

Publications

Journal Papers:

1. Sanjay. Agrawal, Sandipan Patra, Soumya Ranjan Mohanty, Vineeta Agarwal and Malabika Basu, "Use of Matrix-Pencil Method for efficient islanding detection in Static DG and a parallel comparison with DWT method," in *IEEE Transactions on Industrial Electronics*. doi: 10.1109/TIE.2018.2878125
2. Sanjay Agrawal, Soumya R. Mohanty, Vineeta Agarwal, "Harmonics and inter harmonics estimation of DFIG based standalone wind power system by parametric techniques", *Journal of Electrical Power & Energy Systems*, Volume 67, 2015, Pages 52-65, ISSN 0142-0615, <https://doi.org/10.1016/j.ijepes.2014.11.014>.
3. Sanjay Agrawal, Soumya R. Mohanty & Vineeta Agarwal, "Bearing Fault Detection Using Hilbert and High Frequency Resolution Techniques", *IETE Journal of Research*, Volume 61, 2015 Issue 2, Pages 99-108, ISSN 0974-780X
DOI: 10.1080/03772063.2015.1009398
4. Sanjay Agrawal, Ashwani K. Chandel, Soumya R. Mohanty, Vineeta Agarwal. "Transformer Winding Fault Classification Based on Pattern Recognition Technique." *INTERNATIONAL REVIEW OF ELECTRICAL ENGINEERING-IREE*, Volume 7, 2012, Issue 6, Pages 6093-6103.

Research Article in International Magazines / Book Chapters:

Conference Proceedings:

1. V. P. Singh, S.K. Pandey, S. Agrawal, N. Singh, "Impact of Communication Delay on Load Frequency Control of Interconnected Power System", 5th IEEE Uttar Pradesh Section International Conference on Electrical, Electronics and Computer Engineering(UPCON), 2018
2. S. Patra, S. Agrawal, S. R. Mohanty, V. Agarwal and M. Basu, "ESPRIT based robust anti-islanding algorithm for grid-tied inverter," *2016 IEEE Students' Technology Symposium (TechSym)*, Kharagpur, 2016, pp. 90-95. doi: 10.1109/TechSym.2016.7872661
3. S. Agrawal, S. R. Mohanty and V. Agarwal, "Harmonics and interharmonics estimation of wind power plant using sliding window matrix pencil," *IECON 2015 - 41st Annual Conference of the IEEE Industrial Electronics Society*, Yokohama, 2015, pp. 004984-004989.
doi: 10.1109/IECON.2015.7392882
4. S. Agrawal, S. R. Mohanty and V. Agarwal, "Harmonics and interharmonics estimation of DFIG based standalone wind power plant," *2014 IEEE 23rd International Symposium on Industrial Electronics (ISIE)*, Istanbul, 2014, pp. 2601-2606. doi: 10.1109/ISIE.2014.6865030

5. S. Agrawal and A. K. Chandel, "Transformer incipient fault diagnosis based on probabilistic neural network," *2012 Students Conference on Engineering and Systems*, Allahabad, Uttar Pradesh, 2012, pp. 1-5.
doi: 10.1109/SCES.2012.6199110
6. R. K. Patel, S. Agrawal and N. C. Joshi, "Induction motor bearing fault identification using vibration measurement," *2012 Students Conference on Engineering and Systems*, Allahabad, Uttar Pradesh, 2012, pp. 1-5.
doi: 10.1109/SCES.2012.6199058