

SSN COLLEGE OF ENGINEERING

DEPARTMENT OF EEE

LIST OF JOURNAL PUBLICATIONS – 2014-2015

JUNE-2014

1. V. Renugadevi, W. Margaret Amutha, V. Rajini, "A Novel Microgrid Based DC-DC Converter for Rural Telephony", International Journal of Research in Electrical & Electronics Engineering (ISSN 2250-2459), Vol.2, No.2, pp. 25-32, April-June 2014. Google scholar indexed
2. B. Hemamalini, R. Arumugam, A. Kavitha, "Modeling of Flux Switching Motor with Selection of Pole Arcs for Maximum Torque Production", International Review on Modelling and Simulations (ISSN: 1974-9821), Vol. 7, No. 3, pp. June 2014.
3. V. Renugadevi, W. Margaret Amutha and V. Rajini, "A Novel Improved Fused Converter Based Hybrid System with MPPT Control for Rural Telephony", International Journal of Emerging Technology and Advanced Engineering (ISSN 2348-0025), Vol. 4, No. 5, pp. May 2014. SJR impact factor 0.755, google scholar indexed.
4. R. Seyezhai and P. Chitra, "Simulation of PV with MPPT algorithm for LLC resonant DC-DC converter employing burst mode control", Global Journal of Engineering Science and Research Management (ISSN: 2349-4506), Vol. 1, No. 2, pp. 29-43, June 2014. Citations:2.,
5. T. Porselvi and Ranganath Muthu, "The PMSG based Wind Energy Conversion System with CUK Converter and CHB MLI with a single DC Input", International Energy Journal (ISSN: 1513-718X), Vol. 14, No. 1, March 2014.
6. R. Subashraj, S. Prabhu, V. Chandrasekar, N. C. Lenin, A. Manikandan and R. Arumugam, "Design and Finite Element Analysis of Switched Reluctance Motor with Exterior Rotor", International Journal of Engineering Research (ISSN: 2347-5013), Vol. 3, No. 6, pp. 390-395, June 2014.
7. S. A. Nirmala, B. Veena Abirami and Ranganath Muthu, "Model Predictive Control of Drug Infusion System for Mean Arterial Pressure Regulation of Critical Care Patient", Research Journal of Applied Sciences, Engineering and Technology (ISSN: 2040-7467), Vol. 7, No. 21, pp. 4601-4605, June 2014.
8. M. Venmathi and R. Ramaprabha, "Analysis of Photovoltaic Fed Partially Isolated Three-Port Full Bridge Converter with the Centralised Controller", International Journal of Engineering and Technology (ISSN: 0975-4024), Vol. 6, No. 3, pp. 1495-1506, Jun – July 2014. Scopus Index 0.13
9. R. Deepalaxmi and V. Rajini, "Gamma and electron beam irradiation effects on SiR-EPDM blends", Journal of radiation Research and Applied Sciences (ISSN:1687 8507), Vol. 7, No. 3, pp. 363-370, July 2014. doi: <http://dx.doi.org/10.1016/j.jrras.2014.05.005>.
10. R. Seyezhai, and D. Umarani, "Design and Simulation of Cascaded H- Bridge Quasi Z-source Multilevel Inverter for Photovoltaic Applications", International Journal of Innovative Research in Electrical, Electronics, Instrumentation and Control Engineering (ISSN : 2321 – 2004), Vol.2, No. 7, pp.1744-1749, July 2014.
11. W. Margaret Amutha, Renugadevi and V. Rajini, "A Novel fused converter for hybrid power systems", Advanced Materials Research (ISSN. 1662-8958), Vol. 984-985, pp. 744-749, 2014. Google scholar indexed.
12. V. Nithin, P. Sivapriya, K. Vigneshwar and R. Seyezhai, "Calculation of Performance Parameters and Reliability Aspects of Phase Shifted Semi Bridgeless Interleaved Boost Converter", International Journal of Scientific & Engineering Research (ISSN : 2229-5518), Vol. 5, No. 6, pp.16-21, June-2014.
13. W. Abhitha Memala and V. Rajini, "Virtual instrumentation based analysis of induction Motor", Advanced Materials Research (ISSN: 1662-8958), Vol. 984-985, pp. 970-976, 2014. Google scholar indexed.
14. S. Malathy and R. Ramaprabha, "Suitability of Asymmetrical Multilevel Inverters for Partial Shaded Photovoltaic Systems", Applied Mechanics and Materials (ISSN: 1660-9336), Vol. 622, pp. 173-179, 2014. Scopus Index 0.15. (doi:: 10.4028/www.scientific.net/AMM.622.173)

15. R. Ramaprabha, S. Ajay, G. Deepika and S. Maneesha, "Implementation of an Active Battery Balancer using Fly-Back Transformer", *ARPN Journal of Engineering and Applied Sciences* (ISSN: 1819-6608), Vol. 9, No. 8, pp. 1344-1347, August 2014. Scopus Index 0.21.
16. R. Seyezhai and A. Inba Rexy, "Simulation Analysis and Implementation of Two - Phase Interleaved Boost Converter with Ripple Steering for Power Factor Correction", *Advanced Materials Research* (ISSN: 1662-8958), Vol. 984-985, pp.1046-1056, July 2014. Scopus index: 0.14.
17. R. Seyezhai, V. J. Sudarshan, M. Sunil Kumar and S. Venkat Brama Vignash, "Design And Analysis of Sub-Harmonic PWM Techniques for a Nine Level Modular Multilevel Inverter", *Journal of Engineering And Technology Research* (ISSN :2348-0424),Vol. 2, No.3, pp.58-65,2014.
18. M. Tamilarasi and R. Seyezhai, "State Space Averaged Modeling and Power Loss Computations for Fuel Cell Powered Four-Phase Interleaved Boost Converter", *Advanced Materials Research* (ISSN: 1662-8958), Vol. 984-985, pp. 1037-1045, 2014. Scopus index: 0.14.
19. R. Sreemallika, and R. Seyezhai, "Investigation of Closed Loop current control strategies for Bridgeless Interleaved SEPIC Converter", *Electrical and Electronics Engineering: An International Journal* (ISSN : 2200-5846), Vol. 3, No. 3, pp.63-70, August 2014.
20. P. Ganesan and V. Rajini, "Color space based edge detection for satellite image segmentation", *International Journal of Science Research and Technology* (ISSN : 2321-9262), Vol. 2, No.3, pp. 18-22, 2014. SJR Impact factor 0.288,Google scholar indexed, scopus indexed.
21. P. Ganesan and V. Rajini, "Application of Modified K-Means Clustering Algorithm for Satellite Image Segmentation based on Color Information", *International Journal Of Advanced Research In Computer Science* (ISSN: 0976-5697), Vol. 4, No. 5, pp. 41-44, 2014. SJR impact factor 3.74,scopus, google scholar indexed.
22. P. Ganesan and V. Rajini, "Comparative Study of Denoising Methods for Satellite Image Restoration Using Matlab", *International Journal of Advanced Research In Computer Science* (ISSN 0976-5697), Vol. 4, No. 5, pp.v75-77, 2014. SJR impact factor 3.74, scopus, google scholar indexed.
23. P. Ganesan and V. Rajini, "CIELAB color space based high resolution satellite image segmentation using modified fuzzy C means clustering", *MAGNT research report* (ISSN. 1444-8939), Vol. 2, No. 6, pp. 199-210, 2014. (doi: dx.doi.org/14.9831/1444-8939.2014/2-6/MAGNT.30, SJR impact factor 0.68, Thomson reuters imp factor 0.68 Google scholar (cited by 28), web of science.
24. R. Seyezhai, and D. Umarani, "Investigation of Quasi Z-Source Cascaded Multilevel Inverter for PV System with Maximum Power Point Tracking", *International Journal of Applied Mechanics and Materials* (ISSN: 1660-9336), Vol. 622, pp. 105-110, Aug. 2014. Scopus index: 0.13.
25. Mrunal Deshpande, "Effect of magnetic water on growth of legumes", *European Journal of Applied Engineering and Scientific Research* (ISSN: 2278 – 0041), Vol. 3, No. 3, pp. 9-12, Sept. 2014.
26. V. Rajini and Santhisaravana, "Analysis of efficient methods of water production using renewable energy based reverse osmosis desalination process and its applications in India", *Hydrology -current research* (ISSN: 157-7587), Vol. 5, No. 4, pp. 104, Sep 2014.
27. P. Chitra and R. Seyezhai, "Simulation of an Interleaved LLC Resonant Converter for Renewable Energy Systems", *International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering* (ISSN: 2320-3765), Vol. 3, No. 9, pp. 11885-11891, September 2014.
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29. R. Seyezhai, "Design, Simulation and Hardware Implementation of a Multi Device Interleaved Boost Converter for Fuel Cell Applications", *International Journal of Power Electronics and Drive System* (ISSN: 2088-8694), Vol. 4, No. 3, pp. 314-320, September 2014. Scopus index: 0.13.
30. K. Murugesan, Ranganath Muthu, S. Vijayenthiran and J. B. Mervin, "Prototype hardware realization of the DSTATCOM for reactive power Compensation", *International Journal of Electrical Power and Energy systems* (ISSN: 0142-0615), Vol. 65, pp. 169 – 178, October 2014.
31. Rahiman Zahira, A. Peer Fathima and Ranganath Muthu, "Modelling, Simulation and Implementation of the Three-Phase Fuzzy Based Shunt Active Filter for Limiting the Total Harmonic Distortion", *Applied Mechanics and Materials* (ISSN: 1660-9336), Vol. 622, pp. 121-126, October 2014.
32. R. Seyezhai, Abhinaya Venkatesan, M. Aishwarya and K. Gayathri, "A Comparative Study of the Conventional and Bridgeless AC-DC Power Converter for Active Power Factor Correction for Hybrid

- Electric Vehicles”, International Journal of Electrical Engineering (ISSN : 2321-600X), Vol. 2, No. 10, pp. 9-19, October 2014.
33. R. Seyezhai and P. Vaishnavi, “Analysis of PWM Strategies for a Single-Phase Multilevel Inverter with Reduced Number of Switches for PV Application”, International Journal of Innovative Research in Computer and Communication Engineering (ISSN : 2394-3661), Vol. 2, No. 11, pp. 6421-6427, November 2015.
 34. R. Seyezhai, K. Arthi, J. Bhavani, A. Archana and M. Deepa, “Design and Control of Switched-Inductor Quasi-Z-Source Inverter for Photovoltaic Applications”, International Journal of Engineering and Science (ISSN :2319-183X), Vol. 3, No. 10, pp.15-28, October 2014.
 35. D. Umarani and R. Seyezhai, “FPGA Implementation of PV based Quasi Z-Source Cascaded Multilevel Inverter”, International Journal of Electrical Engineering (ISSN: 0974-2158), Vol. 7, No. 3, pp. 399-411, Nov. 2014. Scopus index: 0.13.
 36. S. Iyappan, M. Vijayalakshmi and R. Ramaprabha, “Analysis of Controllers for Speed Control in Brushless DC Motor Using MATLAB”, International Journal of Emerging Technology and Advanced Engineering (ISSN: 2250-2459), Vol. 4, No. 11, pp. 467-473, Nov 2014.
 37. G. Ramya and R. Ramaprabha, “Performance Enhancement of Photovoltaic System Using Soft Switched Multi-phase Boost Converter”, Journal of Electrical Systems (ISSN: 1112-5209), Vol. 10, No. 4, pp. 381-391, Dec 2014. Scopus Index 0.17. Citations: 01.
 38. W. Margaret Amutha and V. Rajini, “Techno-economic evaluation of various hybrid power systems for rural telecom”, Renewable and Sustainable Energy Reviews, Vol. 43, pp. 553–561, 2015.
 39. Alagu Dheeraj and V. Rajini, “Selection of Isolated DC-DC Converter for Low Power Applications with Current Double Rectifier”, Australian Journal of Basic and Applied Sciences, (ISSN 1991-8178), Vol. 8, No. 18, pp. 184-194, December 2014. SJR impact factor 0.13, Google scholar, Scopus indexed.
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 47. R. Seyezhai and V. Aarthi, “Comparison of Interleaved Boost Converter Topologies with Voltage Multiplier for Battery Charging of PHEV”, International Journal of Innovative Research in Computer and Communication Engineering (ISSN: 2320-9801), Vol. 2, No. 11, pp.6953-6959, November 2014.
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51. T. S. Saravanan, R. Seyezhai and V. Venkatesh, "Modeling and control of split capacitor type elementary additional series positive output super lift Luo converter", *World Journal of Modeling and Simulation* (ISSN: 1746-7233), Vol. 10, No. 4, pp. 280-292, 2014. Scopus index: 0.13.
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53. R. Seyezhai, K. Abinaya, V. Akshaya and U. Induja, " Analysis of PWM Strategies for a Three- phase Quasi z-source Inverter for PV Applications", *Ind. J. Sci. Res. and Tech.*, (ISSN:2321-9262), Vol. 2, No. 5, pp. 82-89, 2014.
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58. R. Seyezhai and R. Niraimathi, "Analysis of PWM Switching Techniques for Grid Connected Multilevel DC Link Inverter", *International Journal of Applied Engineering Research* (ISSN: 0973-4562), Vol. 9, No.24, pp. 8013-8019, 2014. Scopus index: 0.13.
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64. A. Bharathi sankar and R.Seyezhai Development of Active Neutral Point Clamped Multilevel Inverter Fed BLDC Drive Employing FPGA Indian Journal of Science and Technology Vol 8(4), 392-399, February 2015, pp.392-399 ISSN (Print) : 0974-6846,ISSN (Online) : 0974-5645 (Indexed in Thomson Reuters).
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66. K. N. Dineshababu (PhD Student), R. Ramaprabha (Asso. Prof.), V. Rajini (Prof.), Kamal Bansal & Bala Vinayagam, "Comprehensive Analysis of Auto Synchronization Techniques in Solar Photovoltaic Grid Connected Systems", Journal of Modern Applied Science (ISSN 1913-1844; E-ISSN 1913-1852), Vol. 9, No. 2, pp. 278-285, Feb 2015. SJR Impact factor 0.22. doi:10.5539/mas.v9n2p278. URL: <http://dx.doi.org/10.5539/mas.v9n2p278>.
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68. Dr.R.Seyezhai, ASSP/EEE and V.Chamundeeswari(Research scholar), , published a paper entitled, "Digital control for Negative Output Superlift Luo Converter using ARM Processor", International Journal of Applied Engineering Research, ISSN 0973-4562 Vol. 9 No.24 (2014) pp. 8032-8035. (Anna University-Annx.-II).
69. Anoop K J, Rajini V Prof/EEE published a paper titled, "Investigations on voltage multiplier cells for high step up conversion", ARPJ Journal of Engineering and Applied Sciences, VOL. 10, NO. 1, JANUARY 2015 ISSN 1819-6608.SJR.0.21
70. Dr.R.Seyezhai, ASSP/EEE published a paper titled, " Simulation of Fuzzy Logic Controller For PEM Fuel Cell Based Hybrid Cascaded Multilevel Inverter", Electrical and Electronics Engineering Journal, Vol 4, No 1, February 2015. DOI : 10.14810/eiej.2015.4106.
71. Pramod Kumar Gouda, Dr. Ashwin Kumar Sahoo Prof /EEE and Dr. P.K. Hota published a paper titled "Optimal Power Flow Including Unified Power Flow Controller in a Deregulated Environment", International Journal of Applied Engineering Research, ISSN 0973-4562 Volume 10, Number 1 (2015) pp. 505-521 (Anna University Annexure – II)
72. Dr. Ashwin Kumar Sahoo Prof/EEE, Aswin Gautham D , published a paper titled "An Adaptive Fuzzy Logic Controller for Load Frequency Control of a Distributed Grid Systems", International Journal of Applied Engineering Research, ISSN 0973-4562 Volume 10, Number 1 (2015) pp. 1591-1604 (Anna University Annexure – II)
73. S. Iyappan (PG Student) and R. Ramaprabha (Assoc. Prof.), "Performance Evaluation of Canonical Switching Cell Converter fed BLDC Motor Drive for Power Quality Improvement", International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering (IJAREEIE), (ISSN: 2320 – 3765) ISSN (Online): 2278 – 8875, Vol. 4, No. 2, pp. 559-567, Feb 2015 (doi: 10.15662/ijareeie.2015.0402008).

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75. Dr Mrunal Deshpande (ASSP/EEE) published a paper titled "Novel Displacement transducers for magnetic levitation system" Australian Journal of Basic and Applied Sciences, March 2015, Pages: 460-468, ISSN:1991-8178. Anna Univ Annexure II.
76. M. Shanthi (Research Scholar) and Dr.R.Seyezhai ASSP/EEE, "A Simple Design and Simulation of Full Bridge LLC Resonant DC-DC Converter for PV Applications", Middle-East Journal of Scientific Research 23 (2): 285-292, 2015, ISSN 1990-9233,(AU , Annx.-II), Impact Factor : 0.16). DOI: 10.5829/idosi.mejsr.2015.23.02.22111.

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77. Thiyagarajan V AP/EEE Published a paper title "Optimization of Grid – Connected Solar Array Using P & O Based MPPT Algorithm with Current Reference Converter" in "International Journal of Applied Engineering Research", ISSN 0973-4562, Vol.10, No.4 (2015) PP-3782-3786.
78. Dr. R. Ramaprabha (Assoc. Prof.), S. H. Jubair, K. Suhas and A. Lokesh (2014 passed out UG students) "Design and Implementation of Efficient Curve Tracer for Photovoltaic System under Partial Shaded Conditions", International Journal on Electrical Engineering and Informatics, Vol. 7, No. 1, pp. 140-149, March 2015 (DOI: 10.15676/ijeii.2015.7.1.11) SJR Impact factor 0.17. This work was supported with SSN-Student internal funding.
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80. V. Ramya (Part-time Research scholar) and R. Ramaprabha (Asso. Prof.), "Design and Analysis of Flywheel Energy Storage System for Power Electronic Interface" Journal of Chemical and Pharmaceutical Sciences (ISSN: 0974-2115), Special Issue 8, pp. 111-114, 2015. SJR Impact factor 0.11.
81. Dr. R. Ramaprabha (Assoc. Prof.), S. Harini, A. Chandra Ganeshan and K. Nanditha (III year UG Students), "Design and Modelling of Pulse Generation for DC-Link Inverter Drive for Brushless DC Motor", International Journal of Applied Engineering Research (IJAER), (Print ISSN 0973-4562, Online ISSN 1087-1090), Special Issue Vol. 10, No. 9, pp. 8796-8799 , April 2015. SJR Impact factor 0.13.
82. M. Pandikumar AP/EEE, Dr. R. Ramaprabha ASSP/EEE and Ranganath Muthu Prof/EEE,published a paper titled "Performance Analysis of the Solar Photovoltaic Fed Water Pumping Systems" Australian Journal of Basic and Applied Sciences (ISSN 1991-8178), Vol. 9, No. 7 , pp. 532-540, April 2015. SJR Impact factor 0.13.
83. Abitha Memala.W, V.Rajini Prof/EEE, published a paper titled" Wavelet coefficients and statistical parameters in fault diagnosis",International Journal of Applied Engineering Research,Volume 10, Number 3 (2015) pp. 7837-7842, ISSN 0973-4562 (Annexure II). <http://www.ripublication.com>
84. Saravanan P AP/EEE, Senthil Kumaran M ASSP/EEE, Veena S, Srilakshmi P S, published a paper titled "ESTIMATION OF POSITION AND SPEED OF SRM USING MATLAB-SYSTEM GENERATOR AND XILINX NEXYS-2 BOARD", International Journal of Applied Engineering Research, Vol.10, No.5, pp: 9038-9042, 2015
85. Saravanan P AP/EEE, Anbuselvi M, Prashaanth R, Sindhu S L, published a paper titled "Design And Development Of Computation Intelligence For ACC Based On RTOS Using PIC Controller", International Journal of Applied Engineering Research, Vol.10, No.5, pp: 8849-8853, 2015.
86. A. Arrul Dhana Mathy (PG Student) and Dr. R. Ramaprabha (Asso. Prof.), "Detailed Analysis of Modulation Techniques to Reduce Leakage Current in Transformerless Five-level inverters for

Photovoltaic Systems”, International Journal of Applied Engineering Research (IJAER), (Print ISSN 0973-4562, Online ISSN 1087-1090), Vol. 10, No. 10, pp. 9523-9528, April 2015. SJR Impact factor 0.13.

87. S. Rithika (PG Student) and R. Ramaprabha (Asso. Prof.), “Design and Simulation of Photovoltaic based Microgrid under changing Environment conditions”, International Journal of Applied Engineering Research (IJAER), (Print ISSN 0973-4562, Online ISSN 1087-1090), Vol. 10, No. 10, pp. 9764-9769, April 2015. SJR Impact factor 0.13.
88. Dr. R. Ramaprabha (Assoc. Prof.), R. Priya, P. Sadhana and J. Shiny Auxilia (Final Year UG Students), “PSpice Simulation Design and Implementation of Single Phase Step-down Cycloconverter”, International Journal of Applied Engineering Research (IJAER), (Print ISSN 0973-4562, Online ISSN 1087-1090), Vol. 10, No. 10, pp. 9753-9757, 2015. SJR Impact factor 0.13.
89. Dr.R.Seyezhai, ASSP/EEE and Chitra Vallavan (Research Scholar) published a paper titled, “Design and Simulation of Soft Switched Interleaved Boost Converter in Continuous Conduction Mode for RES”, International Journal of Scientific research, Volume 6, Issue 4, April-2015, ISSN 2229-5518.
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91. V.Rajini Prof/EEE, Brindha T,"A Novel Scheme for Harvesting Energy from Partially Shaded SPV System", International Journal of Scientific & Engineering Research, Volume 6, Issue 4, April-2015 364, PP 364-368, ISSN 2229-5518.
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