



**MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE, MADANAPALLE**  
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Affiliated to JNTUA, Ananthapuramu & Approved by AICTE, New Delhi Post Box No: 14, Kadiri Road Angallu (Village), Madanapalle-517325 Department of  
Electrical and Electronics Engineering

**JOURNALS ARCHIVE- 3: 2018-2019**

S.No	Faculty Name	Co-Author	Paper/Book title	Publisher	Impact Factor	DOI	Citations
1.	Dr. P. Chandra Babu Naidu	Dr. M. Sreedevi	An Innovative Graded Snip Discovery protocol for Secure Data Transmission in multi hop path Networks	International Journal of Pure and Applied Mathematics, Vol. 118, Issue 17, pp. 935-948, February 2018	-	<a href="https://acadpubl.eu/jjsi/2018-118-16-17/articles/17/72.pdf">https://acadpubl.eu/jjsi/2018-118-16-17/articles/17/72.pdf</a>	-
2.	Dr. A.V.Pavan Kumar	Alivelu M Parimi and K Umar Rao	Tie-Line Frequency Bias Control Of Pv-Wind Hybrid Power System For Micro Grid Application	University Politehnica Of Bucharest Scientific Bulletin Series C-Electrical Engineering And Computer Science, Vol. 80, Issue 1, pp. 217-230, January 2018	-	<a href="https://www.scientificbulletin.upb.ro/rev_docs_arhiva/full803_115539.pdf">https://www.scientificbulletin.upb.ro/rev_docs_arhiva/full803_115539.pdf</a>	-
3.	Dr. M A Asha Rani	S Priyavarthini, C Nagamani and GS Ilango	An improved control for simultaneous sag/swell mitigation and reactive power support in a grid-connected wind farm with DVR	International Journal of Electrical Power & Energy Systems 101, 38-49, October 2018	3.610	10.1016/j.jepes.2018.03.016	2
4.	Dr.N. Prabakaran	V. Arun, T. Chinnadurai, K. Arulkumar, A. Rini Ann Jerin and K. Palanisamy	Analysis of Symmetric Multilevel Inverter using Unipolar Pulse Width Modulation for Photovoltaic Application	Comptes rendus de l'Académie bulgare des Sciences. Vol.71, No.2, pp.252-260, 2018	0.233	-	3
5.	Dr.N. Prabakaran	Chinnadurai T, N. Mohan Raj and M. Karthigai Pandian	Ultrasonically Welded and Non-Welded Polypropylene and PC/ABS Blend Thermal Analysis	Journal of Thermal Analysis and Calorimetry. Vol. 132, No. 3, pp. 1813-1824, 2018	1.953	10.1007/s10973-018-7052-y	-
6.	Mr. Garimella Raghu Chandra	K.V. Nagesha and 3Vedala Rama Sastry	Image Processing based Assessment of Blast Performance in Opencast Mines – Case Studies	Image Processing,Pages21-28,PublisherMcGraw-Hill Education	-	-	-



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7.	Dr.N. Prabakaran	A. Hina Fathima, K. Palanisamy, Saad Mekhilef, Akthar Kalam, Jackson Justo	Hybrid-Renewable Energy Systems in Microgrids	Woodhead Publishing Series in Energy, Elsevier Publications, June 2018, ISBN: 978-0-08-102493-5	-	<a href="https://doi.org/10.1016/C2017-0-01772-X">https://doi.org/10.1016/C2017-0-01772-X</a>	1
8.	Dr.N. Prabakaran	E. Najif	Multilevel inverters for photovoltaic energy systems in hybrid renewable energy systems	Hybrid-Renewable Energy Systems in Microgrids, Woodhead Publishing Series in Energy: Elsevier Publications, Ch. No.: 5, pp. 81-96, June 2018, ISBN: 978-0-08-102493-5	-	<a href="https://doi.org/10.1016/B978-0-08-102493-5.00005-4">https://doi.org/10.1016/B978-0-08-102493-5.00005-4</a>	-
9.	Dr.N. Prabakaran	A. Rini Ann Jerin, E. Najifi, K. Palanisamy	An overview of control techniques and technical challenges for inverters in micro grid	Hybrid-Renewable Energy Systems in Microgrids, Woodhead Publishing Series in Energy: Elsevier Publications, Ch. No.:6, pp. 97-107, June 2018, ISBN: 978-0-08-102493-5	-	<a href="https://doi.org/10.1016/B978-0-08-102493-5.00006-6">https://doi.org/10.1016/B978-0-08-102493-5.00006-6</a>	-
10.	Dr.N. Prabakaran	A. Rini Ann Jerin, Nallapaneni Manoj Kumar, K.Palanisamy,S.Umashankar, Pierluigi Siano	Smart Grid and Power Quality Issues	Hybrid-Renewable Energy Systems in Microgrids, Woodhead Publishing Series in Energy: Elsevier Publications. Ch. No.: 10, pp. 195-202, June 2018, ISBN: 978-0-08-102493-5	-	<a href="https://doi.org/10.1016/B978-0-08-102493-5.00010-8">https://doi.org/10.1016/B978-0-08-102493-5.00010-8</a>	1
11.	Dr.N. Prabakaran	S. Saravanan and N.Ramesh Babu	DC-DC converters for Renewable Energy Applications in Recent developments in modeling and control of smart grid systems	Smart Grid Systems Modeling and Control, Apple Academic Press, Ch.No.:5, June 2018, ISBN 9781771886253	-	-	-
12.	Dr.P.Chandra babu	M.subba rao Ch.Saibabu and S.Satyanarayana	Digital Fuzzy Current Mode Controlled Integrated PFC Converter with External Ramp Compensation	Journal of Circuits, Systems and Computers, Vol. 27, No. 09, 1850147 (2018)	0.595	<a href="https://doi.org/10.1142/S0218126618501475">https://doi.org/10.1142/S0218126618501475</a>	-
13.	Dr.D.Dhanalakshmi	kannanS and Gnanadas R	Generator reactive power pricing for practical utility system using power flow tracking method	International Journal of Engineering & Technology, Vol. 7, No.1.8 (2018) pp. 20-25	-	<a href="http://www.sciencepubco.com/index.php/ijet/issue/view/290">www.sciencepubco.com/index.php/ijet/issue/view/290</a>	-



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14	Dr. Arijit Bardhan Roy	Jayasree Roy Sharma, Gourab Das and Sumita Mukhopadhyay	Design Analysis of Heterojunction Solar Cells with Aligned AZO Nanorods Embedded in p-type Si wafer	Silicon pp 1–12, Springer, Accepted on 12 March 2019	1.246	<a href="https://doi.org/10.1007/s12633-019-00134-4">https://doi.org/10.1007/s12633-019-00134-4</a>	-
15	Dr. Pradosh Rajan Sahoo	Jitendra Kumar Goyal, Sandip Ghosh, Asim Kumar Naskar	New results on restricted static output feedback $H_{\infty}$ controller design with regional pole placement	ISSN 1751-8644, IET Control Theory & Applications, doi: 10.1049/iet-cta.2018.6138.	-	10.1049/iet-cta.2018.6138	-
16	Dr. Sudarshan Swain	Bidyadhar Subudhi	Iterated extended Kalman filter-based grid synchronisation control of a PV system	IET Energy Systems Integration, eISSN 2516-8401, Accepted on 30th May 2019	-	doi: 10.1049/iet-esi.2018.0010	-
17	Dr Aurobinda Bag	Prof Bidyadhar Subudhi, Prof. Pravat Kumar Ray	An Adaptive Variable Leaky Least Mean Square Control Scheme for Grid Integration of a PV System	IEEE Transactions on Sustainable Energy	-	<a href="https://doi.org/10.1109/TSTE.2019.2929551">https://doi.org/10.1109/TSTE.2019.2929551</a>	-
18	Dr. Subhasish Mahapatra	Bidyadhar Subudhi	Nonlinear $H_{\infty}$ control of autonomous underwater vehicles, Publication date April 2019	Navigation and Control of Autonomous Marine Vehicles, 2019	-	<a href="https://doi.org/10.1049/PBTR011E_ch6">https://doi.org/10.1049/PBTR011E_ch6</a>	-
19	Dr. Narendrababu A	N. Yalla and P. Agarwal	A New Three Phase Multi-Point Clamped 5L-HPFC With Reduced PSD Count and Switch Stress	IEEE Transactions on Industrial Electronics	-	10.1109/TIE.2019.2910030	-