

**ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES RAJAMPET**

**(AUTONOMOUS)**

**DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING**

**JOURNAL PUBLICATIONS ACADEMIC YEAR 2021-22**

| <b>S. No</b> | <b>Name of the Author(s)</b>   | <b>Title of the paper</b>   | <b>Name of the Journal</b>                              | <b>Volume</b> | <b>Issue</b> | <b>Page Numbers</b> | <b>Day of publication</b> | <b>Month of publication</b> | <b>Year of publication</b> | <b>ISSN / ISBN</b>      | <b>Journal link (DOI)</b>   |
|--------------|--|---|---|---------------|--------------|---------------------|---------------------------|-----------------------------|----------------------------|-------------------------|---|
| 1            | Murugaperumal<br>Krishnamoorthy<br>Satheeshkumar Packirisamy<br>Muqthiar Ali Shaik<br>Arulselvi Ramasamy | A Techno-Economic Feasibility Analysis of Renewable Energy-Based Marine Micro-Grid for Cruise Ship Applications: A Case Study Simulation          | Marine Technology society journal                       | 55            | 5            | 85-93               |                           | September                   | 2021                       | 0025-3324               | <a href="https://doi.org/10.4031/MTSJ.55.5.6">https://doi.org/10.4031/MTSJ.55.5.6</a>                             |
| 2            | Dr.P.Gopi<br>Mr.M.Ramesh<br>Dr.M.Padmamalitha  | Evaluation of automatic voltage regulators PID controller coefficients using pythan   | IEEE  |               |              |                     | 19                        | October                     | 2021                       |                         | <a href="https://doi.org/10.1109/MASCON.51689.2021.9563458">https://doi.org/10.1109/MASCON.51689.2021.9563458</a> |
| 3            | Dr.P.Gopi<br>Mr.M.Ramesh<br>Dr.M.Padmamalitha  | practical design of an Off-grid solar PV system for domestic applications   | IEEE  |               |              |                     | 19                        | October                     | 2021                       |                         | <a href="https://ieeexplore.ieee.org/document/9563391">https://ieeexplore.ieee.org/document/9563391</a>           |
| 4            | Muqthiar Ali Shaik<br>Padma Lalitha Mareddy<br>Visali N  | Enhancement of Voltage Profile in The Distribution System by Reconfiguring with DG Placement using Equilibrium Optimizer                          | Alexandria Engineering Journal                          | 61            | 5            | 4081-4093           |                           | October                     | 2021                       | 1110-0168               | <a href="https://doi.org/10.1016/j.aej.2021.09.063">https://doi.org/10.1016/j.aej.2021.09.063</a>                 |
| 5            | N Sivarami Reddy<br>DV Ramamurthy<br>M Padma Lalitha<br>K Prahlada Rao                                   | Minimizing the total completion time on a multi-machine FMS using flower pollination algorithm  | Soft Computing  | 26            | 3            | 1437-1458           |                           | October                     | 2021                       | 1432-7643 / 1433-7479   | <a href="https://doi.org/10.1007/s00500-021-06411-y">https://doi.org/10.1007/s00500-021-06411-y</a>               |
| 6            | Balaji .C<br>Hemakesavulu. O<br>Dominic Savio.A<br>Vinothkumar.B<br>Sakthi. S<br>Sivaperumal.P           | A Trasformerless Buck-Boost Converter as Maximum Power Point Tracker for Battery Charging   | Lecture notes in Electrical engineering                 | 795           |              | 237-246             | 22                        | November                    | 2021                       | ISBN: 978-981-16-4943-1 | <a href="https://doi.org/10.1007/978-981-16-4943-1_22">https://doi.org/10.1007/978-981-16-4943-1_22</a>           |
| 7            | Saik ayesha jabeen Bhanu<br>Dr.Pasala Gopi<br>Dr.M.Padmamalitha  | A wind and solar based AC micro grid with optimized power quality for local non-linear loads  | IEEE conference (ICT-PEP-2021)                          |               |              | 296-301             | 17                        | November                    | 2021                       |                         | <a href="https://doi.org/10.1109/ICT-PEP53949.2021.9600903">https://doi.org/10.1109/ICT-PEP53949.2021.9600903</a> |
| 8            | Muqthiar Ali Shaik<br>Padma Lalitha Mareddy<br>Visali N  | 'Performance analysis of hybrid techniques for evaluation of power Transmission Cost and Loss Allocation based on Transmission Reliability Margin | International Transactions on Electrical Energy Systems | 31            | 11           |                     | 26-07-2021                | July                        | 2021                       | 0142-0615               | <a href="https://doi.org/10.1002/2050-7038.13034">https://doi.org/10.1002/2050-7038.13034</a>                     |
| 9            | J.R.Grahitha<br>M.Padmamalitha<br>Suresh sreenivasan   | Novel ANN Based MPPT Control Strategy for Hybrid PV/Wind and Diesel Generator System  | Lecture notes in Electrical engineering                 | 783           |              | 1447-1465           |                           | November                    | 2021                       | 978-981-16-3690-5       |   |

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|----|---|--|---|-----|---|---------|----|----------|------|-----------------------|---|
| 10 | Pasala Gopi<br>Suresh sreenivasan<br>Murugaperumal Krishnamurty   | Disk margin based robust stability analysis of a DC motor drive  | Engineering Science and Technology an International Journal (Elsevier)                    |     |   | 1-11    | 1  | December | 2021 |                       | <a href="https://doi.org/10.1016/j.jestch.2021.10.006">https://doi.org/10.1016/j.jestch.2021.10.006</a>   |
| 11 | Pasala Gopi<br>S.VenkatRao<br>Ali Kimiyaghalam  | Design of $\mu$ – controller for quarter electric vehicle with actuator uncertainties                                    | Material today proceedings (Elsevier)   |     |   |         | 20 | January  | 2022 |                       | <a href="https://doi.org/10.1016/j.matpr.2022.01.026">https://doi.org/10.1016/j.matpr.2022.01.026</a>   |
| 12 | A.Himabindhu  | Harmonic reduction in single phase switch boost PFC converter  | International journal of interdisciplinary sciences and engineering applications (IJISEA) | 3   | 1 |         |    | January  | 2022 | 2582-6379             |   |
| 13 | N Sivarami Reddy<br>M Padma Lalitha<br>DV Ramamurthy<br>K Prahlada Rao                                    | Simultaneous Scheduling of Machines and Tools in a Multi-Machine FMS with Alternate Machines Using Crow Search Algorithm | Journal of Advanced Manufacturing Systems   |     |   |         |    | Febraury | 2022 | 0219-6867 / 1793-6896 |   |
| 14 | M.Saisandeep<br>H.Tejaswini<br>K.Rajasekhar Raju<br>E.Sowmya<br>V.Premkumar                               | IoT based smart shoe for visually impaired   | International journal of scientific research in engineering and management (IJSREM)       | 6   | 5 |         |    | May      | 2022 | 2582-3930             | <a href="https://ijsrem.com/download/iot-based-smart-shoe-for-visually-impaired/">https://ijsrem.com/download/iot-based-smart-shoe-for-visually-impaired/</a> |
| 15 | P.Ravindra prasad<br>D.Saikrishna kanth<br>P.Manasa<br>G.Vishnuvardhan<br>N.Poojitha<br>S.mohammad sameer | Simulation of isolated hybrid micro grid with fuzzy controller   | International journal of engineering and techniques                                       | 8   | 3 | 1-5     |    | May      | 2022 | 2395-1303             | <a href="https://zenodo.org/record/6519862">10.5281/zenodo.6519862</a>  |
| 16 | S.Sarada<br>K.Swarna Latha<br>K.Kotireddy<br>H.Praveen<br>TSindhuja                                       | Simulation of Electric grid and analysis at different conditions   | Journal of Engineering Sciences   | 13  | 5 | 68-72   |    | May      | 2022 | 0377-9254             |   |
| 17 | Saik ayesha jabeen Bhanu<br>Dr.Pasala Gopi<br>Dr.M.Padmamalitha   | Design and analysis of fuzzy based hybrid PV-wid power quality improvement for local non-linear loads using MLMS         | Springer conference (ICAECT-2021)   | 881 |   | 953-968 |    | June     | 2022 |                       | <a href="https://doi.org/10.1007/978-981-19-1111-8_74">https://doi.org/10.1007/978-981-19-1111-8_74</a>   |