

RESEARCH PUBLICATIONS

2019

1. G. Madhusudanan, **Namani Rakesh**, S. Senthil Kumar, and S. Sarojini Mary; “Solar Photovoltaic Array Reconfiguration using Magic Su-Do-Ku algorithm for Maximum Power Production under Partial Shading Conditions”; **Taylor & Francis- International Journal of Ambient Energy**, pp. 1-24, **2019**. DOI: 10.1080/01430750.2019.1691654
2. **Namani Rakesh**, S. Senthil Kumar, and G. Madhusudanan; “Mitigation of power mismatch losses and wiring line losses of partially shaded solar PV array using Improved Magic Technique”; **IET-Renewable Power Generation**, 13, (9), pp. 1522-1532, **2019**. DOI: 10.1049/iet-rpg.2018.5927.

2018

1. D. Rishikesh, **Namani Rakesh**, Udugula Malavya; “A New technique to extract maximum power from wind turbine”; **IEEE National Power System Conference (NPSC)**, Tiruchirappalli, pp. 1-6, 14th -16th December, **2018**.
2. Md. Mehr Ali, K. Devi Supriya, **Namani Rakesh**, U. Malavya; “Design, Development and Testing of Solar Iron Box”; **IEEE International Conference on Innovative Technologies in Engineering (ICITE)**, Hyderabad, pp. 1-5, 11th -13th April, **2018**.
3. K. Ajith, **Namani Rakesh**, M. Srinivas and K. Aravind; “Solar Powered Water Pumping Using BLDC Motor Drive with Boost-Buck converter for Telangana State”; **IEEE International Conference on Innovative Technologies in Engineering (ICITE)**, Hyderabad, pp. 1-6, 11th -13th April, **2018**.

2017

1. **Namani Rakesh**, Udugula Malavya; “Maximizing the Power Output of Partially Shaded Solar PV Array using Novel Interconnection Method”; **IEEE International Conference on Innovative Mechanisms for Industry Applications (ICIMIA)**, Bangalore, pp. 1-5, 21st -23rd February, **2017**.
2. **Namani Rakesh**, T. Santosh, Udugula Malavya and D. Rishikesh; “Battery Management System for Solar PV Panel”; **IEEE International Conference on Innovative Mechanisms for Industry Applications (ICIMIA)**, Bangalore, pp. 1-5, 21st -23rd February, **2017**.

2016

1. Sarojini M S, **Rakesh Namani**, and Senthil Kumar S; “Power Enhancement of Partially Shaded PV Arrays through Shade dispersion using Magic Square configuration”; **Journal of Renewable and sustainable energy- American Institute of Physics**, Vol. 8, 063503, pp. 1-26, **2016**. DOI: 10.1063/1.4972285.

2015

1. **Namani Rakesh** and Venkata Madhavaram.T; “Performance Enhancement of Partially Shaded Solar PV Array using Novel Shade Dispersion Technique”; **Frontiers in Energy** with **Springer** Publications, Vol. 10, No.2, pp. 227-239, **2015**, DOI:10.1007/s11708-016-0405-0405-y.
2. **Namani Rakesh**, Venkata Madhavaram.T, K. Ajith, G. Rajendra Naik and P. Nagarjun Reddy; “A New Technique to Enhance Output Power from Solar PV Array under Different Partial Shaded Conditions”; **IEEE International Conference on Electron Devices and Solid State Circuits**, Singapore, pp. 345-348, 1st -4th June, **2015**.

2014

1. A.Vamshi Kumar, K. Ajith, P. Nagarjuna Reddy , G. Rajendra Naik, **Namani Rakesh**; “Improved power quality control strategy for distributed generation systems”; **IEEE International Conference on Smart Electric Grid**, Guntur, pp. 1-6, **2014**.
2. **Namani Rakesh**, A. Nitya and C. Gautham Kumar; “Modelling and Simulation of the Wind Energy Electric Conversion System to Extract The Maximum Power From the Wind Using MATLAB”; **IEEE International Conference on Magnetics, Machines & Drives (AICERA-2014 iCMMD)**, Kearala, pp. 1-6, 24th -26th July, **2014**.

2013

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2012

1. S. Senthil Kumar, N. Kumaresan, N. Ammasai Gounden, **Namani Rakesh**; “Analysis and control of wind-driven self-excited induction generators connected to the grid through power converters”; **Frontiers in Energy** with **Springer** Publications, Front. Energy, 6(4), pp.403–412, **2012**, DOI:10.1007/s11708-012-0208-8.
2. S. Senthilkumar, N. Kumaresan, **Namani Rakesh**, K. Vijayakumar and M. Subbiah; “Wind-Driven SEIGs for Supplying Isolated Loads Employing DSP Based Power Electronic Controllers”; **International Journal of Wind Engineering**, Vol. 36, No. 6, pp. 739-758, **2012**.
3. **Namani Rakesh**, N. Kumaresan, S. Senthil Kumar and M.Subbiah; “Performance Predetermination of variable speed wind-driven Grid connected SEIGs”; **IEEE International Conference on Power Electronics, Drives and Energy Systems**, Bangalore, pp. 1-6, 16th -19th December, **2012**.

4. **Namani Rakesh**, N. Kumaresan, S. Senthil Kumar and M.Subbiah; “Major methods of steady state analysis of Three phase SEIGs-A Summary”; **IEEE** International Conference on Sustainable Energy Technologies, Nepal, pp. 415-419, **2012**.

2011

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2010

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