

**PRATHYUSHA ENGINEERING COLLEGE**

**DEPARTMENT OF ECE**

**CONSOLIDATED LIST OF PAPERS PUBLISHED IN THE ACADEMIC YEAR 2021-22**

| <b>S.N O.</b> | <b>NAME OF THE AUTHORS</b> | <b>TYPE OF JOURNAL</b> | <b>TITLE OF THE JOURNAL</b>                                                       | <b>TITLE OF THE PAPER</b>                                                                                                                      | <b>ISSN/IS BN NO.</b> | <b>VOL. NO.</b> | <b>PAGE NO.</b> | <b>LINK OF THE JOURNAL HOME PAGE</b>                                                                                                                                                                                                                                                                                          |
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| 1             | Ms G Premalatha            | SCI/SCIE               | Wireless Personal Communication                                                   | Wireless IoT and Cyber-Physical System for Health Monitoring Using Honey Badger Optimized Least-Squares Support-Vector Machine                 | 0929-6212             | Vol No 124      |                 | <a href="https://doi.org/10.1007/s11277-022-09500-9">https://doi.org/10.1007/s11277-022-09500-9</a>                                                                                                                                                                                                                           |
| 2             | Ms.G.Premalatha            | SCI/SCIE               | Cognitive Neurodynamics                                                           | Design and implementation of intelligent patient in-house monitoring system based on efficient XGBoost-CNN approach                            | 1871-4080             | Volume No 16    |                 | <a href="https://doi.org/10.1007/s11571-021-09754-2">https://doi.org/10.1007/s11571-021-09754-2</a>                                                                                                                                                                                                                           |
| 3             | Mr T Rubesh Kumar          | SCI/SCIE               | Iranian Journal of Science and Technology, Transactions of Electrical Engineering | Design and Optimization of Wearable Microstrip Patch Antenna using Hybrid Fuzzy Flamingo Swarm Optimization Algorithm for RF Energy Harvesting | 1432-0487             |                 |                 | <a href="https://doi.org/10.1007/s40998-021-00470-5">https://doi.org/10.1007/s40998-021-00470-5</a>                                                                                                                                                                                                                           |
| 4             | Dr Anitha Karthikeyan      | SCI/SCIE               | European Physical Journal: Special Topics                                         | Chimera states in a network of identical oscillators with symmetric coexisting attractors                                                      | 1951-6355             | Vol No 129      | 2163–2171       | <a href="https://link.springer.com/article/10.1140/epjs/s11734-022-00480-2#:~:text=Here%2C%20the%20chimera%20states%20are,from%20the%20basins%20of%20attraction.">https://link.springer.com/article/10.1140/epjs/s11734-022-00480-2#:~:text=Here%2C%20the%20chimera%20states%20are,from%20the%20basins%20of%20attraction.</a> |

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| 5  | Dr Anitha Karthikeyan | SCI/SCIE | Chinese Physics B                                     | Controlling chaos and suppressing chimeras in a fractional-order discrete phase-locked loop using impulse control                   | 0577-9073 | Vol 30  |           | DOI:<br>10.1088/1674-1056/ac1b83                                                                                                                              |
| 6  | Dr S Arun             | SCI/SCIE | Chaos, Solitons and Fractals                          | Discrete hybrid Izhikevich neuron model: Nodal and network behaviours considering electromagnetic flux coupling                     | 2590-0544 | Vol 158 |           | <a href="https://www.sciencedirect.com/science/article/abs/pii/S0960077921011139">https://www.sciencedirect.com/science/article/abs/pii/S0960077921011139</a> |
| 7  | Dr Anitha Karthikeyan | SCI/SCIE | Chaos, Solitons and Fractals                          | Spiral waves and their characterization through spatiotemporal and spatioenergy under distinct excitable media                      | 2590-0544 | Vol 158 |           | <a href="https://www.sciencedirect.com/science/article/abs/pii/S0960077922003150">https://www.sciencedirect.com/science/article/abs/pii/S0960077922003150</a> |
| 8  | Dr K. Sathiyasekar    | SCI/SCIE | Journal of Applied Science and Engineering            | DC Microgrid Integrated Electric Vehicle Charging Station Scheduling Optimization                                                   | 2708-9975 | Vol 26  |           | <a href="http://jase.tku.edu.tw/articles/jase-202302-26-2-0011">http://jase.tku.edu.tw/articles/jase-202302-26-2-0011</a>                                     |
| 9  | Dr K. Sathiyasekar    | SCI/SCIE | KSII TRANSACTIONS ON INTERNET AND INFORMATION SYSTEMS | Semantic Conceptual Relational Similarity Based Web Document Clustering for Efficient Information Retrieval Using Semantic Ontology | 1976-7277 | Vol 15  |           | <a href="https://itiis.org/digital-library/24924">https://itiis.org/digital-library/24924</a>                                                                 |
| 10 | Dr K. Sathiyasekar    | SCI/SCIE | Materials Today                                       | Minimization of leakage current in a maximum boost control impedance source transformer-less inverter                               | 1369-7021 | Vol 65  | 250-257   | <a href="https://www.sciencedirect.com/science/article/abs/pii/S2214785322040792">https://www.sciencedirect.com/science/article/abs/pii/S2214785322040792</a> |
| 11 | Dr Anitha Karthikeyan | SCI/SCIE | European Physical Journal:                            | Effect of Noise variance in spiral wave suppression for a multi-layered                                                             |           | Vol 231 | 2439-2443 | <a href="https://link.springer.com/article/10.">https://link.springer.com/article/10.</a>                                                                     |

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|    |                       |        | Special Topics         | neuron model with flux coupling modelled using a memristor             |           |    |  | 1140/epjs/s11734-022-00478-w                                                          |
| 12 | Dr Anitha Karthikeyan | SCOPUS | Journal of Mathematics | Dynamical Behavior of a New Chaotic System with One Stable Equilibrium | 2314-4785 | 24 |  | <a href="https://doi.org/10.3390/math9243217">https://doi.org/10.3390/math9243217</a> |