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Area of Specialization: Power Systems

Publications of Last Five Years:

1. R.Banupriya, R.Shivakumar and K.Krishnamoorthi, “ Design and Implementation of Crow search algorithm tuned MPPT controller for Grid connected PV system, Journal of Electrical Engineering, Vol.18, Edition1, pp.391-398, 2019.
2. K.S.Yamuna, R.Shivakumar , “ Performance analysis of Artificial Intelligent techniques based Rotor position estimation of SRM drive, Journal of Electrical Engineering, Vol.18, Edition 2, pp.366-374, 2018.
3. C.Santhakumar, R.Shivakumar and C.Bharatraja, ”A Pulse width modulation for PV connected Diode assisted Z source NPC- MLI to obtain High voltage Gain”, Journal of Electrical Engineering, Vol. 17, Edition 4, pp. 290-297, 2017.
4. K.S.Yamuna, R. Shivakumar, “Green Powered Intelligent Controller Driven Switched Reluctance Motor For Rural Irrigation System” International Journal for Ecology, Environment and Conservation, Volume 23, September suppl. issue, pp-271-275, 2017.
5. S. Sasikumar, K. Krishnamoorthi, R. Shivakumar , “ Design of bidirectional converter for battery operated applications using renewable energy systems” International Journal for Ecology, Environment and Conservation, Volume 23, September suppl. issue, pp-204-209, 2017.
6. G.Suresh, R. Shivakumar, K. Krishnamoorthi, ” “Stability Analysis Of Hybrid Thermal And Wind Energy System Using Modified Water Cycle Tuned Dual Input Controller” International Journal for Ecology, Environment and Conservation, , Volume 23, September suppl. issue, pp-276- 281,2017.
7. R.Sankarganesh, R.Shivakumar and S.Chandrasekar, “Study on Nano-Modified Mineral Oil Surface Discharge Partial Discharge Signal Characteristics for High Voltage Transformer Applications”, International Journal of Computational and Theoretical Nanoscience, Vol.14, Issue 4, pp. 1770-1777, April 2017. ISSN : 1546-1955.
8. P.Raja and Dr.R.Shivakumar (2017), “ Dual input power system stabilizer for multi machine infinite bus system using neuro fuzzy system”, International Journal of Engineering Research and Technology, Vol.6, Issue 4, pp. 583-587, April 2017.

9. R.Satheeshkumar and R.Shivakumar (2016), "Ant lion approach for load frequency control of multi area interconnected power systems", Circuits and Systems Journal, Vol. 7, No.9, pp. 2357-2383, July 2016.
10. R.Sankarganesh, R.Shivakumar and S.Chandrasekar (2016) "Analysis of partial discharge signal characteristics of Nano-mineral oil for transformer conditioning monitoring applications, " Asian Journal of Research in Social sciences and Humanities, Volume 6, No.7, pp 341-357, July 2016.
11. K.Kannan, R.Shivakumar and S.Chandrasekar (2016) "A Random Forest Model Based Pollution Severity Classification Scheme of High Voltage Transmission Line Insulators" Journal of Electrical Engineering & Technology, Volume 11 Number 4, pp 951-960, July 2016.
12. R.Shivakumar and P.Gopinath (2016), "A Review of Various Feature Extraction Methods On Finger Vein Images", International Journal of Advanced Research trends in Engineering and Technology , Vol.3, Issue 2, pp.1060-1063, March 2016.
13. R.Shivakumar and M.Rangarajan (2016), "Small signal stability analysis of power system network using water cycle optimizer", International Journal of Emerging Technology in Computer science and Electronics, Vol.20, Issue 2, pp.297-302, Feb 2016