

Number of research papers published per teacher in the CONFERENCE list A.Y 2024- 2025

| S.No | Title of paper | Name of the author/s | Department of the teacher | Name of journal (Scopus) | Year of publication | ISSN number | Link to the recognition in UGC enlistment of the Journal | | |
|------|--|---|---------------------------|--|---------------------|-------------|---|---|-------------------------------|
| | | | | | | | Link to website of the Journal | Link to article/paper /abstract | Is it listed in UGC Care list |
| 1 | Hybrid TDR-MI Based Wireless Sensor Network for Underground Water Pipeline Leakage Detection and Localization Using Pressure Residuals and Classifiers | R. Vankdothu, H. B. Bhukya, and R. R. Bhukya | CSE (AI&ML) | Wireless Personal Communications | 2024 | 1572-834X | https://link.springer.com/journal/11277 | https://link.springer.com/article/10.1007/s11277-024-11623-0 | Yes |
| 2 | Crop Disease Detection by Deep Joint Segmentation and Hybrid Classification Model: A CAD-Based Agriculture Development System | Raghuram Bhukya, Shankar Vuppu, A Harshvardhan, Hanumanthu Bukya, Suresh Salendra | CSE (AI&ML) | Journal of Phytopathology | 2025 | 1439-0434 | https://onlinelibrary.wiley.com/journal/14390434 | https://onlinelibrary.wiley.com/doi/abs/10.1111/jph.70003 | Yes |
| 3 | Artificial intelligence-enhanced terahertz metasurface biosensor for breast cancer biomarker detection | Jothi Prabha Appadurai, K. Kaliaperumal, J. Wekalao, and A. Rajakannu | CSE (AI&ML) | Plasmonics | 2025 | 1557-1963 | https://link.springer.com/article/10.1007/s11468-025-03051-y | https://onlinelibrary.wiley.com/journal/14390434 | Yes |
| 4 | Machine learning-enabled optimization of a graphene coated terahertz metasurface for isoquercitrin biosensin | C. Selvan, Jothi Prabha Appadurai, Habib Kraiem, and Rathish C. R., | CSE (AI&ML) | Journal of The Electrochemical Society | 2025 | 1945-7111 | https://iopscience.iop.org/article/10.1149/1945-7111/ade347 | https://iopscience.iop.org/article/10.1149/1945-7111/ade347 | Yes |

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| 5 | Enhancing swimming pool hygiene: A robotic approach to debris removal and water quality monitoring. | Hemalatha S, Kiran Mayee Adavala, Thilagam T, Pullela S. V. V. S. R. Kumar, Ramesh Tumaati, Muthuvairavan Pillai Nagappan. | CSE (AI&ML) | Asian Journal of Water, Environment and Pollution | 2025 | 0972-9860 | https://accscience.com/journal/AJWEP | https://doi.org/10.36922/ajwep.6564 | Yes |
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List of Faculty presented Conference Paper during A.Y 2024 & 2025

| S. No. | Name of the faculty | title of the Conference | ISSN/I SBN | Duration (from and to | year | host institution | link to published conference |
|--------|---------------------------|---|--|-----------------------|------|---|---|
| 1 | Dr.Jothi Prabha Appadurai | An effective biometric medical image watermarking system designed for e-health | 1865-0929 | Feb 23 - | 2024 | International Conference on Machine Learning Algorithms | https://link.springer.com/chapter/10.1007/978-3-031-75861-4_27 |
| 2 | Dr.Jothi Prabha Appadurai | Cybersecurity using hybrid type model for classification through SCO optimization technique | 979-8-3503-8355-3 | Feb 9 - Feb 10 | 2024 | 2024 IEEE International Conference on Computing, Power and Communication Technologies (IC2PCT) | https://ieeexplore.ieee.org/document/10486307 |
| 3 | KALYAN B | Hybrid Quantum Computing and Deep Learning Approaches for Enhancing Wireless Communication Security | 979-8-3315-2211-7 | 16th apr | 2025 | 2025 International Conference on Emerging Systems and Intelligent Computing (ESIC) | https://ieeexplore.ieee.org/document/10962643 |
| 4 | B RAMJI | Trust Based Cooperative Secure Routing Protocols for Internet of Things (IoT) | DOI: 10.1109/ICMA CC6292 1.2024.10894247 | 19-21 Decem ber | 2024 | 2024 2nd International Conference on Recent Trends in Microelectronics, Automation, Computing and Communications Systems (ICMACC) | https://ieeexplore.ieee.org/document/10894247 |

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| 5 | Dr. K. Shivakumar | AVOA: Energy and Resource Aware Scheduling Through Cloud Environment | 979-8-3315-3518-6 | 14th May | 2025 | 2025 5th International Conference on Pervasive Computing and Social Networking (ICPCSN) | https://ieeexplore.ieee.org/document/11035432 |
| 6 | Dr. K. Shivakumar | TOA: Optimizing VM Failure Rate and Energy Consumption in Task Scheduling Through Cloud Fog Environment | 979-8-3315-3518-6 | 16th May | 2025 | 2025 5th International Conference on Pervasive Computing and Social Networking (ICPCSN) | https://ieeexplore.ieee.org/document/11035912 |
| 7 | V.Ramu | Real-Time Air Quality Monitoring with Edge AI and Machine Learning Algorithm | 979-8-3503-6790-4 | 06-08 November | 2024 | 2024 8th International Conference on Electronics, Communication and Aerospace Technology (ICECA) | https://ieeexplore.ieee.org/document/10800783 |
| 8 | V.Ramu | Hybrid Quantum Computing and Deep Learning Approaches for Enhancing Wireless Communication Security | 979-8-3315-2210-0 | 16-04-2025 | 2025 | International Conference on Emerging Systems and Intelligent Computing (ESIC) | https://ieeexplore.ieee.org/document/10962643 |
| 9 | V.Ramu | Deep Learning Algorithms in DNA Sequencing: Transforming Genetic Testing and Analysis | 979-8-3503-6791-1 | 12th dec | 2024 | 8th International Conference on Electronics, Communication and Aerospace Technology (ICECA) | https://ieeexplore.ieee.org/document/10801085 |

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| 10 | V.Ramu | IoT-Enabled Precision Irrigation for Coconut Plantations: Enhancing Growth and Sustainability | 979-8-3503-6791-1 | 24th dec | 2024 | 2024 8th International Conference on Electronics, Communication and Aerospace Technology (ICECA) | https://ieeexplore.ieee.org/document/10800984 |
| 11 | V.Ramu | Improving Genetic Variant Calling Using Deep Convolutional Neural Networks and Ensemble Learning | 979-8-3503-9127-5 | 21 st dec | 2024 | 2024 International Conference on Emerging Technologies and Innovation for Sustainability (EmergIN) | https://ieeexplore.ieee.org/document/10961036 |
| 12 | Enugala Rajitha | Android Malware Detection on Imbalanced Data Using Deep Learning pp. 1203–1210 | 2584-0495 | 19th-20th October | 2024 | 9th International Conference on Microelectronics, Computing & Communication Systems (MCCS-2024) | https://www.ijmit.org/Photo/IJMIT20240542R1_Pub.pdf |
| 13 | B.Rajitha | Federated Deep Q Network Models for Sustainable and Efficient Smart Agriculture | 978-93-340-9851-8 | 21st-23rd August | 2024 | International Conference on Intelligent Computing and Communication (ICICC 2024) | https://drive.google.com/file/d/1LfIN0exJfi83N5La3kGwi4eVQS_aDDkR/view?usp=drive_link |
| 14 | B.Rajitha | An Hierarchical Mechanism for Intrusion Detection in Fog Computing using Federated-Multiscale Echo State Network with Secure Encryption via Arnold Hashing | - | 17th-19th June | 2025 | Intelligent Communication Technologies and Virtual Mobile Networks (ICICV) | https://drive.google.com/file/d/1EiPjpKBDZeEB8CNqHg0plQw0-BAtNtPt/view?usp=drive_link |

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| 15 | Dr. M. Rajesh | Clustering Single-Cell RNA Sequencing Data Using LEIDEN Algorithm | 979-8-3315-9564-7 | 21st-23rd August | 2025 | International Conference on Emerging Systems and Intelligent Computing (ESIC 2025) | https://ieeexplore.ieee.org/document/11257976 |
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Number of research papers published in the Journals as notified on UGC list (202

| | Title of paper | Name of the author/s | Department of the main author | Name of journal | Year of publication | ISSN number | Link to the recognition in UGC enlistment of the Journal | | |
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| | | | | | | | Link to website of the Journal | Link to article/paper/abstract of the article | Is it listed in UGC |
| | MEDICAL DATA SET IMPLEMENT USING ML MODEL S | A. Ramya Kumari, B.Kalyan T.Ramakrishna, N. Haritha, T.Kalyani | CSE(AI& ML) | UGC International Journal | May,2025 | 2456 – 5083 | https://ijiemr.org/ | https://ijiemr.org/downloads/paper/Volume-14/medical-data-set-implementation-using-ml-models | YES |
| | Image classification uncertainty in deep learning finding techniques | K.VENKATESH WARAO, M.Sowmya, A.Nikhitha, V. Ramu, B.Kalyan | CSE(AI& ML) | UGC International Journal | May,2025 | 2456 – 5083 | https://ijiemr.org/ | https://ijiemr.org/downloads/paper/Volume-14/image-classification-uncertainty-in-deep-learning-finding-techniques-2 | YES |

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| | | | | | | Link to website of the Journal | Link to article/paper /abstract of the article | Is it listed in UGC |
| MEDICAL DATA SET IMPLEMENT USING ML MODELS | A. Ramya Kumari, B.Kalyan T.Ramakrishna, N. Haritha, T.Kalyan | CSE(AI&ML) | UGC International Journal | May, 2025 | 2456 – 5083 | https://ijiemr.org/ | https://ijiemr.org/downloads/paper/Volume-14/medical-data-set-implementation-using-ml-models | YES |
| Image classification uncertainty in deep learning finding techniques | K.VENKATESHWAR RAO, M.Sowmya, A.Nikhitha, V. Ramu, B.Kalyan | CSE(AI&ML) | UGC International Journal | May, 2025 | 2456 – 5083 | https://ijiemr.org/ | https://ijiemr.org/downloads/paper/Volume-14/image-classification-uncertainty-in-deep-learning-finding-techniques-2 | YES |