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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 Va G 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 Christoher 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  
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8. Tuning of Unified Power Flow Controller Using PSO And NSGA-II Investigations  
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G Kannayeram, PS Manoharan, Willjuice M Iruthayarajan, T Sivakumar  
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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  
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  11. Multi-criteria decision analysis for renewable energy integration: A southern India focus  
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  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.
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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  
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  19. Investigational Validation of PV Based DCD-MLI Using Simplified SVM Algorithm Utilizing FPGA Tied with Independent Sources  
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  20. Design and Implementation of ANFIS Controller Based Grid Connected Voltage Source Inverters in RTOS Environment  
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24. An interleaved boost converter integrated power conditioner for power quality improvement  
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26. Neuro Fuzzy Based Unified Power Quality Conditioner for Power Quality Improvement Fed Induction Motor Drive.