



**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	<a href="https://www.nature.com/articles/s41598-025-07420-9#citeas">https://www.nature.com/articles/s41598-025-07420-9#citeas</a>
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	<a href="https://www.nature.com/articles/s41598-025-07616-z">https://www.nature.com/articles/s41598-025-07616-z</a>
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	<a href="https://www.sciencedirect.com/science/article/pii/S2352484725004731">https://www.sciencedirect.com/science/article/pii/S2352484725004731</a>
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	<a href="https://www.sciencedirect.com/science/article/pii/S2590123025029433">https://www.sciencedirect.com/science/article/pii/S2590123025029433</a>
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	<a href="https://informaticsjournals.co.in/index.p">https://informaticsjournals.co.in/index.p</a>

	Rooftop Applications	Krishnakumar. S, Sudha. K					<a href="http://jmmf/article/view/50034">hp/jmmf/article/view/50034</a>
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	<a href="https://jcsa.gospub.com/jcsa/article/view/59">https://jcsa.gospub.com/jcsa/article/view/59</a>