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PROFESSOR & HOD

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Papers Published in Journals:

1. M. Sivaramkrishnan, Dr. A. Amudha, Dr. M. Siva Ramkumar “Space Vector Technique for the DirectThree-Level Matrix Converter” in Test Engineering and Management, 83 March April 2020 pp: 2342-2353.
2. Dr.A. Amudha, Dr.M. Siva Ramkumar “Smart Time Table using Arduino with Biometirc Attendance System” in Test Engineering and Management, 83 March April 2020 pp: 2561- 2570 (Scopus Indexed)
3. Thiagarajan .k, Dr. M. Siva Ramkumar, Dr. A. Amudha, Dr. G. Emayavaramban, Dr. Viyathukattuva, S. Divyapriya, M. Sivaram Krishnan, Kavitha D “Simulation Study and Implementation of Non-Direct Current Controlled Shunt Active Power Filter for Power Quality Enhancement” in Test Engineering and Management, 83 March April 2020 pp: 2271-2277 (Scopus Indexed)
4. Sivashanmugam R, Dr.M. Siva Ramkumar, A. Amudha, G. Emayavaramban, Viyathukattuva , P. Nagaveni, M. Sivaram Krishnan, Kavitha D “Development of Hybrid Controller for Load Frequency Control of Hydro Thermal Power System” in Test Engineering and Management, 83 March April 2020 pp: 2585- 2594 (Scopus Indexed)
5. Mohideen Abdul Kadar, Dr. A. Amudha, Dr. K. Balachander, Dr. G. Emayavaramban, Dr. Viyathukattuva, Dr. M. Siva Ramkumar, P. Nagaveni “Improved Performance of Single-Phase Seven-Level Grid-Connected Inverter for PV System” in Test Engineering and Management, 83 March April 2020 pp: 2278-2283 (Scopus Indexed)
6. J. R. Abilash, Dr. A. Amudha, Dr. M. Siva Ramkumar, Dr. G. Emayavaramban, Dr. Viyathukattuva, P. Nagaveni “A Inductor Average Current Mode Controller Plus Proportional Integral Controller for a Bi-Directional AC-DC Power Converter with Power Factor Correction for DC Micro Grid” in Test Engineering and Management, 83 March April 2020 pp: 2529- 2544 (Scopus Indexed)
7. M. Sivaramkrishnan, Dr.A. Amudha and Dr.M. Siva Ramkumar “Modulation Techniques of the Matrix Converter Using RSV” in Journal of Advanced Research in Dynamical and Control Systems, 11(12) pp: 1041-1053 (Scopus Indexed)
8. G. Boopathy, Dr.M. Siva Ramkumar, Dr.A. Amudha, Dr. Viyathukattuva, Dr.G. Emayavaramban, P. Nagaveni, S. Divyapriya and M. Sivaram Krishnan, “Performance Evaluation of Three Phase Shunt Active Power Filter in Power System Using Non-Linear Controller” in Journal of Advanced Research in Dynamical and Control Systems, 11(12) pp: 1193-1204 (Scopus Indexed).
9. S. Srinivasa Sadagopan, Dr.A. Amudha, Dr.M. Siva Ramkumar, Dr. Viyathukattuva, Dr.G. Emayavaramban, P. Nagaveni and S. Divyapriya, “Modeling, Simulation and Implementation of Dual Loop Controller for Super Lift LUO Converter in DC Micro Grid Application” in Journal of Advanced Research in Dynamical and Control Systems, 11(12) pp: 1025-1040 (Scopus Indexed)

10. S.N. Senthil Kumar, Dr. Viyathukattuva, Dr.A. Amudha, Dr.G. Emayavaramban, Dr.M. Siva Ramkumar, P. Nagaveni and S. Divyapriya, "Performance Evaluation of Modeling and Simulation of Higher Pulse Ac-Dc Converters for Improved Power Quality" in Journal of Advanced Research in Dynamical and Control Systems, 11(12) pp: 1054-1074 (Scopus Indexed)
11. P. Nagaveni, V. Saravanakuma, Dr.A. Amudha, N. Prasanna, Dr.M. Siva ramkumar, M. Nivetha and Dr.G. Emayavaramban, "Power Quality Audit- An Experience in An Leading Engineering Industry" in Journal of Advanced Research in Dynamical and Control Systems, 11(12) pp: 1075-1085 (Scopus Indexed)
12. P. Krishnan, Dr.M.A.M.M. Viyathukattuva, Dr.A. Amudha, Dr.M. Siva Ramkumar, Dr.G. Emayavaramban and P. Nagaveni, "MATLAB/Simulink Analysis and Implementation of Fault Identification of EHV Lines Using Wavelet Transform based FLC" in Journal of Advanced Research in Dynamical and Control Systems, 11(12) pp: 1181-1192.
13. A. Srinath, Dr. Viyathukattuva, Dr.A. Amudha, Dr.M. Siva Ramkumar, Dr.G. Emayavaramban and S. Divyapriya, "Design of FLC plus Proportional Controller for KY Positive Output Boost Converter" in Journal of Advanced Research in Dynamical and Control Systems, 11(12) pp: 1214-1226 (Scopus Indexed).
14. B. Lalitha, S. Divyapriya, Dr.A. Amudha, Dr.G. Emayavaramban, Dr. Viyathukattuva, Dr.M. Siva Ramkumar and M. Nivetha, "Design, Analysis and Application of Dynamic Wireless Power Transfer Technique at High Switching Frequency for a Electric Vehicle Battery Chargers" in International Journal of Psychosocial Rehabilitation, 23(4) pp: 567-581 (Scopus Indexed)
15. S. Mohanraj, S. Divyapriya*, Dr.A. Amudha, Dr.G. Emayavaramban, Dr. Viyathukattuva and Dr.M. Siva Ramkumar, "Technical and Economical Analysis of Power Management System for Electric and Hydrogen Vehicles Charging Station Using Solar Powered, Hydrogen and Fuel Cell Technology" in International Journal of Psychosocial Rehabilitation, 23(4) pp: 582--591 (Scopus Indexed)
16. P.Senthilkumar, Dr.G.Emayavaramban, Dr.A.Amudha, Dr.M. Siva Ramkumar, Dr. Viyathukattuva, P. Nagaveni and M. Nivetha "Hybrid based Small Wind Generator with Boost Converter System" in International Journal of Psychosocial Rehabilitation, 23(4) pp: 605-615 (Scopus Indexed)
17. S.P. Sivakumar, Dr.G. Emayavaramban*, Dr.A.Amudha, Dr.M. Siva Ramkumar, Dr. Viyathukattuva and S. Divyapriya, "Isolated Current-Fed Ac to Dc with Sepic Converter for Electric Vehicle Applications in International Journal of Psychosocial Rehabilitation, 23(4) pp: 616-626 (Scopus Indexed)
18. S. Srisanthosh Kumar, Dr.G. Emayavaramban*, Dr.A.Amudha, Dr.M. Siva Ramkumar, Dr. Viyathukattuva and S. Divyapriya, "Single Power-Conversion Ac–Dc Converter with High Power Factor Based On ZVZCS for Dc Drive Applications" in International Journal of Psychosocial Rehabilitation, 23(4) pp: 627-638 (Scopus Indexed)
19. G. Emayavaramban, A. Amudha*, Rajendran T., M. Sivaramkumar, K. Balachandar, T. Ramesh. "Identifying User Suitability in sEMG Based Hand Prosthesis Using Neural Networks" in Current Signal Transduction Therapy , (WoS & Scopus Indexed) DOI : 10.2174/1574362413666180604100542

20. Viyathukattuva M.A.M.M, Amudha A, M.Siva Ramkumar, G.Emayavaramban “Relation between Solar PV Power Generation, Inverter Rating and THD” International Journal of Engineering and Advanced Technology 9(1) pp 4570-4575(Scopus Indexed)
21. P.Nagaveni, M.Siva RamKumar, M.Nivetha, A.Amudha, G.Emayavaramban , “Electrical Energy Audit –An Experience in a Small Scale Textile Mill” International Journal of Innovative Technology and Exploring Engineering, 8(10) pp 4102-4107 (Scopus Indexed)
22. N. Eswaramoorthy, Dr.M. Siva Ramkumar, G. Emayavaramban, A. Amudha, S. Divyapriya, M. Sivaram Krishnan, D. Kavitha “A Control Strategy for A Variable Speed Wind Turbine with A Permanent Magnet Synchronous Generator Using Matrix Converter with SVPWM” International Journal of Recent Technology and Engineering, 8(1S4) pp 178-186 (Scopus Indexed)
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25. N. Saravanakumar, A. Amudha, G. Emayavaramban, Dr.M. Siva Ramkumar, S. Divyapriya, “Stability Analysis of Grid Integration of Photovoltaic Systems Using Partial Power Converters” International Journal of Recent Technology and Engineering, 8(1S5) pp 203-210 (Scopus Indexed)
26. S.Divyapriya, K.T.Chandrasekaran, A.Amudha, Dr.M.Siva Ramkumar, G.Emayavaramban, “Low Cost Residential Micro Grid System based Home to Grid Backup Power Management” International Journal of Recent Technology and Engineering, 8(1S5) pp 303-307 (Scopus Indexed)
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- Super Capacitor Hybrid Energy Generation & Storage System” International Journal of Recent Technology and Engineering, 8(1S5) pp 658-666 (Scopus Indexed)
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45. Dr. K. Balachander, Dr. A. Amudha, "Power Quality Analysis of a RES –MLI with Current Control Loop" IE(I) 35th National Convention of Electrical Engineers & National Conference on "Storing Energy for a Sustainable Future – Future Energy in any Isolated World, Vol.& Page No. 15 to 20,2019
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