1. The Mystery Curve: A Signal Processing Based Power Quality Disturbance Detection,N Ramesh, S Deepa, PV Ranjan, IEEE Transactions on Industrial Electronics,2020
2. Network Energy Optimization of IOTs in Wireless Sensor Networks Using Capsule Neural Network Learning Model, S Govindaraj, SN Deepa, Wireless Personal Communications, 1-22,2020
3. Design of direct MRAC augmented with 2 DoF PIDD controller: An application to speed control of a servo plant,R Rajesh, SN Deepa,Journal of King Saud University-Engineering Sciences 32 (5), 310-320,6,2020
4. Improved Wind Speed Prediction Using Various Neural Network Models,V Ranganayaki, SN Deepa, C Maheswari,International Journal of Electrical Engineering and Technology 11 (2),2020
5. Regulated Jordan—Elman Neural Network-Based Controller Model for Grid-Connected Wind Energy Conversion Systems,SN Deepa, N Rajasingam,Advances in Smart Grid Technology, 63-75,2020
6. Cost minimization in a MicroGrid connected with Wind and PV generations using a hybrid Cat Swarm optimization and micro Differential Evolution,SN Deepa, R Selladurai, C Chelladurrai,2019 9th International Conference on Power and Energy Systems (ICPES), 1-6,2019
7. Multi Objective Optimization for Sizing and Placement of Distributed Generators Using a Modified Ant Lion Optimizer Algorithm,C Chelladurrai, R Selladurai, SN Deepa,2019 9th International Conference on Power and Energy Systems (ICPES), 1-6,1,2019
8. Optimized nonlinear neural network architectural models for multistep wind speed forecasting,KM Begam, SN Deepa,Computers & Electrical Engineering 78, 32-49,7,2019
9. Variant of the charged system search algorithm for the design of optimal linear phase finite impulse response filters,RP Meenaakshi Sundhari, SN Deepa,Automatika 60 (3), 266-273,2019
10. Linear and non-linear proximal support vector machine classifiers for wind speed prediction,V Ranganayaki, SN Deepa,Cluster Computing 22 (1), 379-390,4,2019
11. Hybrid evolutionary computing algorithms and statistical methods based optimal fragmentation in smart cloud networks,KSK Rani, SN Deepa,Cluster Computing 22 (1), 241-254,2, 2019
12. Global biotic cross-pollination algorithm enhanced with evolutionary strategies for color image segmentation,SN Deepa, D Rasi,Soft Computing, 1–15,3,2019
13. Optimized deep learning neural network model for doubly fed induction generator in wind energy conversion systems,N Rajasingam, D Rasi, SN Deepa,Soft Computing, 1-18,2,2019

14. Fuzzy Echo State Neural Network with Differential Evolution Framework for Time Series Forecasting,DS Nachimuthu, S Govindaraj, AT Shanmuganathan,2018 17th IEEE International Conference on Machine Learning and Applications,2018
15. Adaptive Regularized ELM and Improved VMD Method for Multi-step ahead Electricity Price Forecasting,SN Deepa, N Arulmozhi, B Gobu, P Kanimozhi, S Jaikumar,2018 17th IEEE International Conference on Machine Learning and Applications ,1,2018
16. Optimized deep learning neural network predictive controller for continuous stirred tank reactor,SN Deepa, I Baranilingesan,Computers & Electrical Engineering 71, 782-797,12,2018
17. Momentum-based wavelet and double wavelet neural networks for power system applications,SN Deepa, JB Rizwana,Neural Computing and Applications 29 (7), 495-511,1,2018
18. A novel method to select hidden neurons in ELMAN neural network for wind speed prediction application,M Madhiarasan, SN Deepa,WSEAS Transactions On Power Systems 13, 13-30,3,2018
19. Comprehensive study on the effect of entropy encoding algorithms on medical image compression,MD Manigandan, S Deepa,International Research Journal of Engineering and Technology (IRJET) 5 ,2018
20. Developed global biotic cross pollination algorithm for CIS,KSK Rani, D Rasi, SN Deepa,International Journal of Business Intelligence and Data Mining 13 (1-3), 108-128,2018
21. Determination of Adequate Hidden Neurons in Combo Neural Network Using New Formulation and Fine Tuning with IMGWOA for Enrich Wind-Speed Forecasting,M Madhiarasan, SN Deepa,International Journal of Applied Research on Information Technology ,1,2018
22. Comparative analysis on hidden neurons estimation in multi layer perceptron neural networks for wind speed forecasting,M Madhiarasan, SN Deepa,Artificial Intelligence Review 48 (4), 449-471,21,2017
23. A Novel Grey Wolf Optimization Approach Based Continuous Stirred Tank Reactor,I Baranilingesan, SN Deepa,2017,
24. Svm based neuro fuzzy model for short term wind power forecasting,V Ranganayaki, SN Deepa,National Academy Science Letters 40 (2), 131-134,9,2017
25. RF energy harvesting using 900MHz of mobile signal frequency to charging the mobile battery,SN Deepa, BSS Rani,2017 International Conference on Innovations in Green Energy and Healthcare,1,2017

26. Minimization of losses and FACTS installation cost using proposed differential gravitational search algorithm optimization technique,SN Deepa, J Rizwana,Journal of Vibration and Control 23 (2), 235-251,1,2017
27. Review of Forecasters Application to Solar Irradiance Forecasting,M Madhiarasan, SN Deepa,2017
28. Lung cancer classification employing proposed real coded genetic algorithm based radial basis function neural network classifier,I Selvakumari Jeya, SN Deepa,Computational and Mathematical Methods in Medicine 2016,
29. Congestion management in deregulated power system using hybrid cat-firefly algorithm with TCSC and SVC FACTS devices,N Avudayappan, SN Deepa,COMPEL-The international journal for computation and mathematics ,4,2016
30. A novel criterion to select hidden neuron numbers in improved back propagation networks for wind speed forecasting,M Madhiarasan, SN Deepa,Applied intelligence 44 (4), 878-893,31,2016
31. Application of ensemble neural networks for different time scale wind speed prediction,M Madhiarasan, S Deepa,neural networks 4 (5),10,2016
32. Modeling and implementation of various controllers used for Quadruple-Tank,RJA Raj, SN Deepa
33. 2016 International Conference on Circuit, Power and Computing Technologies ,2016
34. Longitudinal control of aircraft dynamics based on optimization of PID parameters,SN Deepa, G Sudha
35. Thermophysics and Aeromechanics 23 (2), 185-194,2016
36. Solving Unit Commitment Problem Employing Proposed Hybrid BBO-discrete Hopfield Neural Network
37. J Chitra, SN Deepa,Research Journal of Applied Sciences, Engineering and Technology 12 (3), 328-338,1,2016
38. ANALYSIS OF INTELLIGENT CONTROLLER FOR LIQUID LEVEL PROCESS,S Catherin, SN Deepa,2016
39. Deep neural network using new training strategy based forecasting method for wind speed and solar irradiance forecast,M Madhiarasan, SN Deepa,Middle-East Journal of Scientific Research 24 (12), 3730-3747,3,2016
40. EVOLUTIONARY ALGORITHMS FOR PID CONTROLLER DESIGN OF BOOST INVERTER IN PHOTOVOLTAIC APPLICATIONS,GSB Dhas, SN Deepa,Istanbul University-Journal Of Electrical And Electronics Engineering 2016

41. Comprehensive Study of Various Forecasting Techniques for Forecast of Wind Speed in the Field of Wind Energy System,M Madhiarasan, SN Deepa,TERI Information Digest on Energy and Environment 15 (4), 439-457,2,2016
42. An Efficient Hybrid Neural Network Model for Wind Speed Prediction,V Ranganayaki, SN Deepa,Asian Journal of Research in Social Sciences and Humanities 6 (10), 1998-2009,2016
43. New criteria for estimating the hidden layer neuron numbers for recursive radial basis function networks and its application in wind speed forecasting,M Madhiarasan, SN Deepa,Asian Journal of Information Technology 15 (21), 4377-4391,7,2016
44. Optimal Location of TCSC and SVC using Hybrid Fruit Fly Fire Fly Optimization Algorithm in Transmission System,N Avudayyappau, SN Deepa,Asian Journal of Information Technology 15 (16), 2863-2872,1,2016
45. Precisious Estimation of Solar Irradiance by Innovative Neural Network and Identify Exact Hidden Layer Nodes through Novel Deciding Standard,M Madhiarasan, SN Deepa,Asian Journal of Research in Social Sciences and Humanities 6 (12), 951-974,2,2016
46. ELMAN neural network with modified grey wolf optimizer for enhanced wind speed forecasting,M Madhiarasan, SN Deepa,Circuits and Systems 7 (10), 2975,11,2016
47. Performance investigation of six artificial neural networks for different time scale wind speed forecasting in three wind farms of coimbatore region,M Madhiarasan, SN Deepa,International Journal of Innovation and Scientific Research 23 (2), 380-411,8,2016
48. Optimization for pid control parameters on pitch control of aircraft dynamics based on tuning methods
49. G Sudha, SN Deepa,Applied Mathematics & Information Sciences 10 (1), 343,18,2016
50. An intelligent ensemble neural network model for wind speed prediction in renewable energy systems,V Ranganayaki, SN Deepa,The Scientific World Journal 2016,16,2016
51. Medical dataset classification: a machine learning paradigm integrating particle swarm optimization with extreme learning machine classifier,CV Subbulakshmi, SN Deepa,The Scientific World Journal, 2015,48,2015
52. Fuzzy logic based dynamic sliding mode control of boost inverter in photovoltaic application,B Goldvin Sugirtha Dhas, SN Deepa,Journal of Renewable and Sustainable Energy 7 (4), 043133,4,2015
53. Evolutionary learning of spiking neural networks towards quantification of 3D MRI brain tumor tissues,A Baladhandapani, DS Nachimuthu,Soft Computing 19 (7), 1803-1816,2,2015

54. Modeling and approximation of STOL aircraft longitudinal aerodynamic characteristics,SN Deepa, G Sudha,Journal of Aerospace Engineering 28 (2), 04014072,8,2015
55. Mitigating the power fluctuation of PMSG wind turbine in a microgrid by optimal usage of SMES with FCL using PID controller,M Pradeep, SN Deepa,Int. J. Trends Eng. Technol. 3 (2), 62-67,1,2015
56. Journal metrics,CV Subbulakshmi, SN Deepa, M Karthikeyan, TSR Raja, RM Alguliyev, The Scientific World Journal 2001 (2000),2015
57. Optimal Neural Network Models For Wind Speed Prediction,V Ranganayaki, SN Deepa,International Journal of Electrical Engineering & Technology 6 (7),2,2015
58. Imperialist Competitive Algorithm for minimization of losses by optimally locating FACTS controllers in power system,RJ Basha,Istanbul University-Journal of Electrical & Electronics Engineering ,4,2015