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Area of specialization

- Power Electronics and Renewable Energy Sources.
- Power Electronics and drives.

Publications

International Journals: 36

1. T. Arunkumari, V. Indragandhi “An overview of high voltage conversion ratio DC- DC converter configurations used in DC micro-grid architectures”, Renewable and Sustainable Energy Reviews, Vol. 77 ,pp.670–687,2017,**Elsevier (Impact factor: 10.556)**.
2. Indragandhi, V, Subramaniaswamy, V& Logesh R –Resources, configurations, and soft computing techniques for power management and control of PV/wind hybrid system Renewable and Sustainable Energy Reviews, Vol. 69, pp. 129-143, 2017. **Elsevier, (Impact factor: 10.556)**.
3. Ashok Kumar L ; **Indragandhi V** ; Sujith Kumar N Design and implementation of single phase inverter without transformer for PV applications, **IET Renewable Power Generation**, 2018, Vol. 12 Iss. 5, pp. 547-554 (**Impact factor: 3.605**).
4. **V.Indragandhi**, Logesh R, Subramaniaswamy V, Vijayakumar V, Patrick Siarry, Lorna Uden –Multi-Objective Optimization and Energy Management in Renewable based AC/DC Microgrid Computer and Electrical Engineering, **Elsevier**, Volume 70, August 2018, Pages 179-198 .(**Impact factor: 2.189**).
5. R. Logesh , V. Subramaniaswamy , V. Vijayakumar , Xiao-Zhi Gao , V. Indragandhi –A hybrid quantum-induced swarm intelligence clustering for the urban trip recommendation in smart city Future Generation Computer Systems, **Elsevier, (Impact factor: 5.768)**. Vol .83,653-673,2018.
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10. Rameshkumar K, Indragandhi V, Sanjeevikumar P -Design and prototyping of single-phase shunt active power filter for harmonics elimination using model predictive current control|| International Transactions on Electrical Energy Systems,2019. **(Impact factor: 1.5)**
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12. Kanagavel, R., Vairavasundaram, I. -FPGA implementation and investigation of hybrid artificial Bee colony algorithm-based single-phase shunt active filter, Comptes Rendus de L'Academie Bulgare des Sciences, 2020, 73(5), pp. 703-711. **(Impact factor: 0.666)**
13. K. Rameshkumar, V. Indragandhi, A. Sakthivel and K. Palanisamy -FPGA implementation and analysis of model predictive current control for three-phase voltage source inverter|| Int. J. Power Electronics, Vol. 9, No. 1, 2018
14. Sreejith,S, Indragandhi,V, Dahanalakshmi, S, Muruganandham,M, -Security Constraint Unit Commitment on combined solar thermal generating units using ABC Algorithm|| International Journal of Renewable Energy Research, Vol.6, No.4, 2016.
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