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Publications-journal

1. **R.Shivakumar**, D.Hepsiba, L.D.Vijayanand, C.Pavithra, K.S.Yamuna and K.Vinothkumar, "Performance analysis of QZSI for PV integrated grid system", International Journal of Advanced Trends in Computer Science and Engineering, Vol.9, No.5, pp.7731-7735, 2020. (**SCOPUS** indexed)
2. **R.Shivakumar**,S.Sowranchana,M.Sugumaran, "Stability improvement in multimachine power systems using nature inspired algorithms", Test Engineering and Management, Vol.83, pp.10659-10668, 2020. (**SCOPUS** indexed)
3. P.Rajakumar, M.Senthilkumar and **R.Shivakumar**,"Optimal Location and Sizing of Renewable Energy Based Distributed Generation Units in a Radial Distribution Power Network using Ant Lion Optimization Algorithm, Journal of Electrical Engineering, Vol.20, No.1, pp.154-165, 2020.
4. **R.Shivakumar**,S.Sowranchana,M.Sugumaran, "Stability improvement in multimachine power systems using nature inspired algorithms", International Journal of Advanced Science and Technology, Vol.29, No.10s, pp.6407-6418,2020.
5. 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, 2018. <http://jee.ro/articles/WB1503041481W599697c9745fb.pdf>
6. 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. <http://jee.ro/articles/WZ1509107548W59f3275cc7d25.pdf>
7. 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. <http://jee.ro/articles/WV1484300103W58789f47cbc90.pdf>
8. 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. (**SCOPUS**)
9. 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. (**SCOPUS**)
10. 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.(SCOPUS)

11. V.M.Periasamy, **R.Shivakumar** and P.Selvakumar, "Modelling and simulation of solar and wind energy input DC-DC converter based BLDC motor drive for water pumping system", International Journal of Advanced Research Trends in Engineering and Technology, Vol.4, No.9, pp. 41-46,2017.
12. 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.
13. 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.
14. 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.
15. 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.
16. 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. (SCI indexed)
17. **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.
18. **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.
19. **R.Shivakumar** and S.Laksana (2015), 'Small signal stability enhancement using BAT algorithm tuned controller in typical power network", International Journal of Applied Engineering research- Special Issue, Vol. 10, No.9, pp. 7323-7328, 2015.
20. **R.Shivakumar** and M.Kalanidhi (2015), 'An enhancement in power transfer limits using PV- STATCOM in hybrid transmission system ", International Journal of Applied Engineering research- Special Issue, Vol. 10, No.9, pp. 7373-7376.