

Dr.S.N.Deepa
deepapsg@gmail.com
Associate Professor
Anna University Regional Campus,
Coimbatore: 641046.

“Optimized Fuzzy-Based Wavelet Neural Network Controller for a Non-Linear Process Control System”, SN Deepa, N Yogambal Jayalakshmi, 2021/1/6, IETE Journal of Research

“Network Energy Optimization of IOTs in Wireless Sensor Networks Using Capsule Neural Network Learning Model”, S Govindaraj, SN Deepa, 2020/12, Wireless Personal Communications, Volume-115, Issue-3, Pages:2415-2436, Springer US.

“Deep learning-based soft computing model for image classification application”, M Revathi, I Jasmine Selvakumari Jeya, SN Deepa, 2020/12, Soft Computing, Volume-24, Pages:18411-18430, Springer Berlin Heidelberg.

“The Mystery Curve: A Signal Processing Based Power Quality Disturbance Detection”, N Ramesh, S Deepa, P Vanaja Ranjan, 2020/9/29, IEEE Transactions on Industrial Electronics.

“Design of direct MRAC augmented with 2 DoF PID controller: An application to speed control of a servo plant”, R Rajesh, SN Deepa, 2020/7/1, Journal of King Saud University-Engineering Sciences, Volume-32, Issue-5, Pages:310-320, Elsevier.

“Improved Wind Speed Prediction Using Various Neural Network Models”, V Ranganayaki, SN Deepa, C Maheswari, 2020/5/2, International Journal of Electrical Engineering and Technology, Volume:11, Issue-2.

“Regulated Jordan—Elman Neural Network-Based Controller Model for Grid-Connected Wind Energy Conversion Systems”, SN Deepa, N Rajasingam, 2020, Advances in Smart Grid Technology, Pages:63-75, Springer, Singapore.

“New SVM kernel soft computing models for wind speed prediction in renewable energy applications”, Yogambal Jayalakshmi Natarajan, Deepa Subramaniam Nachimuthu, 2019/12/11, Soft Computing, Pages:1-18, Springer Berlin Heidelberg.

“Cost minimization in a MicroGrid connected with Wind and PV generations using a hybrid Cat Swarm optimization and micro Differential Evolution”, SN Deepa, Ravindran Selladurai, Chinnadurrai Chelladurrai, 2019/12/10, 2019 9th International Conference on Power and Energy Systems (ICPES), Pages:1-6, IEEE.

“Multi Objective Optimization for Sizing and Placement of Distributed Generators Using a Modified Ant Lion Optimizer Algorithm”, Chinnadurrai Chelladurrai, Ravindran Selladurai, SN Deepa, 2019/12/10, 2019 9th International Conference on Power and Energy Systems (ICPES), Pages:1-6, IEEE.

"Optimized nonlinear neural network architectural models for multistep wind speed forecasting", K Maruliya Begam, SN Deepa, 2019/9/1, Computers & Electrical Engineering, Volume:78, Pages:32-49, Pergamon.

"Fuzzy Echo State Neural Network with Differential Evolution Framework for Time Series Forecasting", Deepa Subramaniam Nachimuthu, S Govindaraj, Anand Tirupur Shanmuganathan, 2018/12/17, 2018 17th IEEE International Conference on Machine Learning and Applications (ICMLA), Pages:1322-1327, IEEE.

"Adaptive Regularized ELM and Improved VMD Method for Multi-step ahead Electricity Price Forecasting", SN Deepa, N Arulmozhi, B Gobu, P Kanimozhi, S Jaikumar, Aruldoss Albert Victoire Tangaradjou, 2018/12/17, 2018 17th IEEE International Conference on Machine Learning and Applications (ICMLA), Pages:1255-1260, IEEE.

"Optimized deep learning neural network predictive controller for continuous stirred tank reactor", SN Deepa, I Baranilingesan, 2018/10/1, Computers & Electrical Engineering, Volume:71, Pages:782-797, Pergamon.

"Momentum-based wavelet and double wavelet neural networks for power system applications", Subramaniam Nachimuthu Deepa, John Basha Rizwana, 2018/4/1, Neural Computing and Applications, Volume: 29, Issue: 7, Pages: 495-511, Springer London.

"A novel method to select hidden neurons in ELMAN neural network for wind speed prediction application", M Madhiarasan, SN Deepa, 2018, WSEAS Transactions On Power Systems, Volume: 13, Pages: 13-30.

"Comprehensive study on the effect of entropy encoding algorithms on medical image compression", MD Manigandan, S Deepa, 2018, International Research Journal of Engineering and Technology, Volume: 5, Issue: 4, Pages: 3460-3468.

"Svm based neuro fuzzy model for short term wind power forecasting", V Ranganayaki, SN Deepa, 2017/4/1, National Academy Science Letters, Volume: 40, Issue: 2, Pages: 131-134, Springer India.

"Minimization of losses and FACTS installation cost using proposed differential gravitational search algorithm optimization technique", SN Deepa, J Rizwana, 2017/2, Journal of Vibration and Control, Volume: 23, Issue: 2, Pages: 235-251, SAGE Publications.

"Lung cancer classification employing proposed real coded genetic algorithm based radial basis function neural network classifier", I Selvakumari Jeya, SN Deepa, 2016/11/30, Computational and Mathematical Methods in Medicine, Volume: 2016, Hindawi.

"A novel criterion to select hidden neuron numbers in improved back propagation networks for wind speed forecasting", M Madhiarasan, SN Deepa, 2016/6/1, Applied intelligence, Volume: 44, Issue: 4, Pages: 878-893, Springer US.