



K.S.R. COLLEGE OF ENGINEERING, TIRUCHENGODE – 637 215
(Autonomous)

Department of Electrical and Electronics Engineering

Journal Publications Details

Academic Year 2025-26

| S. No | Title of paper | Name of the Author/s | Department of the teacher | Name of journal | Year of Publication | ISSN Number | Link to article/paper/abstract of the article |
|-------|--|--|---------------------------|------------------------------------|---------------------|-------------|---|
| 1. | A multiport DC-to-DC converter-driven inductive wireless charging system for EVs with integrated photovoltaic and energy storage systems | Aganti Mahesh, Bharatiraja Chokkalingam, C. Santhakumar, K. Sathiyasekar& Sanjeevikumar Padmanaban | EEE | Scientific Report | July 2025 | 2045-2322 | https://www.nature.com/articles/s41598-025-07420-9#citeas |
| 2. | Analysis and implementation of variable frequency controlled dynamic wireless charging system with half-bridge multi-leg converter topology | Aganti Mahesh, Bharatiraja Chokkalingam, Sanjeevikumar Padmanaban, C Santhakumar | EEE | Scientific Report | July 2025 | 2045-2322 | https://www.nature.com/articles/s41598-025-07616-z |
| 3. | Enhanced maximum power point estimation algorithm using quantum particle swarm optimization for solar photovoltaic micro inverter systems, | Ganesh Moorthy Jagadeesan, Arivoli Sundaramurthy, M. Vijayakumar, Birhanu Belete | EEE | Energy Reports | August 2025 | 2352-4847 | https://www.sciencedirect.com/science/article/pii/S2352484725004731 |
| 4. | IIPQ controlled three phase three level four wire T-type vienna rectifier for high efficient off board fast EV charging station with enhanced system stability | Suresh Kalichikadu Paramasivam, Ramesh Senniyappan, Senthil Kumar Ramu, Senthilkumar Mani, | EEE | Results in Engineering | September 2025 | 2590-1230 | https://www.sciencedirect.com/science/article/pii/S2590123025029433 |
| 5. | Active Thermal Regulation and AI Forecasting for Thin-Film CIGS Panels in High-Temperature Urban | Ganesh Moorthy. J, Arulmozhi. P, Saravanan. S, Murugesan. P, | EEE | Journal of Mines, Metals and Fuels | October 2025 | 0022-2755 | https://informaticsjournals.co.in/index.php |

| | | | | | | | |
|----|--|---|-----|---|--------------|-----------|---|
| | Rooftop Applications | Krishnakumar. S, Sudha. K | | | | | hp/jmmf/article/view/50034 |
| 6. | ASFO-SVM-Based Intelligent Load Prediction for Microgrid Energy Optimization in Renewable Energy Systems | Arivoli Sundaramurthy, Ganesh Moorthy Jagadeesan, Karthikeyan Ramasamy, Chitra Vaithiyalingam | EEE | Journal of Computational Systems and Applications | October 2025 | 2982-3501 | https://jcsa.gospub.com/jcsa/article/view/59 |