

## SSN COLLEGE OF ENGINEERING

### DEPARTMENT OF EEE

#### LIST OF JOURNAL PUBLICATIONS – 2015-2016

##### JUNE-2015

1. Dr. U.Shajith Ali ASSP/EEE published a paper titled “Fuzzy Logic Control of Quasi Z-Source Multilevel Inverter for Photovoltaic Applications”, in Australian Journal of Basic and Applied Sciences, Vol.9, No.16, pp. 8-14, 2015 [ISSN 1991-8178][Listed in Anna University Annexure-II]
2. S. Malathy (AP) and Dr. R. Ramaprabha (Asso.Prof), “Performance Enhancement of Partially Shaded Solar Photovoltaic Array Using Grouping Technique”, Journal of Solar Energy Engineering: Including Wind Energy and Building Energy Conservation (ISSN 0199-6231, E-ISSN 1528-8986), Transactions of ASME, Vol. 137, No. 3, pp. 034501-1 -034501-5, June 2015. SJR Impact factor 0.71 (DOI: 10.1115/1.4029540), Thomson Reuters Impact factor : 1.329 – AU Annexure 1
3. R. Hemalatha (AP/ECE), Dr. R. Ramaprabha (Asso.Prof./EEE) and Dr. S. Radha (Prof. & Head/ECE), “Design and Implementation of PV based Energy Harvester for WSN Node with MAIC algorithm”, International Journal on Advances in Electrical and Computer Engineering, Vol. 15, No. 2, pp. 109-116, June 2015, (Print ISSN: 1582-7445, Online ISSN: 1844-7600), SJR Impact factor 0.36. (DOI: 10.4316/AECE.2015.02014), Thomson Reuters Impact factor : 0.642 - AU Annexure 1
4. Dr. R. Ramaprabha (Asso. Prof.) and SP. Chitra (Full-time Research scholar), “Comparative Analysis of maximum Power Point Tracking Controllers under Partial Shaded Condition of Photovoltaic System”, The Journal of Engineering Research (TJER) (ISSN: 1726-6009), Vol. 12, No. 1, pp. 15-31, TJER 2015. SJR Impact factor 0.11. – AU Annexure 2
5. M. Tamilarasi (Research Scholar) and R. Seyezhai, " **Fuzzy Logic Implementation of PEM Fuel Cell Based Four Phase Interleaved Boost Converter**", Int. J. Chem. Sci.: 13(1), 2015, 345-361.
6. S. Malathy (AP) and Dr. R. Ramaprabha (Asso. Prof.), “Improvement in Energy Harvest of Solar Photovoltaic Systems under Partial Shaded Conditions”, Applied Mechanics and Materials (ISSN: 1660-9336), Vol. 787, pp. 859-863, 2015. SJR Impact factor 0.13. (DOI: 10.4028/www.scientific.net/AMM.787.859)- – AU Annexure 2

7. M. Pandikumar (AP), Dr. R. Ramaprabha (Asso. Prof.) and Ranganath Muthu (Prof.), "Analysis of Controllers for Photovoltaic fed Brushless DC Motor based Water Pumping System", Applied Mechanics and Materials (ISSN: 1660-9336), Vol. 787, pp. 838-842, 2015. SJR Impact factor 0.13. (DOI:10.4028/www.scientific.net/AMM.787.838) – AU Annexure 2

## **JULY-2015**

8. Dr.U.Shajith Ali ASSP/EEE published a paper titled "Z-Source DC-DC Converter with Improved Perturbation and Observation Algorithm for Photovoltaic Systems", in International Journal of Applied Engineering Research, 2015, Vol.10, No.2, pp. 1341-1345. [ISSN 0973-4562][Listed in Anna University Annexure-II]
9. B.Ramasudha and Dr.U.Shajith Ali ASSP/EEE published a paper titled "Bidirectional Quasi Z-Source Converter Based Flywheel Energy Storage System", 2015, International Journal of Applied Engineering Research, 2015, Vol.10, No.2, pp. 1351-1355. [ISSN 0973-4562][ Listed in Anna University Annexure-II]
10. T.P. Rajalakshmi, Dr.U.Shajith Ali ASSP/EEE published a paper titled "Isolated Quasi Z-Source DC-DC Converter for Superconducting Magnetic Energy Storage System", 2015, International Journal of Applied Engineering Research, 2015, Vol.10, No.2, pp. 1456-1459. [ISSN 0973-4562][ Listed in Anna University Annexure-II]
11. Tamizhselvan Annamalai,V.Rajini," A Novel Control Scheme for Power Factor Improvement in Modified Bridgeless Boost Converter", Applied Mechanics and Materials Vol. 787 (2015) pp 833-837. (ID: 111.93.231.194-24/06/15,11:02:17)
12. V. Rajini," Investigations on Hysteresis-Based Current Control Techniques for Grid Connected Photovoltaic Systems", The Journal of Engineering Research Vol. 12, No. 1 (2015) 32-43.
13. T.Nivedhitha, S.Sahithya, G.Vaishnavi (IV Year EEE,B) and R.Seyezhai, ASSP/EEE, published a paper titled," Simulation of High Step-up DC-DC Converter for PV Applications" International Journal of Science and Innovative Engineering & Technology, May 2015 Issue Volume 1, ISBN 978-81-904760-6-5
14. Dr.R.Seyezhai, ASSP/EEE published a paper titled, " Analysis of PWM Strategies for z-source Cascaded Multilevel Inverter for Photovoltaic Applications", U.P.B. Sci. Bull., Series C, Vol. 77, Iss. 2, 2015 ISSN 2286-3540. (AU, Annex.-II).
15. Dr.R.Seyezhai, ASSP/EEE, P.Dhivya and V.Chamundeewari ( Part-time Research Scholar) published a paper titled, " Design and Implementation of Perturb and Observe (P&O) MPPT Technique for Negative Output Super-Lift Luo Converter", Applied Mechanics and Materials Vol. 787 (2015) pp 888-892 Submitted: 2015-02-09, © (2015) Trans Tech Publications, Switzerland, (AU, Annex.-II).

## **AUGUST-2015**

16. Ms.S.krishnaveni, AP, Dr. V. Rajini, Professor published the paper entitled, "Implementation of an Economical and Compact Single MOSFET High Voltage Pulse Generator", in Indian Journal of Science and Technology, vol 8(17),ISSN (Print): 0974-6846,ISSN (Online): 0974-5645,August 2015.(listed in annexure II),SJR 1.3.Indexed in Thomson reuters.
17. Dr.R.Seyezhai, ASSP/EEE and S.Dharani (passed out M.E. Student) published a paper titled," Development of Simulator and MPPT Algorithm for PEM Fuel Cell", Communications on Applied Electronics (CAE),USA Volume 2 – No.7, August 2015– ISSN : 2394-4714.This work was funded by SSNCE under students project internal funding.
18. Dr.R.Seyezhai, ASSP/EEE, M.Suudharshana and , S.Srivignesh (IV Year EEE,B)," Simulation and prototype implementation of phase shift full bridge DC-DC converter", Global Journal of Advanced Engineering Technologies Volume 4, Issue 3- 2015, ISSN (Online): 2277-6370 & ISSN (Print):2394-0921.This work was funded by SSNCE under students project internal funding.

## **SEPTEMBER-2015**

19. S. Malathy (AP) and R. Ramaprabha (Assoc. Prof), "Comprehensive Analysis on the Role of Array Size and Configuration on Energy Yield of Photovoltaic Systems under Shaded Conditions", International Journal on Renewable & Sustainable Energy Reviews (ISSN 1364-0321), Vol. 49, pp. 672-679, September 2015. SJR Impact factor 3.273, (DOI: <http://dx.doi.org/10.1016/j.rser.2015.04.1659540>), Thomson Reuters Impact factor : 5.5
20. Subramoniam M , Barani S and Rajini V," A non-invasive computer aided diagnosis of osteoarthritis from digital x-ray images", Biomedical Research 2015; 26 (4): 721-729, ISSN 0970-938X( annexure 1)
21. K. N. Dinesh Babu, G. R. Manjunatha, R. Ramaprabha (Assoc. Prof./EEE), V. Rajini, M. V. Gopalan, "Smart Monitoring and Control of Tap Changer Using Intelligent Electronic Device", International Journal of Electrical, Computer, Energetic, Electronic and Communication Engineering, World Academy of Science , Engineering and Technology Publishers, (ISSN: 2010-376X, E-ISSN: 2010-3778), Vol. 9, No.8, pp. 723-728, August 2015. SJR Impact factor 0.13. scholar.waset.org/1999.5/10002277
22. Dr.R.Seyezhai,ASSP/EEE, Mounica Ganta, Pallamreddy Nirupa and Thimmadi Akshitha(passed out UG Students) published a paper titled, " Dynamic Analysis of Interleaved Boost Converter for Fuel Cell Applications", Journal of Engineering and Interdisciplinary Research: 2015, 2 (1):1-9, ISSN No: 2349-378X.

23. V.Rajini, P.Anto Jaily (Research Assistant) published paper titled, "An Insight in to fly back converter for various applications" International Journal of Electrical and Electronics Engineering Research (IJEEER) ISSN(P): 2250-155X; ISSN(E): 2278-943X, Vol. 5, Issue 5, Oct 2015, 71-84. Thomson reuters indexed
24. Dr.R.Seyezhai, ASSP/EEE and N.Hemalatha (Research Scholar) published a paper titled, "A Review Of Extended Boost Quasi Z-Source Inverter Topologies for PV Applications ", International Journal of Applied Engineering Research (IJAER), Volume 10, Number 12 (2015).

## OCTOBER-2015

25. Dr.R.Seyezhai (ASP/EEE), Ms.D.Umarani (AP/EEE) published a paper titled "Total Power Control for Quasi Z-Source Inverter based Grid Tie Single Phase Photovoltaic System" in Journal of Applied Sciences Research, Volume 11, Issue 14, pp 59-66, September 2015. [Anna University-Annexure II].
26. Dr. Ashwin Kumar Sahoo Prof/EEE published a paper titled "Modeling and Simulation of Superconducting Magnetic Energy Storage Systems" in International Journal of Power Electronics and Drive System (IJPEDS) Vol. 6, No. 3, September 2015, pp. 524~537 , ISSN: 2088-8694 (Annexure – II)
27. M. S. Anandhi (II Year PG Student) and R. Ramaprabha (Asso. Prof.), "Modelling of Multi-Stacked Voltage Equalizer for Photovoltaic Array under Partial Shaded Conditions", International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering (IJAREEIE), (ISSN: 2320 – 3765) ISSN (Online): 2278 – 8875, Vol. 4, No. 10, pp. 8059-8067, Oct 2015 (DOI: 10.15662/IJAREEIE.2015.0410002).
28. Dr.R.Seyezhai , ASSP/EEE and P.Vaishnavi,(Passed out M.E.PED) " Simulation and Performance Analysis of a Novel Seven-Level inverter with DC-DC Converter for Photovoltaic System", International Journal of Engineering and Applied Sciences (IJEAS) ISSN: 2394-3661, Volume-2, Issue-8, August 2015.pp.66-71.
29. Vommi Nithin, P.Siva Priya, Dr. R.Seyezhai, K.Vigneshwar and N.Siva Sumanth(passed out UG Students), "Design and Implementation of a Bridgeless Interleaved Boost Converter for Plug- in Hybrid Electric Vehicles", Journal of Engineering And Technology Research, 2015, 3 (5):1-11.
30. Dr.R.Seyezhai,ASSP/EEE A.Archana , K.Arthi , J.Bhavani & M.Deepa,(Passed out UG Students) "PERFORMANCE ANALYSIS OF SWITCHED INDUCTOR QUASI ZSOURCE INVERTER FOR PHOTOVOLTAIC APPLICATIONS", Journal of Engineering And Technology Research, 2015, 3 (5):22-31.

31. S Dharani(passed out PG Students), and Dr.R.Seyezhai, "Performance investigation of asymmetric multilevel inverter with reduced switch count for fuel cells", International Journal on Electrical & Computer Engineering ,Volume 4, Number 2, June 2015, pp.43-55.This project was funded by SSN Management. DOI : 10.14810/ecij.2015.4205
  
32. Dr.R.Seyezhai and M.UmaMaheswari(AP/EEE, RMD Engineering College) ,"Simulation of a bi-directional dc-dc converter for PV applications", International Journal on Electrical & Computer Engineering, Volume 4, Number 2, June 2015, pp.31-42. DOI : 10.14810/ecij.2015.4204
  
33. K. N. Dinesh Babu, R. Ramaprabha, V. Rajini and V. Nagarajan, "A Novel Solution to Restricted Earth Fault Low Impedance Relay Mal operation", International Journal of Electrical, Computer, Energetic, Electronic and Communication Engineering, World Academy of Science , Engineering and Technology Publishers, (ISSN: 2010-376X, E-ISSN: 2010-3778), Vol. 9, No.8, pp. 809-814, August 2015. SJR Impact factor 0.13. (DOI: <http://scholar.waset.org/1999.5/10002664>)
  
34. **U. Shajith Ali**, "Bi-Directional Z-Source Inverter for Superconducting Magnetic Energy Storage Systems", August 2015, Applied Mechanics and Materials, Vol.787, pp. 823-827. [ISSN 1660-9336] [Anna University Annexure-II] [Impact Factor:0.15]. doi:10.4028/www.scientific.net/AMM.787.823.
  
35. **U. Shajith Ali**, " A Modified Maximum Power Point Tracking Control for Bi-Directional Z-Source DC-DC Converter Based Solar Electric Vehicle", August 2015, Applied Mechanics and Materials, Vol.787, pp. 828-832. [ISSN 1660-9336][Anna University Annexure-II] [Impact Factor:0.15] **doi:10.4028/www.scientific.net/AMM.787.828**
  
36. Umadevi Nagalingam Balaji Mahadevan Kamaraj Vijayarajan Ananda Padmanaban Loganathan ,"Design optimization for cogging torque mitigation in brushless DC motor using multi-objective particle swarm optimization algorithm", COMPEL: The International Journal for Computation and Mathematics in Electrical and Electronic Engineering, Vol. 34,No.4, pp. 1302 - 1318,2015. (**International journal-Annexure 1 Impact Factor:0.371 ) ISSN : 0332-1649 Thomson Reuters Indexed, Published Abroad.** <http://dx.doi.org/10.1108/COMPEL-07-2014-0162>)
  
37. A.K. Pandian , R.Venkatesh , R.Srinath(UG 2015 Batch Final year Students) and M. Balaji," Design and Implementation of Three Phase Multilevel Inverter with Reduced Number of Switches" International Journal of Applied Engineering Research, Vol. 10 No.36,pp 27743-27747,2015(**International journal-Annexure II ISSN 0973-4562 Conference Paper Accepted in Journal Published in India**)
  
38. Dr.Seyezhai, and A.Bharathi Sankar, "Implementation of SiC Based DC-DC Boost Converter For Photovoltaic Applications" , International Journal of Engineering

Research and Technology, Volume 3, Issue 16, 2015, pp.259-265 ISSN:  
2278-0181.No Pay Journal,(Published India),Selected thro' conference.

39. D.Umarani & R.Seyezhai, “ A Comparative study of Cascaded Z-source and Quasi Z-source Multilevel inverter for photovoltaic applications Proceedings of Mechanical Engineering Series 01 July-August 2015, ISSN :2455-0957.No Pay Journal (Published India).Selected thro' conference. doi:10.18831/pomes/2015011009
40. R.Seyezhai And M.Raasu, “ Analysis, Simulation and prototype implementation of Tapped Inductor Interleaved Boost Converter for PV applicationsInternational Journal of Engineering, IOSRD Vol.2, Issue-2, September 2015,pp.1-10 ISSN :2394-2681. No Pay Journal(Published India) Selected thro' conference.
41. Nithya SubramanianP. Prasanth, R. Srinivasan, R. R. Subhesh, R. Seyezhai Analysis and Experimentation of Soft Switched Interleaved Boost Converter for Photovoltaic Applications IJE TRANSACTIONS A: Basics Vol. 28, No. 10 (October 2015). ISSN : 1025-2495 doi: 10.5829/idosi.ije.2015.28.10a.00 No Pay Journal (Published Abroad) Scopus indexed
42. Nithya Subramanian, R. Srinivasan, R.Seyezhai, Pridhivi Prasanth & R.R. Subhesh, “Investigation of Closed Loop Control for Interleaved Boost Converter with Ripple Cancellation Network for Photovoltaic Applications, I.J. nformation Technology and Computer Science, 2015, Vol.09, 2015.pp.66-72 ISSN: 2074-9007 (Print), ISSN: 2074-9015 (Online). No Pay Journal.(Published abroad)
43. Nithya Subramanian, Pridhivi Prasanth, R Srinivasan and R.Seyezhai, “Analysis and experimentation of two-phase interleaved boost converter with ripple cancellation network for PV Applications Electrical and Electronics Engineering: An International Journal (ELELIJ), Vol 4, No 2, May 2015, pp.105-115 ISSN; 2200-5846.No Pay Journal (Published abroad). DOI : 10.14810/elelij.2015.4209
44. R.Seyezhai and SreeMallika ,” Investigation of SEPIC Converter Power factor correction topologies for LED Lighting Applications Inventi Impact: Power Electronics, 2015(1):55-61, 2015.ISSN: 2277-6311.No Pay Journal (Published India)
45. S Dharani & R.Seyezhai, “Analysis and implementation of FPGA control of asymmetric multilevel inverter for fuel cell applications’, International Journal of Advances in Materials Science and Engineering (IJAMSE),Vol.4, No.4, October 2015 ISSN : 2201-2311.No Pay Journal(Published Abroad). DOI : 10.14810/ijamse.2015.4404

**NOVEMBER-2015**

46. M.Vageesh, R. Rahul (III Yr.EEE, B)R.Seyezhai & Yash Oza, " Design, Analysis and Implementation of Tapped Inductor Boost Converter for Photovoltaic Applications" International Journal of Scientific Engineering and Applied Science (IJSEAS) Volume-1, Issue-8,November 2015, ISSN: 2395-3470.This work was funded by SSN Management under Students Internally funded project.

47. Leo Raju, Kaviya A (Final year EEE A section student) and Janani V.(Final year EEE A section student), "Optimal Energy Management of Micro-grid using Reinforcement Learning" is published in International Journal of Applied Engineering and Research" ISSN 0973-4562 Vol. 10 No.40 (2015). (AU Annexure II, with SJR =0.13)

#### **DECEMBER-2015**

48. G.R.Venkatakrisnan, J. Mahadevan, R.Rengaraj, "Optimal Dispatch of Residential Distributed Energy Sources Using Self-Adaptive Differential Evolution Algorithm",International Journal of Applied Engineering Research, Volume 10, page. nos. 12761- 12778, 2015.ISSN 0973-4562. Annexure II.Scopus Indexed.H index:5.paid

49. M.Karthikeyan, R.Rengaraj, N.B.Muthuselvan, Janagan.P.D.D, T.Sarath Babu, " Fault Protection Scheme For DC Ring Bus Microgrid System ",International Journal of Applied Engineering Research, Vol. 10 , page nos. 4387-4392,2015.ISSN 0973-4562. Annexure II .paid .H index:5

50. Augusteen W A and Dr. Rengaraj R, "Network Constrained Economic and Emission Dispatch Using Differential Evolution Algorithm", International Journal of Applied Engineering Research,Vol. 10, NO. 7 pp. 17261-17273, 2015..ISSN 0973-4562.Annexure II.H index:5.paid.

51. V.S. Nagarajan, M. Balaji and V. Kamaraj, "Back-Emf-Based Sensorless Field-Oriented Control of PMSM Using Neural-Network-Based Controller with a Start-Up Strategy, Artificial Intelligence and Evolutionary Algorithms in Engineering Systems in Advances in Intelligent Systems and Computing series, - 325, by Springer. DOI - 10.1007/978-81-322-2135-7\_48,. ISSN - 2194-5357.

52. S.Krishnaveni AP/EEE, Dr.V.Rajini Prof/EEE, RajesRengarajan published a paper entitled "Development of PEF Source in Nanosecond Range for Food Sterilization", in Journal of Electrical System, vol 11(4), 2015, pp; 407-419, ISSN; 11125209 (Annexure II),SJR factor 0.17.

53. R. Seyezhai ASSP/EEE, VommiNithin, P. Siva Priya, K.Vigneshwar and Nagineni Siva Sumanth (passed out UG Students), "Design and Implementation of a Bridgeless Zeta Converter for Power Factor Correction in Hybrid Electric Vehicles

- MAGNT”, Research Report, Vol.3 (7), PP: 24-34, 2015, (ISSN. 1444-8939) Indexed in Thomson Reuters. (DOI: dx.doi.org/14.9831/1444-8939.2015/3-7/MAGNT.03)
54. Dr.R.Deepalaxmi ASSP/EEE, Desigan.V, Dineshkumar.S, Ishwarya.V and Jayabjharathi.K (Passed out BE/EEE students) published a paper titled “PAPER ID : 150101630-Performance Analysis of Resonant Converter Using LLC Topologies” in International Journal For Science And Advance Research In Technology IJSART Volume 1,Issue 12, December 2015. ISSN [ONLINE] : 2395-1052
  55. S. Malathy AP/EEE and Dr. R. Ramaprabha (Assoc. Prof.) , “A New Multilevel Inverter Topology with Reduced Number of Switches for Photovoltaic Systems”, Australian Journal of Basic and Applied Sciences (ISSN: 1991-8178), Vol. 9, No. 33, pp. 78-83, 2015. (AU Annexure 2, Scopus indexed, SJR Impact factor - 0.15)
  56. S. Malathy (AP) and Dr. R. Ramaprabha (Assoc. Prof.) , “A virtual study on the effects of partial shading on the performance of photovoltaic array”, Australian Journal of Basic and Applied Sciences (ISSN: 1991-8178), Vol. 9, No. 33, pp. 92-97, 2015. (AU Annexure 2, Scopus indexed, SJR Impact factor - 0.15)
  57. Dr. R. Ramaprabha (Assoc. Prof.) and M. Venmathi (FT Research Scholar), “A systematic approach to the optimal sizing of 500 W stand-alone Photovoltaic System using Multi-port Converter ”, Australian Journal of Basic and Applied Sciences (ISSN: 1991-8178), Vol. 9, No. 33, pp. 98-103, 2015. (AU Annexure 2, Scopus indexed, SJR Impact factor - 0.15)
  58. Dr. R. Ramaprabha (Assoc. Prof.) and S. Rithika (PG student), “Design and Implementation of Photovoltaic Based Islanded Microgrid with Inverter Control”, Australian Journal of Basic and Applied Sciences (ISSN: 1991-8178), Vol. 9, No. 33, pp. 104-109, 2015. (AU Annexure 2, Scopus indexed, SJR Impact factor - 0.15)
  59. Dr.R.Deepalaxmi (Asso.Prof/EEE) and Dr.V.Rajini (Prof/EEE) published a paper titled “Performance Evaluation of Electron Beam Irradiated SIR-EPDM Blends” in “IEEE Transactions on Dielectrics and Insulation” Vol .No-22, Issue no-6, Page no-3366-3375;Impact factor-1.278; ISSN-1070 9878;Annexure-I,Thomson reuter indexed, December 2015.
  60. N. C. Lenin, R. Arumugam, “Design and Experimental Verification of Linear Switched Reluctance Motor with Skewed Poles”, International Journal of Power Electronics and Drive System (IJPEDS), Vol. 6, No. 1, March 2015, pp. 18~25,ISSN: 2088-8694.
  61. V. Ganesh Sampath, R. Elavarasan, N. C. Lenin and R. Arumugam, “A Novel Skewed Linear Switched Reluctance Motor – Analysis And Design”, Applied Mechanics and Materials Vol. 787 (2015) pp 874-87. ISSN 1660-9336 [Impact Factor:0.15]



62. V. Ganesh Sampath, R. Elavarasan, N. C. Lenin, and R. Arumugam, "Design And Experimental Verification Of Linear Switched Reluctance Motor With Tapered Poles", Applied Mechanics and Materials Vol. 787 (2015) pp 878-882. ISSN 1660-9336.[Impact Factor:0.15]

#### **JANUARY- 2016**

63. R.Seyezhai, and M.Sudhakaran, "Design and Simulation of Single-phase Trinary Multilevel Inverter for Photovoltaic Applications", International Journal of Emerging Technologies And Applications In Engineering, Technology And Sciences (Ij-Eta-Ets).Jan 2016 | Volume 9 : Issue 1,pp.52-59. ISSN: 0974-3588. (Published India).
64. Prithvi Prasanth ( passed out UG ) and R. Seyezhai, " Investigation of Four Phase Interleaved Boost Converter Under Open Loop and Closed Loop Control Schemes for Battery Charging Applications", International Journal of Advances in Materials Science and Engineering (IJAMSE) January 2016, Vol.5,No:1,pp.11-20. ISSN: 2201-2311. No Pay Journal. (Published abroad)

#### **FEBRUARY - 2016**

65. Dr.V.Rajini Prof /EEE, Abitha Memala W, " Information Theoretic Criteria for induction motor fault identification" Indian Journal of Science and Technology, Vol 8(30), DOI: 10.17485/ijst/2015/v8i30/70494, ISSN (Print) : 0974-6846 , ISSN (Online) : 0974-5645. (Annexure II)
66. K.Sathiyarayanan, S.P.Natarajan, Ranganath Muthu Prof/EEE &C.R.Balamurugan, "Analysis of Various PWM Strategies of Binary DC Source Multilevel Inverter Fed Universal Motor Load", International Journal of Multidisciplinary Educational Research, Vol. 5, No. 2, February 2016.

#### **MARCH – 2016**

67. V.Aarthi (Passed out PG Students) and Dr.R.Seyezhai, "Investigation of Interleaved Boost Converter with Voltage multiplier for PV with Fuzzy MPPT", Electrical & Computer Engineering: An International Journal (ECIJ), March 2016, Volume 5, Number 1, ISSN: 2201-5957.
68. Leo Raju, Milton R S and Senthilkumaran MAHADEVAN, " Multi agent Systems Based Modelling and Implementation of Dynamic Energy Management of Smart Micro-grid Using MACSimJX", Special issue in "Computational Intelligence for Modelling and Simulation" ,The Scientific World Journal, Volume 2016(2016), SJR Impact factor: 0.35.
69. M Anbuselvi, Saravanan P AP/ EEE, and Arulmozhi M , "Analysis of a Reduced Complexity FFT-SPA based Non-binary LDPC decoder with different code constructions, International Journal of Advanced Engineering Technology, Vol. VII, Issue I, Jan-Mar 2016, (Google Scholar, Scopus).

70. D.Lakshmi, A.Peer Fathima & Ranganath Muthu, Prof/EEE, "Simulation of the Two-Area Deregulated Power System using Particle Swarm Optimization", International Journal of Electrical Engineering and Informatics, Vol. 8, No. 1, March 2016.

#### **APRIL- 2016**

71. Thiyagarajan V AP/EEE. and Somasundaram P, "Performance Analysis of Photovoltaic Array with H5 Inverter under Partial Shading Conditions" in "International Journal of Innovation and Scientific Research", ISSN 2351-8014, VOL.22, NO.1 (2016) PP-164-177.
72. Dr.R.Seyezhai, Asso.Prof./EEE, "Design and Simulation of Fuel Cell Based High Gain Interleaved Boost Converter" International Journal of Advances in Electrical and Electronics Engineering, Vol.5, No: 1, 2016, ISSN: 2319-1112.
73. D.Lakshmi, A.Peer Fathima & Ranganath Muthu, Prof/EEE, "A Novel Flower Pollination Algorithm to Solve Load Frequency Control for a Hydro-Thermal Deregulated Power System", Circuits and Systems, Vol. 7, pp. 166-178, 2016.
74. R.Zahira, A.Peer Fathima & Ranganath Muthu Prof/EEE, 'Harmonic Reduction in Wind Power Generating System Using Shunt Active Filter with SPWM Technique', Circuits and Systems, Vol. 7, pp. 157-165, 2016.
75. Leo Raju, Milton SAKAYA and Antony Amalraj Morais( final year), " Autonomous Energy Management of a Micro-Grid using Multi Agent System" Indian Journal of Science and Technology, Vol 9(13), April 2016. Thomson Reuter Indexed. Scopus, SJR Impact Factor 0.27.
76. Leo Raju, Immanuel Rajkumar and Milton R.S, "Multi Agent System based Automated Demand Side Management of a Micro-Grid" International Journal of Control Theory and Applications. (I J C T A), 9(2) 2016, pp. 383-395.SJR Impact factor: 0.53, Scopus Indexed, Anna University Annexure II.
77. P.latchiya , M.Sudhakaran R.Seyezhai, "Power Management and Control for Domestic Appliances using GSM and Android Application", International Journal of Emerging Technology in Computer Science & Electronics (IJETCSE), Volume 21 Issue 3, April 2016. pp.44-49. ISSN: 0976-1353. No Pay Journal. (Published India)
78. M. Vijayalakshmi, , FT Research Scholar/EEE, R. Ramaprabha, Asso. Prof/EEE and G. Ezhilarasan, "Design of Auxiliary Resonant Boost Converter for Flywheel based Photovoltaic Fed Microgrid", Indian Journal of Science and Technology (IJST) (ISSN-Print: 0974-6846; ISSN - Online: 0974-5645), Vol. 9, No. 13, April 2016. (DOI: 10.17485/ijst/2016/v9i13/87199) Scopus Index 1.3.

#### **MAY 2016**

79. V.Rajini Prof/EEE, Margaret Amutha ( Full time research scholar), " Cost benefit and technical analysis of rural electrification alternatives in southern India using HOMER", Renewable and Sustainable Energy Reviews, Elsevier publications, Vol.62, 2016, pp236–246, 2016. ( Annexure 1, Thomson Reuters indexed)
80. Dr Mrunal Deshpande ASSP/EEE "PI Controller for Switched Reluctance Motor" in International Journal of Advance Engineering and Research Development, Volume 3, Issue 5, May -2016 (SJIF: 4.14), pg 218-222 ( ISSN (P): 2348-6406)
81. Dr.R.Seyezhai, ASSP/EEE and A.Bharathi Sankar published a paper titled, " Simulation and Implementation of Solar Powered Electric Vehicle", Journal of Circuits and Systems, May 2016, pp.643-661. ( Updated Annx.-1)

National Journal: 8

International Journal: 73