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### **List of Publications**

1. Experimental validation of solar panel integrated modified three-port active clamp flyback converter fed micro-inverter,  
Authors: Kumarasabapathy, N.; Manoharan, P. S.; Ramasamy, M.  
Semiconductor Science and Technology, Volume 35, Number 10, 1-15, Sep 2020
2. Approximation of Empirical and ANN Based Solar Radiation Models for Four Smart Cities in Tamil Nadu with Most Prompting Input Parameters,  
Authors: Annapeachi VaG S Gayathri Manoharan P.S.  
International Journal of Recent Technology and Engineering (IJRTE) ISSN: 2277-3878, Volume-8 Issue-4, 12952-12961, November 2019.
3. Measurement and Analysis of Optical Characteristics of Silicon Solar Cell Using Integrating Sphere,  
Authors: P. S. Manoharan \*, V. Shanmugapriya , P. Deepamangai  
Universal Journal of Electrical and Electronic Engineering 6(4): 265-274, Nov 2019
4. Robust controller for grid-connected quasi-admittance source inverter for photovoltaic system  
Authors: P Deepamangai, PS Manoharan, Publication date: 2019/10/1, Journal: Electric Power Systems Research, Volume: 175, Page:105879, Publisher:Elsevier
5. Analysis Of Novel ANFIS Based MPPT Algorithm Under Partially Shaded Photovoltaic System  
Authors: G Giftson Samuel, M Muthuramalingam, P S Manoharan, C Christober Asir Rajan, Publication date: 2018/10, Journal of Electrical Engineering, Volume-18, Issue -3, Pages:25-31
6. Arduino Based Electronic Luggage Follower  
Authors: P S Manoharan, K Kaviya, M Kayalvizhi, M Subhashini, Publication date: 2018/10, Journal of Current Trends in Electrical Engineering, Volume: 3, Issue: 3, Pages: 1-9
7. PI-tuned UPFC damping controllers design for multi-machine power system  
Authors: G Kannayeram, PS Manoharan, NB Prakash, Publication date: 2018/7, Journal of Measurements in Engineering, Volume: 6, Issue: 2, Pages: 81-92.
8. Tuning of Unified Power Flow Controller Using PSO And NSGA-II Investigations  
Authors  
G Kannayeram, PS Manoharan, Willjuice M Iruthayarajan, T Sivakumar  
Publication date: 2018/6, Journal of Electrical Engineering, Volume: 18, Issue: 2, Pages :488-495
9. Estimation of daily global solar radiation in tropical region in south India using linear regression and Artificial Neural Network

- Authors: J Vishnupriyan, PS Manoharan, V Annapeachi, Publication date: 2018/6, Journal of Electrical Engineering, Volume :18, Issue :2, Pages: 319-324
10. Prospects of hybrid photovoltaic–diesel standalone system for six different climate locations in Indian state of Tamil Nadu  
Authors: J Vishnupriyan, PS Manoharan, Publication date: 2018/6/1, Journal of cleaner production, Volume: 185, Pages: 309-321, Publisher: Elsevier.
  11. Multi-criteria decision analysis for renewable energy integration: A southern India focus  
Authors: J Vishnupriyan, PS Manoharan, Publication date, 2018/6/1, Journal: Renewable Energy, Volume: 121, Pages: 474-488, Publisher: Pergamon
  12. Dynamic voltage restorer application for power quality improvement in nonlinear load  
Authors: R Saravanan, T Ramesh, P.S Manoharan, M Muhturamalingam, Publication date: 2017/12, Journal: International Journal of Research, Volume: 4, Issue: 17, Pages: 3155-3161.
  13. UPFC damping controller design using multi-objective evolutionary algorithms.  
Authors  
G Kannayeram, P.S Manoharan, Publication date : 2017/12, Journal: International Journal of Business Intelligence and Data Mining, Volume : 13, Issue: 1, Pages: 52-74
  14. Demand side management approach to rural electrification of different climate zones in Indian state of Tamil Nadu  
Authors: J Vishnupriyan, PS Manoharan, Publication date: 2017/11/1, Journal: Energy, Volume: 138, Pages: 799-815, Publisher: Pergamon.
  15. THD mitigation in various level quasi Z-source cascaded inverter by hybrid step modulation-SHEPWM method  
Authors: M Senthil Kumar, P.S Manoharan, Publication date : 2017/9, Journal: Journal of Electrical Engineering, Volume: 17, Issue : 3, Pages : 100-109
  16. An efficient soft switching buck converter scheme for charging lead acid battery from PV source  
Authors: Veeralagureddy Seetharaman, P Subramanian Manoharan, Publication date : 2017/5/1, Journal: Journal of Renewable and Sustainable Energy, Volume: 9, Issue:3, Pages: 034101, Publisher : AIP Publishing
  17. Cleaning Solar Panels using Portable Robot System  
Authors: V Selvaganesh, P.S Manoharan, Publication date: 2017/2, Journal: International Journal of Control Theory and Applications, Volume: 10, Issue: 2, Pages:195-203.
  18. ANFIS based UPQC for power quality improvement  
Authors : R Saravanan, P.S Manoharan, Publication date : 2016/10, Journal: Journal of Electrical Engineering, Volume: 16, Issue: 3, Pages: 299-310.
  19. Investigational Validation of PV Based DCD-MLI Using Simplified SVM Algorithm Utilizing FPGA Tied with Independent Sources  
Authors : M Valan Rajkumar, P Prakasam, PS Manoharan, Publication date: 2016/9/6, Journal : Circuits and Systems, Volume: 7, Issue: 11, Page: 3831,Publisher: Scientific Research Publishing.
  20. Design and Implementation of ANFIS Controller Based Grid Connected Voltage Source Inverters in RTOS Environment  
Authors: D Thalpathi Udhayakumar, PS Manoharan, Publication date ; 2016/7/5, Journal: Circuits and Systems, Volume: 7, Issue : 09, Pages: 2452, Publisher: Scientific Research Publishing.
  21. Model predictive control of 2DOF helicopter

Authors : A.P.S Ramalakshmi, P.S Manoharan, K Harshath ,Publication date: 2016/6, Journal: International Journal of Innovation and Scientific Research, Volume :24, Issue :2, Pages : 337–346.

22. Intelligent controller for UPQC using combined neural network  
Authors: R Saravanan, P S Manoharan, Publication date: 2016/5, Journal :Circuits and Systems, Volume: 7, Pages: 680-691.
23. Multilevel Inverter Based UPQC for Power Quality Improvement  
Authors: R Saravanan, P.S Manoharan, Publication date: 2016/3,Journal: International Journal of Advanced Engineering Technology, Volume: 7, Issue: 1, Pages:611-617
24. An interleaved boost converter integrated power conditioner for power quality improvement  
Authors: R Saravanan, PS Manoharan, K Karuppusamy , Journal: Advances in Natural and Applied Sciences, 2016 Volume: 10, Issue : 2, Pages : 129-136
25. Design, Control and Analysis of Low Cost Archetype Dual Rotor Helicopter for Educational Institution  
Authors : APS Ramalakshmi, PS Manoharan, Publication date: 2016, Journal: Circuits and Systems, Volume: 7, Issue : 10, Pages : 3329, Publisher : Scientific Research Publishing.
26. Neuro Fuzzy Based Unified Power Quality Conditioner for Power Quality Improvement Fed Induction Motor Drive.