

# List of Publications

## Journal Publications

### i. SCI & Scopus Indexed Journals:

1. A. V. Pavan Kumar, Alivelu M. Parimi, K. Uma Rao, "Tie-Line Frequency Bias Control of Two-Area PV-WIND Hybrid Power System for Micro Grid Application", UPB Scientific Bulletin, Series C: Electrical Engineering and Computer Science, Vol. 80, Iss. 1, pg no. 217-230, 2018. ISSN 2286-3540 . (Emerging Sources Citation Index & Scopus )
2. A. V. Pavan Kumar, Alivelu M. Parimi, K. Uma Rao, "Performance analysis of FLC controlled PV-Wind hybrid power system for dc load with real-time data in MATLAB, Simulink", Journal of Electrical and Electronics Engineering, Vol. 10, nr. 1, 15 - 20 May 2017, E-ISSN: 2067-2128, P-ISSN: 1844-6035 (Scopus Indexed)
3. A. V. Pavan Kumar, Alivelu M. Parimi, K. Uma Rao, "A Discrete PLL based Load Frequency Control of FLC based PV-Wind Hybrid power system With Real Time Data", International Journal of Power Electronics and Drive Systems (IJPEDS). 7, no. 4 (2016): 1320-1329, ISSN: 2088-8694, DOI:<http://dx.doi.org/10.11591/ijpeds.v7.i4.pp1320-1329> (Scopus Indexed)

### ii. Other indexed Journals:

1. A. V. Pavan Kumar, Alivelu M. Parimi, K. Uma Rao, "Solar Illumination And Wind Speed Prediction: The Relative Prospects and Potential outcomes", *Journal of Electrical Engineering*, 17, no. 1.35 (2017): 287 - 294.
2. A. V. Pavan Kumar, Alivelu M. Parimi, K. Uma Rao, "Digital Simulation of Voltage Regulated Inverter for FLC Controlled Autonomous PV-Wind Hybrid Power System", *Journal of Electrical Engineering*, 17, no.2.41 (2017): 323-331.

## Conference Publications

1. A.V. Pavan Kumar, Parimi, A.M., Uma Rao, K., "Performance Analysis of a Two-Diode model of PV cell for PV based generation in MATLAB," 2014 **IEEE** International Conference on Advanced Communication Control and Computing Technologies (ICACCCT), pp.68-72, 8-10 May 2014. doi: 10.1109/ICACCCT.2014.7019191.
2. A.V. Pavan Kumar, Parimi, A.M., Rao, K.U., "Implementation of MPPT control using fuzzy logic in solar-wind hybrid power system," 2015 **IEEE** International Conference on Signal Processing, Informatics, Communication and Energy Systems (SPICES), pp.1-5, 19-21 Feb. 2015 doi: 10.1109/SPICES.2015.7091364.
3. A.V. Pavan Kumar ; Parimi, A.M.; Rao, K.U., "Investigation of small PMSG based wind turbine for variable wind speed," 2015 **IEEE** International Conference on Recent Developments in Control, Automation and Power Engineering (RDCAPE), pp.107-112, 12-13 March 2015 doi: 10.1109/RDCAPE.2015.7281378.
4. A. V. Pavan Kumar, Alivelu M. Parimi, K. Uma Rao, "Performance Analysis of Voltage Regulated Inverter for PV-Wind Hybrid Power System With Real Time Data", **IEEE** International Conference

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- on Emerging Trends in Engineering, Technology and Science (ICETETS-2016), Pudukkottai, India, 2016, pp. 1-8. doi: 10.1109/ICETETS.2016.7603079.
5. A. V. Pavan Kumar, Aivelu M. Parimi, K. Uma Rao, "A Comparative Analysis of Load Frequency Control Strategy of a Voltage Source Inverter for A Stand-alone PV-Wind Hybrid System", 6th **IEEE** International Conference on Power Systems (ICPS), IIT Delhi, New Delhi, India, pp. 1-6, 4-6 March 2016, doi:10.1109/ICPES.2016.7584130.