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## JOURNAL PUBLICATION DETAILS

- 1. K. Anu Dheebha, S.Vijayalakshmi, KR.Vairamani, A.R.Danila Shirly, and V.Suganya, "Comparison of Synchronous SEPIC and Synchronous Super Lift LUO Converter for Photovoltaic Energy Generation System", International Journal of Engineering Science and Computing (IJESC), in Vol. 6, Issue No. 3, March 2016, ISSN: 2321 3361, pp. 3031-3036.
- 2. S.Vijayalakshmi, KR.Vairamani, A.R.Danila Shirly, K.Anu Dheebha "Design and comparsion of PID and sliding mode controller", V.Suganya, (IJEE) International Journal of Electrical Engineering (Annexure-II), Accepted for Publications.
- 3. A.R.Danila Shirly, S.Vijayalakshmi, KR.Vairamani , ,K.Anu Dheebha ,V.Suganya, "Incremental conductance MPPT for solar powered SEPIC converter", (IJEE) International Journal of Electrical Engineering (Annexure-II), Accepted for Publications.
- 4. IJSEC "Comparison of Synchronous SEPIC and Synchronous super lift Luo converter for Photovoltaic energy generation system", ISSN 2321 3361, March 2016.K. Anu Dheebha, S.Vijayalakshmi, KR.Vairamani, A.R.Danila Shirly, V.Suganya
- 5. IJSEC "Analysis of Perturb and Observe and Incremental conductance MPPT for solar powered SEPIC converter", ISSN 2250 1371, March 2016. A.R.Danila Shirly, S.Vijayalakshmi, KR.Vairamani, K.Anu Dheebha, V.Suganya.
- 6. S. Anuthilak, P. Narmatha, B. Yoga, S. Vijayalakshmi "High Efficiency Street Lightning using ZigBee based Online Control System", IJARCCE, Vol. 6, Issue 1, January 2017.
- 7. P. Ponnarasi, S. Vijayalakshmi, S. Manila, H. Preetha, D. Nividitha, "Drinking Water Management using Solar Power BLDC Motor", IIJERT, Vol. 5, Issue 13, pp. 535-538.
- 8. S. Prassanna Perumal, S. Vijayalakshmi, KR. Vairamani, K. Kalyani, "Multi Level Security Based Electronic Voting System", International Journal of Electrical, Electronics and Communication Engineering, Volume 2 Issue 2, May 2017. Pp. 1-13.

- 9. P. Narmatha, M. Marimuthu, S. Vijayalakshmi, N. Shobana, "Time domain based Discrete PID controller for cascaded Boost converter", International Journal of Advanced Research Trends in Engineering and Technology (UGC Approved Journal), Vol. 5, Special Issue 8, March 2018, pp. 85-91.
- 10. S. Prasanna perumal, S. Vijayalakshmi, M. Marimuthu, N. Shobana, "Solar Energy based DC grid Auto Irrigation", International Journal of Advanced Research Trends in Engineering and Technology (UGC Approved Journal), Vol. 5, Special Issue 8, March 2018, pp. 139-147.
- 11. M. Priyanga, J. Sherrin banu, M. Marimuthu, B. Paranthagan, S. Vijayalakshmi, "Patients Healthcare Monitoring system in Ambulance using IOT", International Journal of Advanced Research Trends in Engineering and Technology (UGC Approved Journal), Vol. 5, Special Issue 8, March 2018, pp. 168-170.
- 12. J. Sherrinbanu, M. Priyanga, M. Marimuthu, S. Vijayalakshmi, B. Paranthagan, "PLC based Energy Management system with Automatic platform allocation", International Journal of Advanced Research Trends in Engineering and Technology (UGC Approved Journal), Vol. 5, Special Issue 8, March 2018, pp. 171-174.
- 13. J. Sherrinbanu, M. Priyanga, M. Marimuthu, S. Vijayalakshmi, B. Paranthagan, "Low cost automatic street light control using PLC and Timer", International Journal of Advanced Research Trends in Engineering and Technology (UGC Approved Journal), Vol. 5, Special Issue 8, March 2018, pp. 167-170.
- 14. J. Sherrinbanu, M. Priyanga, M. Marimuthu, S. Vijayalakshmi, B. Paranthagan, "Automatic Vehicle detection and accident prevention", International Journal of Advanced Research Trends in Engineering and Technology (UGC Approved Journal), Vol. 5, Special Issue 8, March 2018, pp. 180-183.
- 15. N. Maryhelen, S. Vijayalakshmi, V. Rajalakshmi, "Automatic Star-Delta-Star starter Energy Saver", International Journal of Advanced Research Trends in Engineering and Technology (UGC Approved Journal), Vol. 5, Special Issue 8, March 2018, pp. 204-208.
- S. Priya, C. Balaji, S. Vijayalakshmi, "Solar Panel Tracking and Monitoring System using GSM", International Journal of Advanced Research Trends in Engineering and Technology (UGC Approved Journal), Vol. 5, Special Issue 8, March 2018, pp. 239-244.
- 17. S.Priya, S. Vijayalakshmi, M. Marimuthu, S. Prasanna perumal, "Modelling and Simulation of Hybrid (wind and Solar) for DC MicroGrid, International Journal of Scientific & Engineering Research Volume 9, Issue 3, March-2018 pp. 163-167.
- 18. P.Narmadha, M.Marimuthu, S.Vijayalakshmi, S.Shobana, K. RameshKumar, "PV Sustained Cascaded Boost Converter with PID Controller", International Journal of Scientific & Engineering Research Volume 9, Issue 3, March-2018, pp. 157-161.

- 19. S. Prasanna perumal, S. Vijayalakshmi, M. Marimuthu, "Solar Energy based DC Grid water management system" International Journal of Scientific & Engineering Research Volume 9, Issue 3, March-2018, pp. 174 179.
- 20. Dr.S.Vijayalakshmi, Cyril RozarioB, ArunPrasath P A Vignesh V & Kishore Kumar S , "VULCOPTER", In An International Journal Of Applied Science And Computations (JASC) Scopus Suggested Journal ID: 50E0TF02C8886FF83, ISSN N0:1076-5131, Impact Factor 5.8. , vol. 5,. No. 8, 2019,Page No: 67-70. DOI: 16.10089.JASC.2018.V6I4.453459.16010170.
- 21. J.Sherrin Banu, Dr.S.Vijayalakshmi, M.Marimuthu, "Design of SEPIC Converter for Renewable Energy Applications", in an International Journal of Applied Science and Computations (JASC) Scopus Suggested Journal ID: 50E0TF02C8886FF83, ISSN N0:1076-5131, Impact Factor-5.8., vol. 5,. No. 8, 2019, Page No: 310-313. DOI:16.10089.JASC.2018.V6I4.453459.16010216.
- 22. J.Sherrin banu , Dr.S.Vijayalakshmi, "Dual Axes Solar Energy Tracking Powered Automatic Home Light Control", in an International Journal of Applied Science and Computations (JASC) Scopus Suggested Journal ID: 50E0TF02C8886FF83, ISSN N0:1076-5131, Impact Factor 5.8. , vol. 5,. No. 8, 2019, Page No: 314-318. DOI:16.10089.JASC.2018.V6I4.453459.16010217.
- 23. M.Priyanga, B.Paranthagan, Dr.S.Vijayalakshmi, M.Marimuthu, "Design and Analysis Of Quadratic Boost Converter", in an International Journal of Applied Science and Computations (JASC) Scopus Suggested Journal ID: 50E0TF02C8886FF83, ISSN N0:1076-5131, Impact Factor 5.8., vol. 5,. No. 8, 2019, Page No: 329-332. DOI:16.10089.JASC.2018.V6I4.453459.16010220.
- 24. M.Gomathi, S.Vijayalakshmi, "Performance Evaluation Of Cascaded Boost Converter", in an International Journal of Applied Science and Computations (JASC) Scopus Suggested Journal ID: 50E0TF02C8886FF83, ISSN N0:1076-5131, Impact Factor 5.8., vol. 5,. No. 8, 2019, Page No: 357-360. DOI:16.10089.JASC.2018.V6I4.453459.16010225.
- 25. J. Senthilnathan, S.Vijayalakshmi, RS. Priyaadharshini, "PLC based alarm/trip status for monitoring generator transformer", in an International Journal of Applied Science and Computations (JASC) Scopus Suggested Journal ID: 50E0TF02C8886FF83, ISSN N0:1076-5131, Impact Factor 5.8, vol. 5,. No. 8, 2019, Page No: 395-399. DOI:16.10089.JASC.2018.V6I4.453459.16010225.
- 26. R. Shenbagalakshmi, S.Vijayalakshmi, K. Geetha, "Design and analysis PID controller for Luo Converter", International Journal of Power Electronics, vol.11, No.3, 2020.(Springer)

- 27. S.Vijayalakshmi, M.Marimuthu, A. Srimathi, M. Gomathi, P.P. Ayisha Banu, "Discrete controlled Bi Frequency Boost Converter", International Journal of Psychosocial Rehabilitation, vol. 24, issue. 10, , pp. 2685-2692, June, 2020.
- 28. M.Marimuthu, S.Vijayalakshmi, "Symmetric Multi-Level Boost Inverter with Single DC Source Using Reduced Number of Switches", Technical Tehnički vjesnik, vol. 27,No. 5, 2020, pp. 1585-1591.
- 29. M.Marimuthu, S.Vijayalakshmi, R.Shenbagalakshmi, "A Novel Non-isolated Single Switch Multilevel Cascaded DC–DC Boost Converter for Multilevel Inverter Application", Journal of Electrical Engineering and Technology, vol. 15, 2020, 2157-2166.