



**Department of Electrical and Electronics Engineering**

**Faculty Activities**

**Faculty Journal Publications (2018-2019)**

S.No	Name of the Faculty	Title of the paper	Name of the Journal	Month-Year
1	Dr.N.Balamurugan	Intelligent Controller for Speed Control of Three Phase Induction Motor using Indirect Vector Control Method in Marine Applications	Indian Journal of Geo-Marine Sciences	05-2018
2	Mr.G.Satheeshkumar	Intelligent load monitoring system of 11kV/440V multi distribution transformers using SCADA	International journal of pure and applied mathematics	01-2018
3	Dr.P.Boomadevi	Four Switch Three Phase (FSTP) Sepic Inverter Using PIC Controller	International Journal for Science and Advance Research In Technology	09-2018
4	Dr.P.Boomadevi	A Magnetically Coupled Converter Connected Three Phase Voltage Source Inverter for EV Applications	Journal of Electrical Engineering	03-2018
5	Mr.V.Sivakumar	Cascade Multilevel Inverter as a Solution to Improve the Voltage Level and Reduce the Harmonics	International Journal of Engineering Research & Technology (IJERT)	02-2019
6	Mr.P.Siva Subramanian	Enhancing the Performance of Luo Converter using ANFIS Controller for PV System	International Journal of Engineering Research & Technology (IJERT)	02-2019

7	Mr.D.Manoj	Enhancing the Performance of Luo Converter using ANFIS Controller for PV System	International Journal of Engineering Research & Technology (IJERT)	02-2019
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### **Faculty Journal Publications (2019-2020)**

<b>S.No</b>	<b>Name of the Faculty</b>	<b>Title of the paper</b>	<b>Name of the Journal</b>	<b>Month-Year</b>
1	Dr.K.Vijayakumar	Influence of iron power core on the Switched reluctance motor performance enhancement	Elsevier - Materials today : Proceedings	04-2020
2	Mr.V.Sivakumar	Influence of iron power core on the Switched reluctance motor performance enhancement	Elsevier - Materials today : Proceedings	04-2020
3	Dr.N.Balamurugan	Influence of iron power core on the Switched reluctance motor performance enhancement	Elsevier - Materials today : Proceedings	04-2020
5	Dr.N.Balamurugan	Online Monitoring of Distribution Transformer using IoT	International Research Journal of Engineering and Technology(IRJET)	07-2020
6	Mr.D.Manoj	An Investigation on Wireless Power Transfer for Electric Vehicles	International Journal of Advanced Science and Technology	04-2020
7	Dr.N.Balamurugan	Experimental Analysis of Performance and Thermal Capability of Three Phase Squirrel Cage Induction Motor Using Plastered Composite Conductors	Current Nanomaterial	07-2019

## **Faculty Journal Publications (2020-2021)**

<b>S.No</b>	<b>Name of the Faculty</b>	<b>Title of the paper</b>	<b>Name of the Journal</b>	<b>Month-Year</b>
1	Dr.K.Vijayakumar	Development of an iron powder metallurgy soft magnetic composite core switched reluctance motor	Elsevier - Materials today : Proceedings	10-2020
2	Dr.K.Vijayakumar	Viscoelastic characteristic iron powder core for reducing vibration and noise radiated by switched reluctance machine	Elsevier - Materials today : Proceedings	03-2021
3	Dr.K.Vijayakumar	Next Generation Advanced Core Material for Reluctance Machine	Technical Volume of 35th Indian Engineering The Institution of Engineers (India).	12-2020
4	Mr.V.Sivakumar	A novel method for segmenting brain tumor using modified watershed algorithm in MRI image with FPGA	Biosystems	08-2020
5	Dr. G.Mohanbabu	An optimized Deep learning network model for EEG based seizure classification using synchronization and connectivity measures	Journal of Ambient intelligence and Humanized computing /	08-2020
6	Dr. G.Mohanbabu	A Survey of Computer-aided diagnosis of MRI Based Brain Tumor Detection and Classification	Wutan Huatan Jisuan Jishu	08-2020
7	Dr. G.Mohanbabu	A Novel Approach Based on Eigen Vector Methods and Hybrid BOA-SVM optimization Techniques for the Classification of Epileptic Seizure	Solid State Technology	06-2020
8	Dr. G.Mohanbabu	Design of Compact UWB antenna for the Detection of Breast Cancer Tumor	International Journal of Advanced Science	03-2020

			and Technology	
9	Dr.G. MohanBabu	Detection and diagnosis of brain tumors-framework using extreme machine learning and CANFIS classification algorithms	International Journal of Imaging Systems and Technology	02-2020

### **Faculty Journal Puplications (2021-2022)**

<b>S.No</b>	<b>Name of the Faculty</b>	<b>Title of the paper</b>	<b>Name of the Journal</b>	<b>Month-Year</b>
1	Dr.G.Mohanbabu	Emotion identification by dynamic entropy and ensemble learning from electroencephalogram signals	International Journal of Imaging Systems and Technology	11-2021
2	Dr.G.Mohanbabu	An Effective Brain Tumor Detection System Using Extended Linear Boosting (ELB) Classification Algorithm	IETE Journal of Research	03-2021
3	Dr.G.Mohanbabu	Design of cost-effective real time tremor alerting system for patients of neurodegenerative diseases	Elsevier - Materials today : Proceedings	10-2021
4	Mr.T.Arulkumar	Mathematical Modeling of Enhanced Whale Optimization Based Power Quality Enhancement Using Unified Power Quality Conditioner for Implantable Biomedical Devices	Journal of Medical Imaging and Health Informatics	12-2021
5	Mr.P.Siva Subramanian	Cohesive DS-PID and FQL Control Mechanisms to Enhance the Performance of the Electric Vehicle System	Elektronika Ir Elektrotechnika	04-2022

### **Faculty Journal Publications (2022-2023)**

<b>S.No</b>	<b>Name of the Faculty</b>	<b>Title of the paper</b>	<b>Name of the Journal</b>	<b>Month-Year</b>
1	T.Arulkumar	Development of improved sparrow search-based PI controller for power quality enhancement using UPQC integrated with medical devices	Engineering Applications of Artificial Intelligence	08-2022
2	P.Siva Subramanian	A Unified Self-Super Lift Luo Converter based PA-PID and RDP Controlling Algorithms for EV Application Systems	Electric Power Components and Systems	02-2023
3	D.Manoj	A Comprehensive Review on Optimization and Artificial Intelligence Algorithms for Effective Battery Management in EVs	International Journal of Electrical and Electronics & Telecommunications	03-2023
4	G.Satheesh Kumar	Battery Monitoring System for Electric Vehicle Using IoT	International Journal of Advanced Engineering Science and Information Technology	05-2023