

Dr. P.Maruthupandi

List of Journal Publications

1. MaruthuPandi.P. and Devarajan.N. (2015) "Optimum control of Total Harmonic Distortion in Field Programmable Gate Array based cascaded multilevel inverter" Journal of Vibration and control (JVC). Online publication: 20th September -2013 and Vol. 21(10) No.55 pp.1999–2005; ISSN: 10775463 Impact factor:2.101
2. MaruthuPandi.P, Poomathi R (2015) "Performance Analysis of photo voltaic system with subpanel MPPT converter" International journal of Applied Engineering Research(IJAER) Vol.10, No.4, pp.10065-10078 ISSN: 0973-4562 Impact factor: 0.14
3. MaruthuPandi.P. Karthik S (2015) "Efficient design of hall effect current transformer for the measurement and protection of power systems" International journal of Engineering Research and Technology (IJERT) TITCON-2015 Conference proceedings, pp.874-879.
4. MaruthuPandi.P, Devarajan.N and Vinishza P (2015) "An improved MPPT scheme for PV systems under unstable shaded conditions" Journal of Energy research and Environmental Management: An innovative Approach of Electrical Engineering.Vol.-, No.1, pp. 35-41.
5. MaruthuPandi.P.Devarajan.N and Vinishza P (2015) "Performance Comparison of Controllers for Photovoltaic Systems " International journal of Applied Engineering Research(IJAER) Vol.10, No.55, pp.836-841; ISSN: 0973-4562 Impact factor: 0.14.
6. MaruthuPandi.P, Sebasthirani K and Balaganesan S.M.(2015) "New Control Technique for Mitigation of Harmonics in Three Phase System Using Shunt Active Power Filter " International journal of Applied Engineering Research(IJAER) Vol.10, No.88, pp.213-218; ISSN: 0973-4562 Impact factor: 0.14
7. MaruthuPandi.P, Suganthi R.(2015) " A Comparative Survey of Maximum Power Point Tracking Techniques for Photovoltaic System" International journal of Applied Engineering Research(IJAER) Vol.10, No.88, pp.237-242; ISSN: 0973-4562 Impact factor: 0.14.
8. MaruthuPandi.P, Vijayalaksmi N. (2018) " Reduced ripple buck-boost converter design for solar portable applications" Journal of Graphic Technology, Vol-14 pp 1242-1251,ISSN 1748-0345.Publisher: TAGA
9. MaruthuPandi.P, Radhika.A. (2018) "A New Improved Three phase Trans ZSource Inverter" International Journal of Pure and Applied Mathematics (IJPAM)Volume 118 No. 18 2018, 4655-4670 ISSN: 1311-8080 (printed version); ISSN: 1314-3395 (on-line version)url: <http://www.ijpam.eu>
10. MaruthuPandi.P, Radhika.A. (2018) "Comparative Analysis of Transformer based Z Source Inverter (TZSI) and Impedance Source Inverter (ZSI)" International Journal of Pure and Applied Mathematics (IJPAM) Volume 119 No. 12 2018, 1665-1675 ISSN: 1314-3395 (on-line version) url: <http://www.ijpam.eu>.
11. MaruthuPandi.P, Bagavathiy S (2018) "Sensorless cluster based neural-fuzzy control strategy for four quadrant operation of three phase BLDC motor with load variations" Cluster Computing: The Journal of Networks, Software Tools and Applications ISSN: 1386-7857 (Print) 1573-7543 (Online) DOI

10.1007/s10586-017-1639-0, pp 1-10 Volume 21, Issue 3, September 2018 Publisher: Springer.
Impact factor: 1.96.

12. MaruthuPandi.P, Vijayalaksmi N. (2018) "An optimal low power digital controller for portable solar applications" Journal of Renewable and Sustainable Energy vol10, Issue-5 053702 pp 1-10 doi: 10.1063/1.5043500.
13. MaruthuPandi.P, Mathavapandian (2018) "Experimental Analysis in Wearable Temperature Sensor Using Advanced Encryption Standard for Energy Efficient Information Transmission in Wireless Sensor Networks" Journal:Sensor Letters, Volume 16, Number 11, November 2018, pp. 846-854(9) Publisher: American Scientific Publishers, DOI: <https://doi.org/10.1166/sl.2018.4041>
14. MaruthuPandi.P, AmuthambigaiyinSelvi (2018) "Identification and Estimation of Unstable processes" International Journal of Emerging Innovations in Science and Technology-ISSN:2348-4403, Vol.4,Issue-2 Publisher:Coumbatore: Infinite Tech Innovations
15. MaruthuPandi.P, DhasBensam S. (2019) "A hybrid MWOAL approach for fast and efficient maximum power point tracking in wind energy conversion systems" Journal of Renewable and Sustainable Energy, Vol11, Issue-03 3302, pp 1-15, 02 May 2019 doi.org/10.1063/1.5080784, Publisher:American Institute of Physics (AIP)
16. MaruthuPandi.P, Hema K (2019) "Load frequency control of micro grid with ANFIS controller" Journal of Information, Knowledge and Research in Electrical Engineering Vol 05, No.05, pp 667-672 Nov-18-Oct-19 Publisher:AES
17. MaruthuPandi.P, Hema K (2019) "Frequency control of distributed generators in micro grid with ANFIS controller" International research journal of Engineering and Technology, Vol 06, No 05, pp 6404-6408, May-2019
18. MaruthuPandi.P, Santhosh Kumar R (2019) "Design and implementation of PWM rectifier with power factor control" International research journal of Engineering and Technology, (IRJET) e-ISSN: 2395-0056 p-ISSN: 2395-0072
19. MaruthuPandi.P, DhasBensam S. (2019) "Compatibility of electrical generators for harvesting extended power from wind energy conversion system" journal of Measurement and Control pp 1-12 DOI: 10.1177/0020294019858183 SAGE Publications
20. MaruthuPandi.P, SenthilMurugan.L, "Minimization of Torque Ripple in Switched Reluctance Motor - A Review"International Journal of Advanced Research in Basic Engineering Sciences and Technology (IJARBEST)Vol.5, Issue.4, pp 106-115, April 2019, ISSN (ONLINE):2456-5717
21. MaruthuPandi.P, Bagavathiy S (2018) "Fuzzy with PID based Sensorless Brushless DC Motor Control"International Journal of Engineering & Technology, 7 (4.19) (2018) 481-484 DOI: [10.14419/ijet.v7i4.19.23205](https://doi.org/10.14419/ijet.v7i4.19.23205)
22. MaruthuPandi.P, Mathavapandian (2019) "FPGA implementation of highly scalable AES algorithm using modified mix column with gate replacement technique for security application in TCP/IP" Journal: Microprocessors and Microsystems, Elsevier publication ISSN : 0141-9331
23. MaruthuPandi.P, Mathavapandian (2019) "System Level Protection Against Side-Channel Attack Using High Performance Virtual Secure Circuit for Cryptographic Processor" Journal Name: Wireless Personal Communications, Springer publication, ISSN online: 0929-6212.

24. P. Maruthupandi ,A.Radhika(2019) “ A New Improved Trans Z Source Inverter based Three Phase UPS” Indian Journal of Science and Technology, Vol 12(19), pp 1-10, DOI: 10.17485/ijst/2019/v12i19/144468, May 2019, ISSN (Print) : 0974-6846 ISSN (Online) : 0974-5645
25. P. Maruthupandi, SenthilMurugan.L (2020) Sensorless speed control of 6/4-pole switched reluctance motor with ANFIS and fuzzy-PID-based hybrid observer (Electrical Engineering, Springer-Verlag GmbH Germany, <https://doi.org/10.1007/s00202-019-00915-5>)
26. P. Maruthupandi, SenthilMurugan.L (2020) Realization of fault tolerant capability in a multiphase SRM drive using wavelet transform. (Microprocessors and Microsystems, Elsevier, <https://doi.org/10.1016/j.micpro.2020.103104>)
27. Maruthupandi.P, Kaviya.V, (2020), Performance analysis of solar PV battery grid connected single phase transformerless inverter” International Journal of Engineering Applied Sciences and Technology, 2020 Vol. 5, Issue 4, ISSN No. 2455-2143, Pages 445-449 Published Online August 2020 in IJEAST (<http://www.ijeast.com>)