JOURNAL PUBLICATIONS

- 1. Josephine R L and Suja S, Fuzzy Approach in Wind Systems for Frequency Control, National Journal of Technology 10 (1), 54-57, 2014.
- 2. P.Sangeetha and S.Suja, Modified Genetic Algorithm Technique for Harmonic Suppression and Cost Management for Energy and Power Management, International Journal of Applied Engineering Research 9 (No.24), pp.29037-29049, 2014.
- RL Josephine, S Suja, Experimental Investigations with Fuzzy Controller for PV Fed DC Motor Incorporating SEPIC Converter as Efficient Power Interface, Applied Mechanics and Materials 550, 110-125, 2014.
- 4. RL Josephine, S Suja, G Karunambika, Combination of fixed configuration and reconfiguration method for maximum power extraction from PV arrays, Advances in Natural and Applied Sciences 8 (20), 67-73, 2014.
- 5. RL Josephine, S Suja, Estimating PMSG wind turbines by inertia and droop control schemes with intelligent fuzzy controller in Indian development, Journal of Electrical Engineering and Technology 9 (4), 1196-1201, 2014.
- 6. M Packiasudha, S Suja, Reactive Power Control in the Deregulated Electrical Power Environment using FACT Devices, International Journal of Advance Research and Innovation 3 (1), 197-206, 2015.
- 7. P Sangeetha, N. Noor Aisha Nasreen, S. Suja, Adopting A new algorithm In GIS and Remote Sensing which Enables Forecasting Techniques to Avoid the Disasters Due to Climatic Change Phenomenon, Australian Journal of Basic and Applied Sciences 9 (10), 253-259, 2015.
- 8. N. Noor Aisha Nasreen, S Suja, Image Segmentation Using the Features Derived from Wavelets and Curve lets in Forecasting the Weather Patterns, Australian Journal of Basic and Applied Sciences 9 (10), 247-252, 2015.
- 9. RL Josephine, S Suja, AD Raj, Comparison of optical, structural, morphological, vibrational and thermal analysis of V2O5 nanobelts prepared with and without the application of constant current source from renewable energy, Optik-International Journal for Light and Electron Optics 127 (6), 3299-3302, 2016.
- 10. P Sangeetha, S Suja, Efficient Algorithm for Dwindling payment and Power management', Circuits and Systems 7 (9), 2016.

- 11. S.Suja, G.Banu, Accurate Fault location Technique using one end data, Advances in natural and applied science 9 (17), pp.233-239, 2016.
- 12. S.Suja, G.Banu, ANN Based Fault location Technique for UHV line using One End Data, International journal of Emerging Trends in Engineering and Development,vol.1., 2016.
- 13. JR Louis, S Shanmugham, K Gunasekar, NR Atla, K Murugesan, Effective utilisation and efficient maximum power extraction in partially shaded photovoltaic systems using minimum-distance-average-based clustering algorithm, IET Renewable Power Generation 10 (3), 319-326, 2016.
- 14. JR Louis, S Shanmugham, J Jerome, Encompassing nine switch converter approach in wind-hydro hybrid power system feeding three phase three wire dynamic loads, International Journal of Electrical Power & Energy Systems 79, 66-74, 2016.
- 15. M Packiasudha, S Suja, J Jerome, A new Cumulative Gravitational Search algorithm for optimal placement of FACT device to minimize system loss in the deregulated electrical power environment, International Journal of Electrical Power & Energy Systems 84, 34-46, 2017.
- 16. S.Suja, V Karthik, Optimized multiple existence for pedestrian evacuation using geographic map-based path discovery, The Journal of Networks, Software Tools and Applications, Cluster Computing, ISSN vol.16, Issue-3,1386-7857, 2017.
- 17. S.Suja, G.Banu, Fault detection and Classification using DWT with GA-ANFIS on UHV Line, International Journal of Printing, Packaging & Allied Sciences 5 (1), pp.87 96, 2017.
- 18. P Sangeetha, S Suja, Comparison of Proficient Algorithms for Smart Reimbursement and Electric Load Demand Management, 2018.
- 19. S.Suja, V.Karthik, Appliance of Effective Bayesian State Estimation for the Evacuation of Pedestrians using Least Mean Square Method, Carribean Journal of Science, Vol. 53, Issue. 1, pg.No. 347-367, 2019/3, 2018.

CONFERENCE PUBLICATIONS

 Josephine, S.Suja, "Energy Management in Renewable System Incorporating Optimization using Domotics Controller", International Conference on Advances in Control and Computing of Analog and Digital Systems, 2014, December 29-31, 2014, Coimbatore Institute of Technology, Coimbatore-641014, India, Pg.No.P007

- 2. Sangeetha, S.Suja, "Hybrid Power Managing Optimization", International Conference on Advances in Control and Computing of Analog and Digital Systems, 2014, Pg.No.P025.
- Packiasudha, S.Suja, "Placement of Fact Devices for Reactive Power Control", International Conference on Advances in Control and Computing of Analog and Digital Systems, 2014, Pg.No.P058.
- 4. Karunambiga, Josephine, S.Suja, "Effect of Partial Shading Conditions in PV Arrays Using Flipped H, Circular Rotation, Up-Down and Inverted Triangle Methods", 47th Annual Frontiers of Power Conference, Oklahoma State University Outreach Program, 2014.
- 5. Josephine, S.Suja, "Fuzzy Approach in Wind Systems for Frequency Control", National Conference on Control, Computing and Automation –CCA-2014, PSG College of Technology, Coimbatore.24-01-14 to25-01-14
- 6. Noor Aiysha Nasreen, S.Suja, "Adopting a new algorithm in GIS and Remote sensing which enables forecasting techniques to avoid the disasters due to climatic change phenomenon", International Conference TC-IFES 2015 organised by the Department of documentation and Information Sciences, CSIR-CLRI TCIFES Proceedings. 15.2015 and 2.5.2015
- Seetha, S.Suja, "Microcontroller based desalination of water using double slope solar still
 with coupled preheated water", New and Renewable Energy Technologies-NRET 2016,
 PSG College of Technology, 22nd April 2016
- Divya, S.Suja, "Micro Controller Based Water Purification System Using Nano Filters", New and Renewable Energy Technologies-NRET 2016, PSG College of Technology, 22nd April 2016
- Merlin Sajini, S.Suja, "Web based Monitoring of Hybrid Renewable Energy System", NationalConference on Energy and Environment CODISSIA Trade Fair Complex, Coimbatore, Organized by IIT, Madras, 16th &17th September 2016
- 10. Deepa.K, S.Suja, "Design and Implementation Water Purification and Distribution System Using Graphene Oxide and Magnetic Filtration" National Conference on Energy and Environment CODISSIA Trade Fair Complex, Coimbatore, Organized by IIT, Madras,16th &17th September 2016
- 11. Kowsalya Devi, S.Suja, "Load Priority Scheduling Algorithm based on Renewable Energy Source Availability", National Conference on Energy and Environment CODISSIA Trade Fair Complex, Coimbatore, Organized by IIT, Madras, 16th &17th September 2016

- 12. Merlin Sajini, S.Suja, "A Comparative Analysis of One Day Ahead Solar Irradiance Forecasting in Renewable Energy Applications", in National Conference on "Alternate Energy Technologies" funded by Centre of Excellence-Alternate Energy Research, TEQIP II sponsored held at Government College of Technology, 24thMarch 2017.
- 13. Priyadharshini, S.Suja"IOT Based Smart Health Care systems in Real time" International Conference on Science, Technology, Engineering and Management (ICSTEM 19) 22-23, March 2019.
- 14. Brindha, S.Suja, "Optimal Placing and Sizing of Renewable Energy Based Distribution Generation Units Using optimization Algorithms in Radial Distribution System", International Conference on Science, Technology, Engineering and Management (ICSTEM'20) 13,14 March 2020 at Kalaignar Karunanidhi Institute of Technology, Coimbatore.