

## List of Publications

### Journal

1. P.Kanirajan & **V.Suresh Kumar**, 'A Wavelet Based Data Compression Technique for Power Quality Events Classification', **WSEAS Trans. on Power system**, 2015, vol.10, pp.82-88.
2. P.Kanirajan & **V.Suresh Kumar**, 'Wavelet-Based Power Quality Disturbances Detection and Classification Using RBFNN and Fuzzy Logic', **International Journal of Fuzzy Systems, Springer** (2015), Vol. 17, No. 4, pp.623-634.
3. P.Kanirajan & **V.Suresh Kumar**, Power Quality Disturbances Detection and Classification using Wavelet and RBFNN", **Elsevier - Applied Soft Computing**, 35(2015), pp. 470-481.
4. G. Sivasankar and **V. Suresh Kumar**, "Vector Control Based Dynamic Voltage Restorer for Fault Ride Through of Doubly Fed Induction Generator", **Power Electronics and Renewable Energy Systems, Lecture Notes in Electrical Engineering, Volume 326**, pp.1331-1338, **Springer India** 2015, Volume 326, pp.1331-1338, DOI 10.1007/978-81-322-2119-7\_129.
5. G. Sivasankar and **V. Suresh Kumar**, "Improving the Reliability of Wind Generators Using Dynamic Voltage Restorer" **Power Electronics and Renewable Energy Systems, Lecture Notes in Electrical Engineering, Volume 326**, pp. 101-109. **Springer India** 2015, DOI 10.1007/978-81-322-2119-7\_11, pp.101-110.
6. G. Sivasankar and **V. Suresh Kumar**, "Super capacitor energy storage based UPQC to enhance ride through capability of wind turbine generators" **Turkeys Journal of Electrical and Computer Sciences**, Vol. 23, Issue 6, 2015, pp. 167-1881.
7. R.M.Sasiraja, **V.Suresh Kumar**, S.Ponmani, "An elegant emergence of optimal siting and sizing of multiple distributed generators used for transmission congestion relief", **Turkeys Journal of Electrical and Computer Sciences**, Vol. 23, Issue 6, 2015, pp. 1882-1895.
8. A.S.S.Murugan and **V. Suresh Kumar**, "Determining true harmonic contributions of a sources using neural network", Accepted for publication in **Elsevier - Neurocomputing**, 173 (2016), pp. 72-80.
9. R.Karthika and **V.Suresh Kumar**, "An improved ABC algorithm based shunt active filter for non sinusoidal supply", **International Journal of Advanced Engineering Technology**, Vol. 7 (2), 2016, pp.153-162.
10. R.M.Sasiraja, K.Muthulaksmi, **V.Suresh Kumar**, T.Abinaya, "PSO based optimal distributed generation placement and capacity by considering harmonics limits", **Technical Gazette**, Vol. 24 (2), 2017, pp. 391-398.

11. T.Eswaran and **V.Suresh Kumar**, “Particle swarm optimization (PSO)-based tuning technique for PI controller for management of a distributed static synchronous compensator (DSTATCOM) for improved dynamic response and power quality”, **Elsevier – Journal Applied Research and Technology**, 15(2017), pp. 173-189.
12. R.Karthika and **V.Suresh Kumar**, “Artificial bee colony algorithm–based shunt active filter for sinusoidal supply and trapezoidal supply”, *Journal of Circuits, Systems and Computers*, Vol. 27 (1), 2018, pp.1-21. ISSN 0218-1266.
13. K.Kalaiselvi, P.Renuga and **V.Suresh Kumar**, “ELM-ANFIS Based Controller for Plug-In Electric Vehicle to Grid Integration”, **Technical Gazette**, Vol. 25 (1), May 2018, pp. 15-22. DOI: 10.17559/TV-20150209073924, ISSN 1330-3651(Print) ISSN 1848-6339 (Online).
14. K.Kalaiselvi, P.Renuga and **V.Suresh Kumar**, “CO<sub>2</sub> emission and cost reduction by integrating electric vehicles and wind energy systems with thermal power plant”, **Taylor & Francis-Journal of Energy Engineering**, Vol. 115, Issue 4, May 2018, pp. 10-22. DOI: 10.1080/01998595.2018.12016669, Print ISSN: 0199-8595 Online ISSN: 1546-0118.
15. N.Pandi Selvi and **V.Suresh Kumar**, “Multilevel converter for power quality improvement”, *Journal of Electrical Engineering*, Vol. 18 (4), Dec. 2018, pp. 297-302. ISSN 1582-4594.
16. P.Madasmy and **V.Suresh Kumar**, “A three-phase transformer less T-type-NPC-MLI for grid connected PV systems with common-mode leakage current mitigation”, **Energies**, Vol.12, Issue 12, June 2019, pp. 1-25, Doi.org/10.3390/en12122434 ISSN 1996-1073.
17. R.Karthika, **V.Suresh Kumar** and T.Eswaran, “Grey wolf optimization based PI controller to maintain constant dc link voltage for improving the performance of shunt active filter”, *Journal of Electrical Engineering*, Vol. 19 (3), June 2019, pp. 531-538. ISSN 1582-4594.
18. P.Madasamy, **V.Suresh Kumar**, Bharatiraja Chokkalingham, Sanjeevikumar Padmanaban \*, Lucian Mihet-Popa, Yusuff Adedayo, “A Modified High Voltage Gain Quasi-impedance Source Coupled Inductor Multilevel Inverter for Photovoltaic Application”, **Energies**, Vol.13, Issue 874, February 2020, pp. 1-31, Doi:10.3390/en13040874.