

SSN COLLEGE OF ENGINEERING

DEPARTMENT OF EEE

LIST OF JOURNAL PUBLICATIONS – 2018-2019

JULY 2018

1. G. Ramya and Dr. R. Ramaprabha ASSP /EEE, ‘Investigation of Power Loss and Total Harmonic Distortion on Modular Multilevel Converter under Different Modulation Techniques’, Journal of Electrical Engineering (ISSN 1582-4594), Vol. 18, No. 2, pp. 66-72, June 2018. Scopus Index 0.16.
2. A. ArrulDhanaMathy (passed out M.E. Student) and R. Ramaprabha (ASSP/EEE), ‘Comparative analysis of grid connected transformer less photovoltaic inverters for leakage current minimization’, Indian Journal of Science and Technology (IJST) (ISSN-Print: 0974-6846; ISSN - Online: 0974-5645), Vol. 11, No. 23, June 2018. (DOI: 10.17485/ijst/2018/v11i23/109686)
3. Dr. R. Ramaprabha(Asso.Prof./EEE), M. Bharath Reddy, G. Guru Naresh and M. Jagadeeshvar (III year UG students/EEE), (III year UG students/EEE), ‘Modelling and Simulation of Y-Source Inverter for Photovoltaic Interface’, International Journal of Pure and Applied Mathematics (IJPAM) (ISSN: 1311-8080 online ISSN: 1311-3395), Vol. 118, No. 24c, Special Issue, June 2018. Scopus Index 0.14.
4. Dr. R. Ramaprabha (ASSP/EEE), L. Deepak, R. R. HariPrasath and S. Dhilip (III year UG students/EEE), “Online Photovoltaic Curve Tracer using SEPIC DC-DC Converter”, International Journal of Pure and Applied Mathematics (IJPAM) (ISSN: 1311-8080 online ISSN: 1311-3395), Vol. 118, No. 24c, Special Issue, June 2018. Scopus Index 0.14.
5. S.Vidhya (Part Time Research Scholar) and Dr.V.Kamaraj(Prof &Head,EEE), ‘ Particle Swarm Optimized Extreme Learning Machine for Feature Classification in Power Quality Data Mining’, Automatika – Journal for Control, Measurement, Electronics, Computing and Communications (Thomson Reuters indexed), Vol.58,No.4,pp 487-494,2018(Impact factor – 0.217).
6. S.Vidhya (Part Time Research Scholar) and Dr.V.Kamaraj(Prof &Head,EEE), ‘Complex Neural Classifiers for Power Quality Data Mining’, Journal of Electrical Engineering and Technology. (Thomson Reuters indexed),vol.13, no.4, pp.1715-1723 , 2018 (Impact factor – 0.597).

7. Dr.R.Seyezhai,ASSP/EEE, Ms.A.D.MinuAishwarya (II Yr.M.E., PED passed out student, 2018 batch), ‘Investigation of Modulation Strategies for Cascaded Multilevel Inverter’, International Journal of Pure and Applied Mathematics,Vol.118, No.24,2018, pp.1-18, ISSN: 1311-8080 (printed version); ISSN: 1314-3395 (on-line version), (SCOPUS INDEXED)
8. Dr.R.Seyezhai,ASSP/EEE, &Ms.A.N.Niruba (II Yr.M.E., PED passed out student) “Design and Development of High Voltage Power Converter for X-ray Power Generators”, International Journal of Pure and Applied Mathematics,Vol.118, No.24,2018, ISSN: 1311-8080 (printed version); ISSN: 1314-3395 (on-line version), (SCOPUS INDEXED)
9. Dr.R.Seyezhai,ASSP/EEE, &Ms.M.Shanthi (part-time research scholar),” Simulation and Analysis of Bridgeless Dual Boost PFC with LLC Resonant Converter for Battery Charging Applications’, International Journal of ChemTech Research, CODEN (USA): IJCRGG, ISSN: 0974-4290, ISSN(Online):2455-9555, Vol.11 No.04, 2018.
10. Dr.R.Seyezhai,ASSP/EEE, &SeerangaNandhini.S, Sowmya.V(IVYr.B.E., passed out student, 2018 batch) &Ms.D.Umarani, AP/EEE, “Design and Implementation of Micro-inverter for Photovoltaic Application”, International Journal of Pure and Applied Mathematics,Vol.118, No.24,2018, ISSN: 1311-8080 (printed version); ISSN: 1314-3395 (on-line version), (SCOPUS INDEXED).
11. MariappanSaravanan, RamalingamSujatha, Raman Sundareswaran and MuthuselvanBalasubramanian ASSP/EEE, ‘Application of domination integrity of graphs in PMU placement in electric power networks’, Turkish Journal of Electrical Engineering & Computer Sciences, Vol. 26: pp. 2066 – 2076, 2018. doi:10.3906/elk-1711-242.
12. J. Shanmugapriyan, N.Karupiah, S. Tamilselvi, “Optimum placement of multi type DG units for loss reduction in a radial distribution system considering the distributed generation, ‘Bulletin of the Polish Academy of Sciences: Technical Sciences’, Vol. 66, No. 3, pp: 345 - 354, 2018. DOI: 10.24425/123441
ISSN 2300-1917, Impact factor: 1.156.

August 2018

13. V.Rajini Prof/EEE, R.B.Jeyapradha, "High Frequency Transformer Design and Optimization using Bio-inspired Algorithms," International Journal on Applied artificial intelligence, Vol. 32, no. (7-8), pp. 1-20, 2018. DOI: 10.1080/08839514.2018.1506969

September 2018

14. Dr.R.Seyezhai, ASSP/EEE and Ms.ChitraVallavan (part-time research scholar), “ Investigation of Interleaved Power Factor Correction Circuit with Non-linear Carrier Current Control”, Journal of Advance Research in Dynamical & Control Systems, Vol. 10, 08-Special Issue, 2018, ISSN 1943-023X.Scopus indexed
15. ShriSoundharya J, SowmiyaA,Subhitcha R(passed out UG Students, 2018), Dr. R. Seyezhai, “Performance Evaluation of Interleaved Boost Converter Topologies for Photovoltaic Applications”, International Journal of Pure and Applied Mathematics, Vol. 118, no. 24, 2018, ISSN: 1314-3395.Scopus indexed
16. S. Krishnaveni, V.Rajini, "Diode clamped gate driver based High voltage pulse generator for Electroporation", Turkish Journal of Electrical Engineering and Computer Sciences, vol. 26, no. 5, 2018, pp. 2374-2384. doi:10.3906/elk-1710-133. Impact factor 0.58.
17. S.Devi, II Year M.E. (PED),Dr.R.Seyezhai, “Simulation and Analysis of Modulation Strategies for PV Based T-Type Inverter”, International Journal of Pure and Applied Mathematics, Vol. 118, no. 24, 2018. ISSN: 1314-3395.This work was carried out with the students internally funded project.Scopus indexed

October 2018

18. G.R.Venkatakrisnan AP/EEE, R.Rengaraj,ASSP/EEE, “Grey Wolf Optimization To Hybrid Renewable Energy System Located In Western Ghats Region - A Case Study”, Journal of Electrical Engineering, Vol.18, Ed.3, pp.48-57, 2018.
19. U. Kavitha, R. Ramaprabha ASSP/EEE and S. Malathy ASSP/EEE, “Switched Capacitor Inverter for PV System”, International Journal of Scientific and Engineering Research (IJSER) (ISSN: 2229-5518), Vol. 9, No. 10, pp. 74-76, Oct 2018.

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20. Dr.R.Seyezhai and P.S.Suvetha (RA) “Performance assessment of high gain DC-DC converter topologies for PV applications”, International journal of advanced information science and technology, vol.7, Issue 8, 2018, pp.7-12.
21. S. Prabhu (Part Time Research Scholar), M.Balaji ASSP/EEE, "Analysis and Implementation of Two Phase Flux Reversal Free Doubly Salient Machine" Journal of Magnetics, Vol. 23, No.3, pp. 350–359, 2018. (Thomson Reuters indexed), (Impact factor – 0.628).
22. Saranya(Full Time Research Scholar), Venkatasubramanian(PG Student), Balaji.M, ASSP/EEE, "Effect of Modified Pole Shapes on the Peformance of Hybrid Switched Reluctance Motor" Journal of Electrical Engineering, Vol.18, No.3, pp.1-6 , 2018.

23. Saradha Devi R, Mrudhulaa P. V, Priyadharshini K (IV Year EEE, B) Dr.R.Seyezhai, ASSP/EEE MrudulaVempati (IV Year EEE, B), "Development of Solar DC Home System using Modified Luo Converter", International Journal of Engineering and Advanced Technology, Volume-8 Issue-1, October 2018.(scopus indexed)
24. Dr.R.Seyezhai, ASP/EEE and J.Antonsheeba, (part-time research scholar) "Investigation of Single-Stage AC- DCPFC Topologies for LED Applications", International Journal of Pure and Applied Mathematics, Vol. 118, 24, 2018, ISSN: 1314-3395(SCOPUS Indexed).
25. M. Rajalakshmi, **R. Rengaraj**, MukundBharadwaj, Akshay Kumar, N. NarenRaju and Mohammed Haris, "An Ensemble Based Hand Vein Pattern Authentication System" CMES, vol.114, no.2, pp.209-220, 2018. (**Thomson Reuters**)
26. **G.R.Venkatakrishnan**, R.Rengaraj and S.Salivahanan " Grey wolf optimizer to real power dispatch with non-linear constraints, " CMES - Computer Modeling in Engineering & Sciences, Vol.115, No.1, 2018 (Thomson Reuters and Scopus indexed, 0.45)
27. P.Damodaran, R.Rengaraj, D.Rohit, **G.R.Venkatakrishnan** and G.Aadithya "A Simple Innovative Method To Reduce Extremely Low Frequency Magnetic Field By Conductor Splitting And Phase Mixing, " Journal of electrical engineering, Vol.18, Ed. 2, 2018 (Scopus indexed 0.12).
28. R.Jeya, **G.R.Venkatakrishnan**,R.Rengaraj,AnandS,Bharath Raj N ,GanapathiRamanathan, " Evolutionary Optimization Algorithms - A Review", Journal of advanced research in dynamical and control systems, Special issue. 10, pp. 1112 - 1122, 2018 (Scopus indexed 0.11)
29. **G.R.Venkatakrishnan**, R.Rengaraj, Pranamika B, Rakesh V, Savitha S" Improved Grey Wolf Optimizer For An Optimal Tuning Of Pid Controller In The Quarter - Car Suspension System", Journal of advanced research in dynamical and control systems, Special issue. 10,pp. 1123 - 1132, 2018 (Scopus indexed 0.11)
30. Leo Raju, Milton R S, Antony AmalrajMorais, "Advanced Energy Management of Micro-grid using Arduino and Multi-Agent System", Intelligent and Efficient Electrical Systems, 446, 65-76 .(ISSN-1876-1100) (Springer book series)(Scopus Indexed)2018.
31. Leo Raju, SajnaGokul, Prithika rani, NidhiJagan, " Iot based Real Time Energy Management of A Micro-Grid Using Arduino and Multi Agent System", International Journal of Pure and Applied Mathematics, 118, 10, 83-90. ISSN: 1311-8080, (SJR Impact Factor:0.14).(Scopus Indexed 2018)

32. Leo Raju, RamyaaRathnakumar, Soundaryaa P, “ Multi Agent Systems based Autonomous Transactive Energy Management of Micro-Grids”, International Journal of Pure and Applied Mathematics, 118, 10, 91-98. ISSN: 1311-8080, (SJR Impact Factor: 0.14). (Scopus Indexed 2018)
33. Leo Raju, SajnaGokul, Prithika rani, “IOT based Advanced Energy Management of Micro-grids”, International Journal of Pure and Applied Mathematics, 120, 6, 1443-1553, 2018. ISSN: 1311-8080, (SJR Impact Factor: 0.14). (Scopus Indexed).
34. Leo Raju, Milton R S, SenthilkumaranMahadevan, “ Application of Multi Agent Systems in Automation of Distributed Energy Management in Micro-grid using MACSimJX”, Intelligent Automation and Soft Computing, 24,3, pp: 483-491, 2018 (Taylor & Francis).(ISSN 1079-8587)(SJR ImpactFactor: 0.35). (Thomson Reuters Indexed).
35. S. Malathy and R. Ramaprabha, “Reconfiguration strategies to extract maximum power from photovoltaic array under partially shaded conditions”, International Journal on Renewable & Sustainable Energy Reviews (ISSN 1364-0321), Vol. 81, pp. 2922-2934, 2018. (DOI: <http://dx.doi.org/10.1016/j.rser.2017.06.100>), Scopus Index 3.12, Thomson Reuters Impact factor : 9.122 –Available online
36. S. Lakshmi and R. Ramaprabha, “Design and Analysis of an Improved High Gain Non Isolated Interleaved Boost Converter for Solar Photovoltaic Applications” Journal of Electrical Engineering (ISSN 1582-4594), Vol. 18, No. 4, pp. 119-130, Dec 2018. Scopus Index 0.16.
37. Thiyagarajan V. and Somasundaram P, “A New Multilevel Inverter with Minimum Number of Switches and Reduction in THD”, Journal of Electrical Engineering , 19, pp:19-24. Scopus Indexed Impact Factor: 0.112.
38. Thiyagarajan V. and Somasundaram P, “Design of New Symmetrical Nine Level Inverter with Reduced Number of Switches”, Rev. Roum. Sci. Techn.–Électrotechn. etÉnerg, 63, pp: 196-201. Thomson Reuters Indexed Factor: 1.114.
39. Thiyagarajan V, “Simulation Analysis of New Symmetric Multilevel Inverter Topology with Reduced Number of Switches “, International Journal of Pure and Applied Mathematics, 118, pp: 1-11 . Scopus Indexed Impact Factor : 0.139.
40. Thiyagarajan V. and Somasundaram P, “Multilevel Inverter Topology with Modified Pulse Width Modulation and Reduced Switch Count”, ActaPolytechnicaHungarica, 15, pp:141-167. Thomson Reuters Indexed Impact Factor : 0.745.
41. R.Flelshiya, Rajakumari, Dr. R. Seyezhai, “Analysis and assessment of DC-DC topologies for PV appilcations”, International Journal of Pure and Applied Mathematics, Vol.118, No.24, 1-18,2018, ISSN: 1311-8080 (printed version); ISSN: 1314-3395 (on-line version), (SCOPUS INDEXED).

42. S.Harika, Dr.R.seyechai, Dr.A.Jawahar, "A review of unidirectional AC-DC converter topologies for Level 1 charging of electric vehicle", International Journal of Pure and Applied Mathematics, Vol.120, No.6, 10853-10873, 2018, ISSN: 1311-8080 (printed version); ISSN: 1314-3395 (on-line version), (SCOPUS INDEXED).
43. S.Harika, Dr.R.seyechai, "Simulation and implementation of High gain DC-DC converter for photovoltaic applications", International Journal of Pure and Applied Mathematics, Vol.118, No.24, 1-12, 2018, ISSN: 1311-8080 (printed version); ISSN: 1314-3395 (on-line version), (SCOPUS INDEXED).
44. S.Devividya, Dr.MBalaji, "An effective controller design for switched capacitor Luo converter used in Hybrid Electric vehicle Applications", Journal of Electrical Engineering, vol. 18, Ed.4, pp:448-458, 2018. ISSN:1582-4594. Scopus indexed.
45. S. Malathy and R. Ramaprabha, "A two-stage tracking algorithm for PV systems subjected to partial shading conditions", International Journal of Renewable Energy Research (ISSN 1309-0127), Vol.8, No.4, pp. 2249-2256, Dec 2018. Scopus Index 0.26. Thomson Reuters indexed
46. T. Kripalakshmi and R. Ramaprabha, "Implementation of EV Battery Charging by Wireless Power Transfer", International Journal of Darshan Institute on Engineering Research & Emerging Technologies (IJDI – ERET), Vol. 7, No. 2, pp. 17-21, Dec 2018. ISSN (Print): 2320-7590. SJIF – 6.24.
47. A Sivakumar, N.B.MuthuSelvan, "Reduction of source current harmonics in ANN controlled induction motor", Alexandria Engineering Journal, vol. 57, pp. 1489–1499. Scopus indexed.
48. A Sivakumar, N.B.MuthuSelvan, "Analysis of fuzzy logic controlled PV based zeta converter fed saf for induction motor", Journal of Electrical Engineering, vol. 18, pp. 452-459. ISSN: 1582-4594 Scopus indexed.
49. U. Shajith Ali, "Z - H CONVERTER WITH A NEW SIMPLE MPPT FOR PHOTOVOLTAIC POWER GENERATION SYSTEM", Journal of Electrical Engineering, Vol. 18, Edition 3., pp. 1582-4594. Scopus indexed.
50. V.Aishwarya, C.Kavitha, R. Kaviya (passed out UG Students), R.Seyechai, S.Harika (PhD scholar), published a paper titled, "Design and Implementation of Inductive Power Transfer For EV Battery Charging", International Journal Of Innovative Technology and Creative Engineering, Vol.8 No.12 December 2018, (ISSN:2045-8711).