



**MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE, MADANAPALLE**  
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Department of Electrical and Electronics Engineering

**Faculty Journal Publications 2020-2021**

S.No	Faculty Name	Co-Author	Paper/Book title	Publisher	Impact Factor	DOI	Citations
1.	Dr. M. Vaigundamoorthi	R. Ramesh, V. Vasan Prabhu, K. Arul Kumar	MPPT oscillations minimization in PV system by controlling non-linear dynamics in SEPIC DC-DC converter	Vol. 10, No. 6, December 2020, pp. 6268~6275 ISSN: 2088-8708	-	10.11591/ijece.v10i6.pp6268-6275	-
2.	Dr. Arijit Bardhan Roy	Apurba Baral, Gourab Das, Arijit Bardhan Roy, Arindam Kole, Nillohit Mukherjee, Sukanta Bose	Stacked Back Reflector Architecture for Advanced Optical Management in State-of-the-Art Single-Junction $\mu$ -Si:H Solar Cells	IEEE, Journal of Photovoltaic, 2020	3.8	10.1109/JPHOTOV.2020.3008263	-
3.	Dr. Parth Sarathi Panigrahy	Santra, D., & Chattopadhyay, P.	Decent fault classification of VFD fed induction motor using random forest algorithm.	Artificial intelligence for engineering design, analysis and manufacturing, 1-13.	1.34	10.1017/s0890060420000311	-
4.	Dr. Parth Sarathi Panigrahy	Paramita Chattopadhyay	Tri-axial vibration based collective feature analysis for decent fault classification of VFD fed induction motor	Measurement, Volume 168, 2021, 108460, ISSN 0263-2241,	-	<a href="https://doi.org/10.1016/j.measurement.2020.108460">https://doi.org/10.1016/j.measurement.2020.108460</a> .	-



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5.	Venkatachalam KM	V. Saravanan	Performance evaluation and load demand management of grid connected hybrid wind-solar-battery system	International Journal of Applied Power Engineering (IJAPE), Vol. 9, No. 3, December 2020, pp. 223-224	-	<a href="http://ijape.iaescore.com/index.php/IJAPE/article/view/20271">http://ijape.iaescore.com/index.php/IJAPE/article/view/20271</a>	-
6.	Venkatachalam KM	V. Saravanan	Grid integration of PMSG based wind energy conversion with battery storage system	International Journal of Applied Power Engineering (IJAPE), Vol 10, No 2: June 2021.	-	<a href="http://ijape.iaescore.com/index.php/IJAPE/article/view/20318">http://ijape.iaescore.com/index.php/IJAPE/article/view/20318</a>	-
7.	Venkatachalam KM	V. Saravanan, M. Sabitha, V. Bindu & M. Arumugam	Single Switch Z Source/Quasi Z Source DC-DC Converters	International Journal of Applied Power Engineering (IJAPE), Vol 10, No 2: June 2021.	-	<a href="http://ijape.iaescore.com/index.php/IJAPE/article/view/20319">http://ijape.iaescore.com/index.php/IJAPE/article/view/20319</a>	-