

Dr. M. SIVA RAMKUMAR

LIST OF PUBLICATIONS

INTERNATIONAL JOURNAL PUBLICATIONS:

1. **Dr. M. Siva Ramkumar** , S.Vijaya , Vidyalakshmi R ,” Embedded System in Medical – A Review” in Test Engineering and Management, 83 March April 2020 pp: 10043-10048 (Scopus Indexed)
2. P.Nagaveni , **Dr. M. Siva Ramkumar**, D. Navin Sam, “Electrical Power Quality Analysis - A Case Study in Yarn & Thread Industry” in Test Engineering and Management, 83 March April 2020 pp: 10055-10063 (Scopus Indexed)
3. 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 (Scopus Indexed)
4. 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)
5. Thiyagarajan .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)
6. 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)
7. 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)
8. 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)

9. S. Nandhini, D. Kavitha, S. Kalaiarasi, A. Amudha, **M. Siva Ramkumar**, “Intelligent Power Tracking Algorithm Using Anfis and Zeta Converter” Mathematical and Computational Forestry & Natural-Resource Sciences (MCFNS); Vol 11, No 1: pp 38-45 MCFNS March 30, 2019, ISSN 1946-7664 (Scopus,E-SCI ,WEB OF SCIENCE Indexed)
10. S. Senthil Kumar, D. Kavitha, A. Amudha, G. Emayavaramban, **M. Siva Ramkumar** “Analysis of New Novelty Multilevel Inverter Configuration with Boost Converters for A Photovoltaic System with Mppt” Mathematical and Computational Forestry & Natural-Resource Sciences (MCFNS); Vol 11, No 1: pp 46-57 MCFNS March 30, 2019, ISSN 1946-7664 (Scopus,E-SCI ,WEB OF SCIENCE Indexed)
11. D. Kavitha, M. Siranjeevi, K. Balachander, **M.Siva Ramkumar**, M.Sivaram Krishnan “Non Isolated Interleaved Cuk Converter for High Voltage Gain Applications” Mathematical and Computational Forestry & Natural-Resource Sciences (MCFNS); Vol 11, No 1: pp 58-62 MCFNS March 30, 2019, ISSN 1946-7664 (Scopus,E-SCI ,WEB OF SCIENCE Indexed)
12. R. Shobana, K. Balachander, A. Amudha, G. Emayavaramban, **M. Siva Ramkumar**,” Pv and Fuel Cell Based Dynamic Voltage Restorer for LVRT Improvement Of DFIGs” Mathematical and Computational Forestry & Natural-Resource Sciences (MCFNS); Vol 11, No 1: pp 63-71 MCFNS March 30, 2019, ISSN 1946-7664 (Scopus,E-SCI ,WEB OF SCIENCE Indexed)
13. P. Srinivasan, K. Balachander, A. Amudha, G. Emayavaramban, **M. Siva Ramkumar**,” A Fuzzy Logic Approach to Microgrid Demand Response in Both Offline and Online Mode” Mathematical and Computational Forestry & Natural-Resource Sciences (MCFNS); Vol 11, No 1: pp 72-82 MCFNS March 30, 2019, ISSN 1946-7664 (Scopus,E-SCI ,WEB OF SCIENCE Indexed)
14. R. Veluchamy, K. Balachander, A. Amudha, **M. Siva Ramkumar**, G. Emayavaramban ,” Analysis and Energy Efficiency of Small-Scale wind Energy Conversion System using Adaptive Network Based Fuzzy Interference System (Anfis) Of Maximum Power Point Tracking Method” ” Mathematical and Computational Forestry & Natural-Resource Sciences (MCFNS); Vol 11, No 1: pp 83-92 MCFNS March 30, 2019, ISSN 1946-7664 (Scopus,E-SCI ,WEB OF SCIENCE Indexed)
15. K. Suresh Kumar, K. Balachander, A. Amudha, **M. Siva Ramkumar**, D. Kavitha,” Multi Converter Unified Power Quality Conditioning (MC-UPQC) for Various Loads With ANN Approach To Two Source Concept” Mathematical and Computational Forestry & Natural-Resource Sciences (MCFNS); Vol 11, No 1: pp 93-103 MCFNS March 30, 2019, ISSN 1946-7664 (Scopus,E-SCI ,WEB OF SCIENCE Indexed)

16. V. Jesudoss, K. Balachander, A. Amudha, **M. Sivaramkumar**, S. Divyapriya, "Cascade Cockcroft-Walton Voltage Multiplier Applied to Transformerless High Step-Up Dc-Dc Converter" Mathematical and Computational Forestry & Natural-Resource Sciences (MCFNS); Vol 11, No 1: pp 104-109 MCFNS March 30, 2019, ISSN 1946-7664 (Scopus,E-SCI ,WEB OF SCIENCE Indexed)
17. S. Vivekanandan, **M.Siva Ramkumar**, A. Amudha, M.Sivaram Krishan, D. Kavitha," Design and Implementation of Series Zsource Matrix Converters" Mathematical and Computational Forestry & Natural-Resource Sciences (MCFNS); Vol 11, No 1: pp 110-115 MCFNS March 30, 2019, ISSN 1946-7664 (Scopus,E-SCI ,WEB OF SCIENCE Indexed)
18. Thirugnanaselvi, **M.Siva Ramkumar**, A. Amudha, M.Sivaram Krishan, K. Balachander," Dtc-Svm Management of Induction Machine Fed By 3 Level Npc Matrix Converter" Mathematical and Computational Forestry & Natural-Resource Sciences (MCFNS); Vol 11, No 1: pp 116-120 MCFNS March 30, 2019, ISSN 1946-7664 (Scopus,E-SCI ,WEB OF SCIENCE Indexed)
19. C. Karunamoorthy, A. Amudha, K. Balachander, **M. Siva Ramkumar**," A Photovoltaic Generation System Based on Hybrid Multilevel Inverter in Order to Reduce Switching for Dc Micro Grids" Mathematical and Computational Forestry & Natural-Resource Sciences (MCFNS); Vol 11, No 1: pp 121-131 MCFNS March 30, 2019, ISSN 1946-7664 (Scopus,E-SCI ,WEB OF SCIENCE Indexed)
20. C. Chinnusamy, G.Emayavaramban, A. Amudha, K. Balachander, **M. Siva Ramkumar**, "Transient Stability Improvement in Power System With Smes and Battery Energy Storage System" Mathematical and Computational Forestry & Natural-Resource Sciences (MCFNS); Vol 11, No 1: pp 132-143 MCFNS March 30, 2019, ISSN 1946-7664 (Scopus,E-SCI ,WEB OF SCIENCE Indexed)
21. M. Jayaprakash, D. Kavitha, **M. Siva Ramkumar**, K. Balachander, M. Sivaram Krishnan." Achieving Efficient and Secure Data Acquisition Systems for Cloud-Supported Internet Of Things In Grid Connected Solar, Wind And Battery Systems" Mathematical and Computational Forestry & Natural-Resource Sciences (MCFNS); Vol 11, No 1: pp 144-155 MCFNS March 30, 2019, ISSN 1946-7664 (Scopus,E-SCI ,WEB OF SCIENCE Indexed)
22. M. Mohammed Shaheeth, D. Kavitha, A. Amudha, **M. Siva Ramkumar**, K. Balachander, G. Emayavaramban . "Grid Connected Wind Energy Conversion System with Unified Power Quality Conditioner (Upqc) By Fuzzy Logic" Mathematical and Computational Forestry & Natural-Resource Sciences (MCFNS); Vol 11, No 1: pp 156-168 MCFNS March 30, 2019, ISSN 1946-7664 (Scopus,E-SCI ,WEB OF SCIENCE Indexed)

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24. K. Kaleeswari, K. Balachander, A. Amudha, **M. Siva Ramkumar**, D. Kavitha , “Analysis and Parallel Operation of Novel Bidirectional Dc-Dc Converter for Dc Microgrid” Mathematical and Computational Forestry & Natural-Resource Sciences (MCFNS); Vol 11, No 1: pp 190-200 MCFNS March 30, 2019, ISSN 1946-7664 (Scopus,E-SCI ,WEB OF SCIENCE Indexed)
25. T. Kalimuthu, K. Balachander, A. Amudha, G. Emayavaramban, **M. Siva Ramkumar**,” An Efficient High Step Up Converter for Automobile Applications using Fuzzy Logic Control Technique” Mathematical and Computational Forestry & Natural-Resource Sciences (MCFNS); Vol 11, No 1: pp 201-208 MCFNS March 30, 2019, ISSN 1946-7664 (Scopus,E-SCI ,WEB OF SCIENCE Indexed)
26. N.A. Sankar, K. Balachander, A. Amudha, S. Divyapriya, **M. Siva Ramkumar**,” Compensation of Voltage Variations In Distribution System During Fault Condition by using Separate Energy Storage Device Based Dvr” Mathematical and Computational Forestry & Natural-Resource Sciences (MCFNS); Vol 11, No 1: pp 209-222 MCFNS March 30, 2019, ISSN 1946-7664 (Scopus,E-SCI ,WEB OF SCIENCE Indexed)
27. D. Sivakumar, A. Amudha, K. Balachander, **M. Siva Ramkumar**, “Implementation of Harmonic Mitigation of Grid Connected Modified Mli for Variable-Speed Wind Energy Conversion System” Mathematical and Computational Forestry & Natural-Resource Sciences (MCFNS); Vol 11, No 1: pp 223-230 MCFNS March 30, 2019, ISSN 1946-7664 (Scopus,E-SCI ,WEB OF SCIENCE Indexed)
28. D. Babu, A. Amudha, K. Balachander, G. Emayavaramban, **M. Siva Ramkumar**, “Power Grid Connected Semi-Z Source Inverter Supplied by Photovoltaic and Wind System with a New Modulation Strategy” Mathematical and Computational Forestry & Natural-Resource Sciences (MCFNS); Vol 11, No 1: pp 231-241 MCFNS March 30, 2019, ISSN 1946-7664 (Scopus,E-SCI ,WEB OF SCIENCE Indexed)
29. Kalimuthu, **M. Siva Ramkumar**, A. Amudha, K. Balachander, **M. Sivaram Krishnan**, ”A High Gain Input-Parallel Outputseries Dc/Dc Converter with Dualcoupled-Inductors” Mathematical and Computational Forestry & Natural-Resource Sciences (MCFNS); Vol 11, No 1: pp 242-246 MCFNS March 30, 2019, ISSN 1946-7664 (Scopus,E-SCI ,WEB OF SCIENCE Indexed)

- 30.** S. Tamil Selvan, **M. Siva Ramkumar**, A. Amudha, K. Balachander, D.Kavitha, “A Dc - Dc Converter in Hybrid Symmetrical Voltage Multiplier Concept” Mathematical and Computational Forestry & Natural-Resource Sciences (MCFNS); Vol 11, No 1: pp 247-251 MCFNS March 30, 2019, ISSN 1946-7664 (Scopus,E-SCI ,WEB OF SCIENCE Indexed)
- 31.** P. Chitra, **M. Siva Ramkumar**, A. Amudha, K. Balachander, G. Emayavaramban , “High Step-Up Dc-Dc Converter Based on Three-Winding Coupled Inductor” Mathematical and Computational Forestry & Natural-Resource Sciences (MCFNS); Vol 11, No 1: pp 252-256 MCFNS March 30, 2019, ISSN 1946-7664 (Scopus,E-SCI ,WEB OF SCIENCE Indexed)