaerobic digestion and digestate | Environmental research, 216(2);114526 | 0013-9351 / 1096-0953 | 8.431 | WOS |

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|------------------------------------|---|---|--|----------------------------|-------|-----|
| 4 | Kannappan Arunachalam , Ganesh Prasath Krishnan , Sathya Sethuraman, Sybiya Vasantha Packiavathy Issac Abraham, Swetha Thirukannamangai Krishnan, Aakanksha Venkateswar, Jagadeesan Arunkumar, Chunlei Shi, and Davoodbasha MubarakAli | Exploring Possible Ways to Enhance the Potential and Use of Natural Products through Nanotechnology in the Battle against Biofilms of Foodborne Bacterial Pathogens | Pathogens, 12270 | 2076-0817 | 4.531 | WOS |
| 5 | Kanagam Nachiappan and Rajasekaran Chandrasekaran | Reformation of dairy effluent - a phycoremediation approach | Environmental Monitoring and Assessment, 195, 405 (2023) | 1573-2959, EMAS-D-21-04964 | 3.307 | WOS |
| NUMBER OF PUBLICATIONS : 05 | | | | | | |

SRI VENKATESWARA COLLEGE OF ENGINEERING (AUTONOMOUS), PENNALUR, SRIPERUMBUDUR (TK) 602 117

List of Publications for the Academic Year 2022–2023 for the Research Incentive

Department of Chemical Engineering

| S.No. | Name of the Author/s | Title of paper | Name of Journal, Vol. No, Issue No. Page No. | ISSN number | Impact Factor | Category |
|--------------|--|---|---|--------------------|----------------------|-----------------|
| 1 | Balaji. R, Saravanan. R, Govindarasu. R | Investigation on human factors influencing health and safety performance in the construction industry | Journal of Northeastern University, Vo.25, Issue 04, 2022 | 1005-3026 | 0.43 | SCOPUS |
| 2 | Karthick S, Palani R , Sivakumar D and Meyyappan N | Biosorption of Cr (VI) ions by Ficus religiosa barks: Batch and continuous study | Membrane and Water Treatment, Vol 13, No.05, 209-217, 2022 | 2005-8624 | 1.092 | SCOPUS |
| 3 | Palani Ramaswamy , Nikitha Subran, Karnapa Ajit, Haribabu Krishnan, Senthilkumar Pachiyappan | Synthesis and performance of a cathode catalyst derived from areca nut husk in microbial fuel cell | Chemosphere | 0045-6535 | 8.943 | WOS |
| 4 | Arsath Kader, Vishnuprasad Selvaraj, Palani Ramasamy , Karthick Senthilkumar | Experimental investigation on the thermo-physical properties and tribological performance of acidic functionalized graphene dispersed VG-68 hydraulic oil-based nanolubricant | Diamond & Related Materials | 0925-9635 | 4.1 | SCOPUS |
| 5 | Naveen Kumar S, Jothi Ramalingam R , Muthusamy Karnan , Kavitha N P | Degradation of organic/inorganic pollutants through photofenton membrane bioreactor (PFMBR) and lumped kinetic modeling in pharmaceutical effluent | Chemical Engineering and Processing - Process Intensification, Volume 185, March 2023, 109305 | 0255-2701 | 4.264 | WOS |
| 6 | Nithya Ramasamy · Kavitha Nagarasampatti Palani · Asha Mathew · Balasubramanian Natesan | Development of chitosan@Fe ₂ O ₃ /rGO/Bi ₂ S ₃ as a new eco-friendly photocatalyst for enhancing the catalytic stability and superior degradation of organic pollutants | Research on Chemical Intermediates | 1568-5675 | 3.134 | WOS |

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|---|--|---|--|-----------|-------|-----|
| 7 | S. Naveen Kumar, Jothi Ramalingam Rajabathar, Muthusamy Karnan, N. P. Kavitha | Estimation of effective diffusivity, thermodynamic parameter and drying kinetics exploration in coffee berries drying | Reaction Kinetics Mechanisms And Catalysis | 1878-5204 | 3.134 | WOS |
| 8 | Rajasekar subramanyam & Meyyappan narayanan | Artificial Neural Network Modeling For Drying Kinetics Of Paddy Using A Cabinet Tray Dryer | Chemical Industry & Chemical Engineering Quarterly, 29(2), 87-98, 2023 | 1451-9372 | 1.34 | WOS |

NUMBER OF PUBLICATIONS : 8

SRI VENKATESWARA COLLEGE OF ENGINEERING (AUTONOMOUS), PENNALUR, SRIPERUMBUDUR (TK) 602 117

List of Publications for the Academic Year 2022–2023 for the Research Incentive

Department of Civil Engineering

| S.No. | Name of the Author/s | Title of paper | Name of Journal, Vol. No, Issue No. Page No. | ISSN number | Impact Factor | Category |
|--------------|---|---|--|-----------------------|----------------------|-----------------|
| 1 | Kumutha Rathinam , Vijai Kanagarajan | A study on flexural behaviour of ferrocement slabs using foamed concrete | International journal of Structural Engineering, Vol.13, No.1, pp. 63-79 | 1758-7336 | 1.3 | WOS |
| 2 | D. Siddi Ramulu, K. Sankar, M. Selvakumar | Trip-based Modal Shift Behaviour of Mode Users along the Proposed Extension Metro Corridor in Chennai (India) | European Transport / Trasporti Europei , Issue No.89, pp. 1825-3997 | 1825-3997 | 0.23 | WOS |
| 3 | Ruby Freya and R. Senthil | Optimal Evaluation of the Rheological Parameters for STF Dampers in Semi-Rigid Joints of Steel Structures Using Response Surface Method | Advances in Civil Engineering, Vol. 2022, pp. 1-13 | 1687-8094 (Online) | 1.843 | WOS |
| 4 | Ruby Freya , Richin John Charly, A Shanmugam,G Ashish Kumar, T Bharath Vazhvarasan and R Senthil | Investigation of Rheological Properties in Shear Thickening Fluid for Seismic Dampers | Materials Today: Proceedings, Volume 80, Part 2, 2023, Pages 1506-1513 | 2214-7853 | 2.59 | SCOPUS |

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|------------------------------------|--|--|--|-----------|-------|--------|
| 5 | Selvakumar M , Siddi Ramulu D and Sankar K | A Unique Metro Choice behaviour of Suburban Rail Passengers in India | Urban Rail Transit, Vol.9, No.1, pp.31-41 | 2199-6687 | 1.976 | WOS |
| 6 | Chandra Devi R, Hemavathi R, Lokesh Kumar S, Harsha Varthan G, Rashmika D and Vijay Vignesh A | Transport and fate of textile waste water contaminants into soil | Global Nest journal, Vo.25, No.5, pp.20-27 | 1790-7632 | 1.4 | SCOPUS |
| 7 | Chandra Devi R, Hemavathi R, Ashwinkumar S, Gowtham B, Selvam M and Vijay Vignesh A | Electrokinetic Remediation for Textile Wastewater Contaminated Soil | Global Nest journal, Vo.25, No.5, pp.83-89 | 1790-7632 | 1.4 | SCOPUS |
| NUMBER OF PUBLICATIONS : 07 | | | | | | |

SRI VENKATESWARA COLLEGE OF ENGINEERING (AUTONOMOUS), PENNALUR, SRIPERUMBUDUR (TK) 602 117

List of Publications for the Academic Year 2022–2023 for the Research Incentive

Department of Computer Science and Engineering

| S.No. | Name of the Author/s | Title of paper | Name of Journal, Vol. No, Issue No. Page No. | ISSN number | Impact Factor | Category |
|--------------|--|---|--|---|----------------------|-----------------|
| 1 | Kalaiarasi Governor,Padmavathy Ramanujam,Suja Cherukullapurath Mana, Geetha Perumal | Near duplicate detection of images with area and proposed pixel-based feature extraction | Concurrency and Computation Practice and Experience, Wiley Publications, Volume 35, Issue 02 | Online ISSN:1532-0634, ISSN: 1532-0626 | 1.831 | WOS |
| 2 | Girija M.S. , Tapas Babu B.R. , Magesh Babu D. and Madhu B | A Variance Difference Method for Determining Optimal Number of Clusters in Wireless Sensor Networks | Ad Hoc & Sensor Wireless Networks Vol. 55, Issue 3-4,pp. 321–339 | ISSN: 1551-9899 (print) ISSN: 1552-0633 | 0.4 | WOS |
| 3 | Kumar, K & Dinesh, P & Rayavel, P & Vijayaraja, L & Dhanasekar, R & Rupa Kesavan | Brain Tumor Identification Using Data Augmentation and Transfer Learning Approach. | Computer Systems Science & Engineering(Tech Science Press) doi: 10.32604/csse.2023.033927 | 46(2), 1845-1861 | 4.397 | SCOPUS |
| 4 | Loganathan, Vijayaraja, Dhanasekar Ravikumar, Rupa Kesavan , Kanakasri Venkatesan | A Case Study on Renewable Energy Sources, Power Demand, and Policies in the States of South India development of a Thermoelectric Model | Sustainability, Vol. 14, no. 14, pp. 8882, 2022 | 2071-1050 | 3.889 | WOS |
| 5 | S Rajalakshmi , KR Santha | Hybrid Recommender System Using Systolic Tree for Pattern Mining | Computer Systems Science and Engineering, Vol.44, Issue no.2, Page No: 1251-1262 | 0267 – 6192 (Print) | 4.397 | SCOPUS |
| 6 | G. Chandraiah, K. Mekala Devi, A. Mohamed Abbas, S. Rajalakshmi | CNN-based detection of cervical spinal cord injury | International Journal of Medical Engineering and Informatics | 1755-0661 | 0.168 | SCOPUS |

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| 7 | R. Ashwini, Swagata Sarkar, C. Pandi, S. Rajalakshmi | Segnet and U-Net based brain tumour segmentation | International Journal of Medical Engineering and Informatics | 1755-0661 | 0.168 | SCOPUS |
| 8 | S.U. Muthunagai , R. Anitha | CTS-IIoT: Computation of Time Series Data During Index Based De-duplication of Industrial IoT (IIoT) Data in Cloud Environment | Wireless Personal Communication | 0929-6212 | 2.017 | WOS |
| 9 | Sumitra V, Latha P, Sasikala, Hedayuth Basha, Lalitha Sudha, R.Gnanavel | Infant Brain Mri Abnormalities Detection Using Deep Learning | Computer Integrated Manufacturing Systems, Vol. 28 Issue No. 12, Page No:663-678 | 1006-5911 | 0.98 | SCOPUS |
| 10 | Suresh Kumar M and Sathish Kumar G A | Enhanced Ant Colony optimization Algorithm for Packet delivery with Improved Energy Efficiency in Wireless Sensor Networks. | Journal of Intelligent & Fuzzy Systems | 1875-8967 | 1.737 | WOS |
| 11 | P Janarthanan ,V. Muruges, N. Sivakumar, and S. Manoharan | An Efficient Face Detection and Recognition System Using RVJA and SCNN | Mathematical Problems in Engineering, Vol.2022, 1-9 Pages | 1024-123X 1563-5147 | 1.43 | SCOPUS |
| 12 | Vibith A.S. & Jobin Christ M C | GBDTMO: as new option for early-stage breast cancer detection and classification using machine learning | Automatika, VOL. 64, NO. 4, PP. 858–867 | 0005-1144 | 1.79 | WOS |
| 13 | Balamurugan, N. M. , Adimoolam, M., Alsharif, M. H., & Uthansakul, P. | A Novel Method for Improved Network Traffic Prediction Using Enhanced Deep Reinforcement Learning Algorithm | MDPI Sensors | 1424-8220 | 3.847 | WOS |

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| 14 | Balamurugan, N. M. , Maithili, K., Babu, T. K. S., & Adimoolam, M | Stage-Wise Categorization and Prediction of Diabetic Retinopathy Using Ensemble Learning and 2D-CNN | Intelligent Automation and Soft Computing | 1079-8587 | 1.647 | WOS |
| 15 | Esakky Selvi Malaiyalathan Adimoolam ,Govindharaju Karthi,Kandasamy Thinakaran, N.M. Balamurugan ,R. Kannadasan, ,Chitapong Wechtaisong, and Arfat Ahmad Khan | Suspicious Actions Detection System Using Enhanced CNN and Surveillance Video | MDPI Electronics | 2079-9292 | 2.69 | WOS |
| 16 | Jayabhaduri, R. , Saineha, S., Madhumithaa, M., & Roshini, A | WSA : A Navigation App For Women Safety | NOVYI MIR Research Journal, VOLUME 8 ISSUE 7 | 0130-7673 | | WOS |

NUMBER OF PUBLICATIONS : 16

SRI VENKATESWARA COLLEGE OF ENGINEERING (AUTONOMOUS), PENNALUR, SRIPERUMBUDUR (TK) 602 117

List of Publications for the Academic Year 2022–2023 for the Research Incentive

Department of Electronics and Communication Engineering

| S.No. | Name of the Author/s | Title of paper | Name of Journal, Vol. No, Issue No. Page No. | ISSN number | Impact Factor | Category |
|--------------|--|--|--|--------------------|----------------------|-----------------|
| 1 | Suresh kumar and Sathish Kumar, G.A. | Efficient Hybrid Energy Optimization Method in Location Aware Unmanned WSN | Journal of Intelligent Automation & Soft Computing 2023, 35(1), 705-725 | 2326-005X | 3.401 | WOS |
| 2 | Elaiyaraja G and Kumarathara N | An Optimum Classifier Model with Fuzzy C-Means for Fire Detection Technology | Pertanika Journal of Science and Technology | 0128-7680 | 0.85 | WOS |
| 3 | Varnikha Nanthagopal and Jothilakshmi Paramasivam | Design of a Wideband CPW Fed Fractal Antenna for Satellite Communication | Applied Computational Electromagnetics Society (ACES) Journal | 1054-4887 | 0.414 | WOS |
| 4 | S. R. Malathi , P. Vijay Kumar | A High-Performance Low Complex Design and Implementation of QRS Detector Using Modified MaMeMi Filter Optimized with Mayfly Optimization Algorithm | Journal of Circuits, Systems and Computers, Vol. 32, No. 4 (2023) 2350056 (25 pages). Published 30 September 2022 | 0218-1266 | 1.5 | WOS |
| 5 | Prabu.R.T., Malathi.S.R. , Kumar. A, Al-Asbahi.B.A. and Laref.A | Bandgap Assessment of Compositional Variation for Uncovering High-Efficiency Improved Stable All-Inorganic Lead-Free Perovskite Solar Cells | Physica Status Solidi(a), Volume 220, Issue 6/2200791. Published: 13 January 2023 | 1862-6300 | 2.17 | WOS |
| 6 | Babitha Lincy R.B., Gayathri R | Optimized Convolutional Neural Network for Tamil-Handwritten Character Recognition | International Journal of Pattern Recognition and Artificial Intelligence" WORLD SCIENTIFIC PUBL CO PTE LTD, Singapore, Volume 36, Issue 11 (15 September 2022) | 1793-6381 | 1.55 | WOS |

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| 7 | G Akila & R. Gayathri | Weighted Multi-Deep Feature Extraction for Hybrid Deep Convolutional LSTM-based Remote Sensing Image Scene Classification Model | Geocarto International, Taylor and Francis, Vol 37, no.27, pp.18217–18253 | 1010-6049 | 3.45 | WOS |
| 8 | D.Menaka , S.Ganesh Vaidyanathan | A hybrid convolutional neural network-support vector machine architecture for classification of super-resolution enhanced chromosome images | Expert Systems | 1468-0394 | 2.812 | WOS |
| 9 | Paruthi Ilam Vazhuthi, Manikandan, Prasanth Aruchamy | An Energy-Efficient Auto Clustering Framework for Enlarging Quality of Service in Internet of Things-enabled Wireless Sensor Networks using Fuzzy Logic System | Concurrency and Computation: Practice and Experience, Vol. 34, Issue 25, 1-22. | 1532-0634 | 1.831 | WOS |
| 10 | S. Balasubramaniam, Vijesh Joe, T. A. Sivakumar, A. Prasanth | Optimization Enabled Deep Learning-Based DDoS Attack Detection in Cloud Computing | International Journal of Intelligent Systems, Vol. 2023, pp. 1-19. | 0884-8173 | 8.99 | WOS |
| 11 | Sathya Ramasamy, Ananthi Selvarajan, Vaidehi Kaliyaperumal, Prasanth Aruchamy | A hybrid location-dependent ultra convolutional neural network-based vehicle number plate recognition approach for intelligent transportation systems | Concurrency and Computation: Practice and Experience, Vol. 35, Issue 8, 1-22. | 1532-0634 | 1.831 | WOS |
| 12 | P. Paruthi Ilam Vazhuthi, Dr.A. Prasanth , S.P.Manikandan, K.K.Devi Sowndarya | A hybrid ANFIS reptile optimization algorithm for energy-efficient inter-cluster routing in internet of things-enabled wireless sensor networks | Peer-to-Peer Networking and Applications, Vol. 16, pp. 1049–1068 (2023) | 1936-6450 | 3.488 | WOS |
| 13 | M. Braveen, S. Nachiyappan, R. Seetha, K. Anusha, A. Ahilan, A. Prasanth | ALBAE feature extraction based lung pneumonia and cancer classification | Soft Computing, pp. 1-15. | 1433-7479 | 3.732 | WOS |

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| 14 | Prasanth Aruchamy , Sabeena Gnanaselvi, Devi Sowndarya, Pushpalatha Naveenkumar | An artificial intelligence approach for energy-aware intrusion detection and secure routing in internet of things-enabled wireless sensor networks | Concurrency and Computation: Practice and Experience, May 2023 | 1532-0634 | 1.831 | WOS |
| 15 | G.Muneeswari, Sajithra Varun, Ramakrishna Hegde, Sharon Priya, Josephin Shermila, Prasanth A | Self-diagnosis platform via IOT-based privacy preserving medical data | Measurement: Sensors, Vol. 25, 2023 | 2665-9174 | 0.9 | SCOPUS |
| 16 | S. Balasubramaniam,K. Satheesh Kumar,V. Kavitha, A. Prasanth , and T. A. Sivakumar | Feature Selection and Dwarf Mongoose Optimization Enabled Deep Learning for Heart Disease Detection | Computational Intelligence and Neuroscience, Dec 2022 | 1687-5265 | 3.2 | SCOPUS |
| 17 | Jasmine Gnana Malar A, Tina Elizabeth Mathew, Kumar S. N, Akhil Sabu, Prasanth A | Microclimate monitoring system for irrigation water optimization using IoT | Measurement: Sensors | 2665-9174 | 0.9 | SCOPUS |
| 18 | Dr.R.Muthalagu, Dr.S.Vijayanand , Dr.M.Ganesh Mani | Glaucoma diagnosis utilising Le-Net and supervised machine learning techniques in retinal fundus images | Neuroquantology, 20 (8), 3793-3806, 2022. | 1303-5150 | 0.45 | SCOPUS |
| 19 | Dr.S.Vijayanand ,Dr.R.Muthalagu, Dr.M.Ganesh Mani | An approach to deep learning based on Discrete wavelet transform for the diagnosis of epilepsy | Neuroquantology, Vol 20, Issue 10, 8941-8955, 2022 | 1303-5150 | 0.45 | SCOPUS |
| 20 | Priyadharshini Rajasekaran , Geetha Ganesan | Performance Analysis of a Heterogeneous Network Employing DAPSK Based OFDMA-PON | China Communications, vol. 20, no. 3, pp. 128-145 | 1673-5447 | 4.1 | SCOPUS |
| 21 | Yokesh V , Gulam Nabi Alsath, Malathi K | Defected microstrip structure-based near-end and far-end crosstalk mitigation in high-speed PCBs for mixed signals | Microelectronics International | 1356-5362 | 0.942 | WOS |

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|------------------------------------|---|--|---|-----------|-------|-----|
| 22 | Elakkiya Balan ,and O.Saraniya | Novel neural network architecture using sharpened cosine similarity for robust classification of Covid-19,pneumonia and tuberculosis diseases from x-rays. | Journal of Intelligent & Fuzzy Systems DOI: 10.3233,vol. 44, no. 4, pp. 6065-6078, 2023 | 1064-1246 | 1.737 | WOS |
| 23 | Kavitha Munishamaiaha , Senthil Kumar Kannan, DhilipKumar Venkatesan | Hyperspectral Image Classification with a Deep Convolutional Neural Network Based on Enhanced Elephant Herding Optimization | MDPI -Electronics | 2079-9292 | 2.69 | WOS |
| 24 | Athappan M & Dr KR Santha | A delay efficient hybrid parallel prefix variable latency CSKA based multi-operand adder with optimized 5:2 compressor and skip logic | International Journal of Electronics, Taylor & Francis, June 2022 | 0020-7217 | 1.336 | WOS |
| NUMBER OF PUBLICATIONS : 24 | | | | | | |

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List of Publications for the Academic Year 2022–2023 for the Research Incentive

Department of Electrical and Electronics Engineering

| S.No. | Name of the Author/s | Title of paper | Name of Journal, Vol. No, Issue No. Page No. | ISSN number | Impact Factor | Category |
|--------------|--|--|---|--------------------|----------------------|-----------------|
| 1 | Shivadharshini A, Sneha SL, Vignesh V, KR. Santha , Sasikala M, Sudhakar Bharatan | Design and fabrication of miniaturized DC-DC converter on silicon substrate | Materials Today: Proceedings, Vol.80 (2) pp 1632-1637 | 2214-7853 | 2.59 | SCOPUS |
| 2 | Nanda Kumar S and Nalin Kant Mohanty | Modified Golden Jackal Optimization Assisted Adaptive Fuzzy PIDF Controller for Virtual Inertia Control of Micro Grid with Renewable Energy. | Symmetry, Vol 14, Issue-9, page no1946 | 2073-8994 | 2.941 | WOS |
| 3 | K. Vijayakumar, G. Premsunder A. Joseph Basanth , R.Karthikeyan | A Soft Magnetic Composite Blank for Switched Reluctance Motor:Vibration and Acoustic Noise Study | Journal of Vibration Engineering & Technologies | 2523-3939 | 2.333 | WOS |
| 4 | Rishi Kumar D, Yuvakishore K, Vignesh P, Sasikala Muthusamy , Sudhakar Bharatan | Modeling and simulation of Ga2O3 thin film solar blind UV photodetector | Materials Today: Proceedings (Available in online) | 2214-7853 | 2.59 | SCOPUS |
| 5 | D.S.Purushothaman and Dr.KR Santha | Artificial Neural Network with Optimized FOPID for Speed Control of Sensorless BLDC Motor Drive | An International Journal of Cybernetics and Systems | 0196-9722 | 1.859 | WOS |
| 6 | G. Anand · T. Thyagarajan · D. Kokila · C. Kamal | Design optimization of giant magneto resistance–based magnetic nanoparticle detection in liquid samples for biomedical applications | Journal of Nano Particle Research, Article No.24, 166 (2022). | 1388-0764 | 2.533 | WOS |
| 7 | Alsharif, M. H., Jahid, A., Kelechi, A. H., & Kannadasan, R | Green IoT: A Review and Future Research Directions | Symmetry, Vol. 15(3), pp 757, 2023 | 2073-8994 | 2.94 | WOS |

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| 8 | Logeshwaran, J., Kiruthiga, T., Kannadasan, R. , Vijayaraja, L., Alqahtani, A., Alqahtani, N., & Alsulami, A. A. | Smart load-based resource optimization model to enhance the performance of device-to-device communication in 5G-WPAN | Electronics, Vol. 12(8), pp. 1821; 2023 | 2079-9292 | 2.69 | WOS |
| 9 | Kadirvel, K., Kannadasan, R. , Alsharif, M. H., & Geem, Z. W. | Design and Modeling of Modified Interleaved Phase-Shifted Semi-Bridgeless Boost Converter for EV Battery Charging Applications | Sustainability, Vol. 15, no 3, 2712, 2023 | 2071-1050 | 3.889 | WOS |
| 10 | Venugopal, G., Udayakumar, A. K., Balashanmugham, A., Houran, M. A., Alsaif, F., Elavarasan, R. M., Kannadasan, R. , Alsharif, M. H. | Fault Identification and Classification of Asynchronous Motor Drive Using Optimization Approach with Improved Reliability | Energies, Vol. 16, no 6, pp. 2660, 2023 | 1996-1073 | 3.252 | WOS |
| 11 | Kumar, D., Chauhan, Y. K., Pandey, A. S., Srivastava, A. K., Kumar, V., Alsaif, F., Elavarasan, R. M., MD. Rabiul Islam, Kannadasan, R. , Alsharif, M. H | A Novel Hybrid MPPT Approach for Solar PV Systems using Particle Swarm Optimization Trained Machine Learning and Flying Squirrel Search Optimization | Sustainability, Vol. 15(6), pp. 5575, 2023 | 2071-1050 | 3.889 | WOS |
| 12 | Kumar, A., Venkatesh, J., Gaur, N., Alsharif, M. H., Jahid, A., & Kannadasan, R | Analysis of Hybrid Spectrum Sensing for 5G and 6G Waveforms | Electronics, Vol. 12(1), pp. 138, 2023 | 2079-9292 | 2.69 | WOS |
| 13 | Ponmalar, S Joshibha; Prasad, Valsalal, Kannadasan. R | An improved intelligent technique for maximum power point tracking under partial shading conditions of photo voltaic system | Journal of Intelligent & Fuzzy Systems, DOI: 10.3233/JIFS-220892, 2022. | 1875-8967 | 1.737 | WOS |
| 14 | Jawaharlalnehru, A., Sambandham, T., Sekar, V., Ravikumar, D., Loganathan, V., Kannadasan, R. , Khan, AA; Wechtaisong, C; Haq, MA; Alhussen, A, Alzamil, Z. S | Target Object Detection from Unmanned Aerial Vehicle (UAV) Images Based on Improved YOLO Algorithm | Electronics, Vol. 11, pp. 2343, 2022, | 2079-9292 | 2.69 | WOS |
| 15 | Arunnehru, J., Thalpathiraj, S., Dhanasekar, R., Vijayaraja, L., Kannadasan, R. , Khan, A. A., Haq, Mohd A; A, Mohammed; A, M Ibrahim; K, Ismail, Keshta, I. | Machine Vision-Based Human Action Recognition Using Spatio-Temporal Motion Features (STMF) With Difference Intensity Distance Group Pattern (DIDGP) | Electronics, Vol. 11, pp. 2363, 2022. | 2079-9292 | 2.69 | WOS |

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| 16 | Pattathurani, L. P., Dash, S. S., Dwibedi, R. K., Raj, M. D., Kannadasan, R. , Savio, M. F., Alsharif, MH; Kim, James H | Harmonics Minimisation in Non-Linear Grid System Using an Intelligent Hysteresis Current Controller Operated from a Solar Powered ZETA Converter | Sustainability, Vol. 14 (12), pp. 7028, 2022 | 2071-1050 | 3.889 | WOS |
| 17 | Kannadasan Raju , Chandrasekaran, V., Alsharif, M. H., Kim, M. K., & Nebhen, J | Role of Hydro Generation in Indian Power Grid to Challenge the Uncommon Load Patterns during Crisis | Energy Strategy Reviews-Elsevier Volume 49, September 2023, 101140 | 2211-467X | 8.2 | WOS |
| 18 | Dr R J Venkatesh , N.Juliet , Dr. A. Nalini, Dr E. Sheeba Percis, Satya Jit, S. Uparkar, Preethi P C Golar | IoT- Enabled Cyber Physical Systems detection approaches and distribution of cyber attacks | Neuro Quantology | 1303-5150 | 0.45 | SCOPUS |
| 19 | Hasan, Inamul; Joshi, Siddharth; Subbaya, K. M.; Naveen Kumar Elangovan. | Developments in Perovskite Materials Based Solar Cells: In Pursuit of Hysteresis Effect, Stability Issues and Lead-Free Based Perovskite Materials | Nanoscience & Nanotechnology-Asia 12 (3), 46-61 | 2210-6812 | 0.84 | SCOPUS |
| 20 | G Muralikrishnan and Nalin Kant Mohanty | Seven levels fuzzy rule-based controller for modified shunt active line conditioner | INTERNATIONAL JOURNAL OF ELECTRONICS | 0022-7217 | 1.457 | WOS |
| 21 | S Sinthamani , M Ranjithkumar, Sudhakar K Bharatan, S Anitha, Sudharsanam S, Sasikala M | Optical characterization of RF sputtered copper oxide for thin film solar cell applications | Materials Today: Proceedings, Vol.59 (2) pp 814-818 | 2214-7853 | 2.59 | SCOPUS |
| NUMBER OF PUBLICATIONS : 21 | | | | | | |

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List of Publications for the Academic Year 2022–2023 for the Research Incentive

Department of Information Technology

| S.No. | Name of the Author/s | Title of paper | Name of Journal, Vol. No, Issue No. Page No. | ISSN number | Impact Factor | Category |
|--------------|---|--|---|--------------------|----------------------|-----------------|
| 1 | Rajesh Pandian N, Shanthi D, N.Selvaganesh | An Articulate Heart Attack Detection System Using Mine Blast Optimization (MBO) Based Multilayer Perceptron Neural Network (MLPNN) Model | Iraqi Journal for Computer Science and Mathematics, Volume 4, Issue 2, Pg.143-155 | 2788-7421 | 0.1 | SCOPUS |
| 2 | N.Selvaganesh , Rajesh Pandian N, Shanthi D | A Novel Biased Probability Neural Network (BPNN) and Regularized Extreme Learning Machine (RELM) based Hearing Loss Prediction System | Iraqi Journal for Computer Science and Mathematics, Volume 4, Issue 2, Pg.56-71 | 2788-7421 | 0.1 | SCOPUS |
| 3 | Krishnamoorthy Suresh , Ali Alqahtani, Thangaraj Rajasekaran, Murugan Suresh Kumar, Venugopal Ranjith, Raju Kannadasan, Nayef Alqahtani and Arfat Ahmad Khan | Enhanced Metaheuristic Algorithm-Based Load Balancing in a 5G Cloud Radio Access Network | MDPI-Electronics | 2079-9292 | 2.9 | WOS |
| 4 | A Kala , P Sharon Femi, V Rajalakshmi, S Kalavathi, K Ashwini | Face Mask Detection and Social Distance Monitoring with Deep Learning | Indian Journal of Science and Technology, Volume: 16, Issue: 25, Pages: 1888-1897 | 0974-6846 | 0.16 | WOS |
| 5 | Thiyagarajan Annamalai , Murukesh Chinnasamy, Mary Joans Samuel Soundara Pandian | A Hybrid Model Particle Swarm Optimization Based Mammogram Classification Using Kernel Support Vector Machine | Traitement du Signal Vol. 39, Issue No. 3, pp. 915-922 | 0765-0019 | 2.299 | WOS |
| 6 | K. Prathibanandhi, R. Ramesh, C. Yaashuwanth | Analysis of Brushless DC Motor using Enhanced FOPID controller and ALO Algorithm | Intelligent automation and Soft Computing Vol 34 No 1 PP 543-557 | 2326-005X | 1.647 | WOS |

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| 7 | Manikandan Gunasekar, Gobal Krishnan Natesan , Duraimurugan Samiayya | Multi-objective moth swarm based sailfish model for optimal routing in wireless sensor network | Concurrency and Computation: Practice and Experience, Vol. No 34, Issue No 21 | 1532-0634 | 1.831 | WOS |
| 8 | Gobal Krishnan Natesan , Javid Ali, Pradeep Krishnadoss, Raman Chidambaram, Manikandan Nanjappan | Optimization techniques for task scheduling criteria in IaaS cloud computing atmosphere using nature inspired hybrid spotted hyena optimization algorithm | Concurrency and Computation: Practice and Experience, Vol. No 34, Issue No 24 | 1532-0634 | 1.831 | WOS |
| 9 | Manikandan Nanjappan, Gobal Krishnan Natesan , Pradeep Krishnadoss | HFTO: Hybrid Firebug Tunicate Optimizer for Fault Tolerance and Dynamic Task Scheduling in Cloud Computing | Wireless Personal Communications, Vol. No 129, Issue No 1, pp. 323-344 | 0929-6212 | 2.017 | WOS |
| 10 | Javid Ali Liakath, Pradeep Krishnadoss, Gobal Krishnan Natesan | DCCWOA: A multi-heuristic fault tolerant scheduling technique for cloud computing environment | Peer-to-Peer Networking and Applications, DoI: https://doi.org/10.1007/s12083-022-01445-x | 1936-6442 | 3.488 | WOS |
| 11 | N. Manikandan, N. Gobal Krishnan, K. Pradeep | An Efficient Task Scheduling Based on Hybrid Bird Swarm Flow Directional Model in Cloud Computing Environment | IETE Journal of Research, DoI: https://doi.org/10.1080/03772063.2022.2108919 | 0377-2063 | 1.877 | WOS |
| 12 | Manikandan Nanjappan, Pradeep Krishnadoss, Javid Ali, Gobal Krishnan Natesan , Balasundaram Ananthkrishnan | Task Scheduling Based on Cost and Execution Time Using Ameliorate Grey Wolf Optimizer Algorithm in Cloud Computing | International Journal of Intelligent Engineering and Systems, Vol. No 16, Issue No 3, pp. 417-427 | 21853118 | 1.88 | SCOPUS |
| 13 | Sangeetha, G., Indumathi, A. , & Anithaashri, T. P | Detecting Malware Infected Machines with Digital Forensic Analysis | Computer Integrated Manufacturing System | 1006-5911 | 0.98 | SCOPUS |

NUMBER OF PUBLICATIONS : 13

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List of Publications for the Academic Year 2022–2023 for the Research Incentive

Department of Mechanical Engineering

| S.No. | Name of the Author/s | Title of paper | Name of Journal, Vol. No, Issue No. Page No. | ISSN number | Impact Factor | Category |
|--------------|---|---|---|--------------------|----------------------|-----------------|
| 1 | Magarajan, U. , & Suresh Kumar, S | A Comparative Study on Ballistic Behaviour of MWCNT / Graphene Reinforced AL6061 Surface Composites Fabricated Via Friction Stir Processing | Archives of Metallurgy and Materials, 68, 2, 541-550 | 1733-3490 | 0.633 | WOS |
| 2 | Magarajan, U. , Kumar, S. S., & Rodríguez-Millán, M | Effect of deep cryogenic treatment on the microstructural, mechanical and ballistic properties of AA7075-T6 aluminum alloy | Defence Technology, published online, April 2023 | 2214-9147 | 4.035 | WOS |
| 3 | Rohith Kumar A , Sooryapandiyan P , Parthasarathy P, Raghu P | A Review of HCCI Engine Characteristics Using Biofuels | GIS science journal, Vol.9, Issue 5, 2070-2076, 2022 | 1869-9391 | 0.5 | SCOPUS |
| 4 | Senthamarai Kannan C , Prashanna Rangan R, Nithish K, Amanullah S, Akash K and Hari Prasaath S P | Spider Bot – A Quadruped Robot for Data Gathering | Journal of Engineering Science and Technology Review, 15(6), 15- 19, 2022 | 1791-2377 | 0.51 | SCOPUS |

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| 5 | M. Arulkumar , R. Prashanna Rangan, M. Prem Ananth, V. Srividhyasakthi, A. Aditiya | Experimental verification on the influence of surface texturing on biomaterials and study of its tribological characteristics | Materials Today: Proceedings | 2214-7853 | 2.59 | SCOPUS |
| 6 | TS Senthil, S Ramesh Babu , M Puviyarasan | Mechanical, microstructural and fracture studies on inconel 825–SS316L functionally graded wall fabricated by wire arc additive manufacturing | Scientific Reports, Nature Publishing Group UK Page:5321 | 2045-2322 | 4.6 | SCOPUS |
| 7 | R. Murugan, R.Ramesh , Raja Karthikeyan, B Santhoshkumar | Experimental investigation on effect of cyclic loading on free vibration characteristics of Glass/Jute Hybrid Composite beams | Journal of Applied Science and Engg, vol 26, No.3, 347-355, 2022 | 2708-9967 | 1.28 | WOS |
| 8 | M Nishal , K Ram Prasad, M Salman Dasthageer, AG Ragunath | Significance of additive manufacturing amidst the pandemic | Materials Today: Proceedings | 2214-7853 | 2.59 | SCOPUS |
| 9 | Senthilvelan Veerasamy, Rameshbabu Sankaran and Atul C. Sutrave | Improving mechanical properties of additive manufactured AZ31 by mechanical rolling | International Journal of Materials Research, WALTER DE GRUYTER GMBH, GERMANY, Vol.114, issue 3, pp:231-237 | 1862-5282 | 0.678 | SCOPUS |

NUMBER OF PUBLICATIONS : 9