

Dr. M. Chandramouly

Email: chandramouly.m@kaveri.edu.in

Google Scholar: <https://scholar.google.com/citations?user=J8l3AsQAAAAJ&hl=en&oi=ao>

PUBLICATIONS:

1. **Mergu Chandramouly** and A. Raghuram “Performance Analysis of Photovoltaic generation system” International journal Helix the Scientific Explorer, Helix Vol. 8(3):3373-3376. DOI: 10.29042/2018-3373-3376.
2. **Mergu Chandramouly** and A. Raghuram “A Review on Importance of Solar Wind Hybrid Energy Systems”, International Journal of Computational Engineering Research (IJCER), Vol. 07 - Issue 11 (November - 2017), *ISSN (e): 2250-3005*, pp.54-58
3. **Mergu Chandramouly** and A. Raghuram “Introduction to Solar-Wind Hybrid Energy Systems”, Institute for scientific and Engineering Research (ISER), International Conference on Electrical Electronics and Communication (ICEEC-2017). *ISBN: 9788192958061*, pp. 59-63.
4. **Mergu Chandramouly** and A. Raghuram “Solar-Wind Hybrid Electrical Power System” NeuroQuantology Journal Vol.(15)Issue(2), pp.001-006 DOI: <http://dx.doi.org/10.21172/1.152.01> e-ISSN:2278-621X
5. **Mergu Chandramouly** and A. Raghuram “Simulation and Experimental Analysis of PMSG based Wind Energy Conversion System.” International Journal, Vol. 20, Issue 15. pp.5855-5861, DOI: 10.48047/NQ.2022.20.15.NQ88590, ISSN: 1303-5150
6. **Mergu Chandramouly** and A. Raghuram “Performance of Hybrid Solar-Wind Energy Generating System-Prototype Model” International Journal of Engineering Research in Electrical and Electronic Engineering (IJEREEE) Vol 3, Issue 12, December 2017, ISSN (Online) 2395-2717.
7. **Mergu Chandramouly** and A. Raghuram “Introduction to Solar Wind Hybrid Energy Systems” YMERDigital, Vol. 21: Issue 12 (Dec)–2022, pp. 1779- 1793, ISSN: 0044-0477, DOI:10.37896/YMER21.12/E7.
8. M. Pradeep Kumar, S. Sirisha, **M. Chandramouly** “Design of PMSM based on DTC Method with MRAS ",International Journal of Engineering Research and Application (IJERA), Vol. 3, Issue 5, Sep-Oct 2013, pp.01-05, www.ijera.com
9. Cheekati Sushmasree, Raghuram Alla, **Chandramouly Mergu** “ Power Quality Improvement in Utility Grid Integrated with Solar PV Plant by Employing an Adaptive Current Regulator ” , Journal of Harbin Engineering University, Vol 45 No. 7, July 2024.

PROFESSIONAL MEMBERSHIP

1. Member of Indian Science Congress
2. Member Institution of Engineers India (IEI)

Awards/ Fellowships:	1. Merit Scholarship – 2004- Government of Andhra Pradesh 2. MHRD-UGC-RGNF Fellowship -2015- Government of India.
Research Projects Involved:	TEQIP-III Sponsored Hybrid Wind Solar Energy System.
Patents Grant	HYBRID RENEWABLE ENERGY SYSTEM FOR STANDALONE APPLICATIONS
Theory Subjects Taught:	Basic Electrical Engineering, Electrical Circuits, Renewable Energy Sources, Energy Storage systems, Solar Photovoltaic Systems.
Labs conducted	Basic Electrical and Electronics Engineering lab, Electrical Circuits, Electrical Machines Laboratory.
Areas of Interest	Renewable Energy, Effective use of Energy Systems, Control system and Electrical circuits.