

PUBLICATION DETAILS OF PROPOSED DC MEMBERS

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Journal Publications:

1. MaruthuPandi P S Madhavapandian(2020), "FPGA implementation of highly scalable AES algorithm using modified mix column with gate replacement technique for security application in TCP/IP", Journal of Microprocessors and Microsystems, pp 102972
2. MaruthuPandi P and Dhas Bensam 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 11, 033302, pp. 1-15.
3. MaruthuPandi P and 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.
4. MaruthuPandi P and Radhika A (2018), "A New Improved Three phase Trans Z Source Inverter". International Journal of Pure and Applied Mathematics (IJPAM), Vol. 118, No. 18, 2018, pp. 4655-4670, ISSN: 1311-8080 (printed version), ISSN: 1314-3395 (on-line version) url: <http://www.ijpam.eu>.
5. MaruthuPandi P and 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), Vol. 119, No. 12, 2018, pp. 1665-1675, ISSN: 1314-3395 (on-line version) url: <http://www.ijpam.eu>.
6. MaruthuPandi P and 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, Vol. 21, Issue 3, September 2018, Publisher: Springer, Impact factor: 1.96.
7. MaruthuPandi P and Vijayalaksmi N (2018), "An optimal low power digital controller for portable solar applications", Journal of Renewable and Sustainable Energy, 10, 053702, pp. 1-10, doi: 10.1063/1.5043500.
8. MaruthuPandi P and Mathavapandian (2018), "Experimental Analysis in Wearable Temperature Sensor Using Advanced Encryption Standard for Energy Efficient Information Transmission in Wireless Sensor Networks", Journal: Sensor Letters,

- Vol. 16, No. 11, November 2018, pp. 846-854 (9), Publisher: American Scientific Publishers, DOI: <https://doi.org/10.1166/sl.2018.4041>.
9. MaruthuPandi P and Amuthambigaiyin Selvi (2018), "Identification and Estimation of Unstable processes", International Journal of Emerging Innovations in Science and Technology, ISSN: 2348-4403, Vol. 4, Issue 2.
 10. 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.
 11. MaruthuPandi P and 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.
 12. MaruthuPandi P and 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.
 13. 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, pp. 35-41.
 14. 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.
 15. 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.
 16. MaruthuPandi P and 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.

Conference Publications:

1. MaruthuPandi P and Senthil Murugan L (2019), "Analysis of 6/4 & 10/8 pole switched Reluctance motor with compact power converter", National Conference on Communication, Computing and System Design (NC³SD '19) organized by the Departments of CSE, EEE and ECE, PSG Institute of Technology and Applied Research, Coimbatore on 19th March 2019.
2. MaruthuPandi P and Sathya E (2018), " Selective Harmonic Elimination in symmetrical cascaded H-Bridge multilevel inverter with Newton Raphson Algorithm", National Conference on Alternate Energy Technologies (NCAET 2018)

held at Department of EEE, Government College of Technology, Coimbatore on 27th April 2018

3. MaruthuPandi and P Kaushika C (2018), "Modelling and Analysis of Synchronous machine", National Conference on Alternate Energy Technologies (NCAET 2018) held at Department of EEE, Government College of Technology, Coimbatore on 27th April 2018.
4. MaruthuPandi P and Kaushika C (2018), "Ordinal Optimization Technique for State Estimation in Distribution System", International Conference on Contemporary Topics in Electrical and Electronics Engineering (ICCTEEE' 2018) held at Karpagam College of Engineering, Coimbatore during 27th and 28th Feb-2018, ISSN:2456-1983, pp. 643-648.
5. MaruthuPandi P and Sathya E (2018), "Performance analysis of PMSG based wind energy conversion system with Super capacitor", 4th International Conference on Electrical Energy Systems (ICEES '2018) held at SSN College of Engineering, Chennai during 07th to 09th Feb-2018 (Indexed in IEEE Xplore-<https://doi.org/10.1109/ICEES.2018.8443259>), pp. 57-60.
6. MaruthuPandi P and Suganthi R (2017), "PWM Technique for three phase transformer less grid connected photo voltaic Inverter", 8th Industrial Automation and Electromechanical Engineering Conference (IEEE-IEMECON-2017) organized by IEEE Thailand section held at Bangkok, Thailand during 16th to 18th August-2017.
7. MaruthuPandi P and Shaik Abdul Rahman (2017), "Performance Analysis of Hybrid converter with open loop and closed loop control" TEQIP II CoE-AER sponsored National Conference on Alternate Energy Technologies (ICAET'17) held at Department of EEE, Government College of Technology, Coimbatore on 24th March 2017.
8. MaruthuPandi P and Angel A (2017), "Performance Analysis of Hybrid Renewable Energy Sources", TEQIP II CoE-AER sponsored National Conference on Alternate Energy Technologies (ICAET'17) held at Department of EEE, Government College of Technology, Coimbatore on 24th March 2017.
9. MaruthuPandi P and Chelladurai S (2017), "Demand side Management with Load Shifting Technique in Smart Grid", TEQIP II CoE-AER sponsored National Conference on Alternate Energy Technologies (ICAET'17) held at Department of EEE, Government College of Technology, Coimbatore on 24th March 2017.
10. MaruthuPandi P and Angel A (2017), "Performance Analysis of DC nano grid with Renewable Energy Sources through simulation", ICMR sponsored IEEE International Conference on Science, Technology, Engineering and Management (ICSTEM'17) held at KIT - KalaignarKarunanidhi Institute of Technology, Coimbatore on 3rd and 4th March, 2017.
11. MaruthuPandi P and Sivasubbulakshmi R (2016), "Hybrid type full bridge DC-DC converter with high efficiency using PV systems", National Conference on Renewable Energies held in the Department of EEE, Government College of Technology, Coimbatore on 7th April 2016.
12. MaruthuPandi P and Sivasubbulakshmi R (2015), "Design and simulation of three phase two stage grid connected frequency modulated LLC micro inverter using film

- capacitor”, International Conference on Alternate Energy Technologies (ICAET-2015) organized by Department of EEE, Government College of Technology, Coimbatore during 25th to 26th November 2015.
13. MaruthuPandi P and Ajay R (2015), “Fast converging MPPT algorithm for PV panel using SAZZ converter”, International Conference on Alternate Energy Technologies (ICAET-2015) organized by Department of EEE, Government College of Technology, Coimbatore during 25th to 26th November 2015.
 14. MaruthuPandi P and Vinishza P (2015), “Performance comparison of controllers for photo voltaic systems”, International Conference on Advances in Applied Engineering & Technology (ICAAET-2015) organized by Syed Ammal Engineering College, Ramanathapuram during 14th to 16th May 2015.
 15. MaruthuPandi P and Karthik S (2015), “Efficient design of hall effect current transformer for the measurement and protection of power systems”, International Conference on Trends in Technology for Convergence (TITCON-2015) organized by AVS Engineering College, Salem during 10th and 11th April 2015.
 16. MaruthuPandi P and Ramalingam R (2015), “Design and Simulation of high frequency inverter for PV system”, International Conference on Trends in Technology for Convergence (TITCON-2015) organized by AVS Engineering College, Salem during 10th and 11th April 2015.
 17. MaruthuPandi P and Vinishza P (2015), “An improved MPPT scheme for PV systems under unstable shaded conditions”, Second International Conference on Applied Sciences, Environmental Engineering and Energy Technology for Sustainable Development (ASET-2015) organized by KrishiSanskriti at Jawaharlal Nehru University, New Delhi during 14th and 15th February 2015.
 18. MaruthuPandi P and Jacksy J (2014), “Maximum Power Point Tracking of Small Scale Wind Energy Conversion System using MPPT Techniques”, International Conference on Recent Innovations in Science, Engineering and Technology – ICRISSET’14 organized by Immanuel Arasar JJ College of Engineering during 2nd and 3rd April 2014.
 19. MaruthuPandi P and Poomathi R (2014), “Maximum Power Point Tracking Technique for Photovoltaic Systems under Partial Shaded Conditions”, National Conference – Advanced Computing and Communication Systems (NCACCS 2014) organized by Government College of Technology, Coimbatore on 27th March 2014.
 20. MaruthuPandi P and Karthik S (2014), “Simulation of Transformer less High Efficiency PV Inverter using Interleaved Buck-Boost Converter”, National Conference – Advanced Computing and Communication Systems (NCACCS 2014) organized by Government College of Technology, Coimbatore during 27th March 2014.

