

LIST OF PUBLICATIONS

INTERNATIONAL JOURNALS

1. P. Rosayyan, Senthilkumar **Subramaniam** Senthilkumar and S. I. Ganesan, (2020) "Decentralized Emergency Service Vehicle Pre-Emption System Using RF Communication and GNSS-Based Geo-Fencing," in IEEE Transactions on Intelligent Transportation Systems, doi: 10.1109/TITS.2020.3007671.
2. Malakondareddy B, **Subramaniam Senthil Kumar** Dr, Ammasai Gounden N, Anand I, (2020) "An effective power tracking algorithm for partially shaded solar PV array employing micro converters feeding to DC microgrid" Periodica Polytechnica Electrical Engineering and Computer Science -- **Accepted for publication**
3. Akbarali, M. **Subramaniam** Senthilkumar, S. K., & Natarajan, K. (2020). Modeling, analysis, and control of wind-driven induction generators supplying DC loads under various operating conditions. Wind Engineering. (2020) <https://doi.org/10.1177/0309524X20925398>
4. Mahaboob Subahani Akbarali, **Subramaniam Senthilkumar** & Kumaresan Natarajan " Application of CS-PWM rectifier for the operation and control of wind-driven generators" Energy Sources, Part A: Recovery, Utilization, and Environmental Effects, (2020), <https://doi.org/10.1080/15567036.2020.1778140>
5. Vandavasi Harikrishna, Ramachandran Gunabalan, **Subramaniam Senthil Kumar**, "Pulse width modulation converter for light-emitting diode tube light applications" International Transactions on Electrical Energy Systems, (2020); DOI:10.1002/2050-7038.12294
6. B Malakondareddy, **Subramaniam Senthilkumar**, Gounder Ammasai Gounden Nanjappa, Anand I, N Babu "Dynamic performance enhancement of Grid-tied PV system under abnormal grid conditions employing an effective peak current limiting control strategy" International Transactions on Electrical Energy Systems, (2020); DOI:10.1002/2050-7038.12542.
7. Malakondareddy, B., **Subramaniam Senthilkumar.**, Ammasai Gounden, N., & Anand, I. (2019). An adaptive PI control scheme to balance the neutral-point voltage in a solar PV fed grid-connected neutral point clamped inverter. International Journal of Electrical Power and Energy Systems, 110, 318-331.
8. G. Madhusudanan, Namani Rakesh, **Subramaniam 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.
9. Namani Rakesh, **Subramaniam Senthil Kumar**, G. Madhusudanan; “Mitigation of power mismatch losses and wiring line losses of partially shaded solar PV array using Improvised Magic Technique”; IET-Renewable Power Generation, 13, (9), pp. 1522-1532, 2019. DOI: 10.1049/iet-rpg.2018.5927.
 10. Gurusamy Madhusudanan, **Subramaniam Senthilkumar**, I. Anand, and Padmanaban Sanjeevikumar “A shade dispersion scheme using Latin square arrangement to enhance power production in a Solar photovoltaic array under partial shading conditions ”. Journal of Renewable and Sustainable Energy 10, 053506 (2018)
 11. Akbarali, M.S., **Subramaniam Senthil Kumar**. & Natarajan, K. J. "Real and Reactive Power Control of SEIG Systems for Supplying Isolated DC Loads" Inst. Eng. India Ser. B (2018). [https://doi.org/10.1007/s40031-018-0350-](https://doi.org/10.1007/s40031-018-0350-0)
 12. Anand, I., Agarwal, D., **Subramaniam Senthilkumar**, S. et al. A Dynamic Load Controller for a Standalone Solar PV System Employing a Dual Input/Output Biphasic dc–dc Converter. J Control Autom Electr Syst **30**, 812–821 (2019). <https://doi.org/10.1007/s40313-019-00488-5>
 13. Anand I, **Subramaniam Senthilkumar Subramaniam**; Dipankar Biswas; Kaliamoorthy M "Dynamic Power Management System employing single-stage Power Converter for Standalone Solar PV Applications " IEEE Transactions on Power Electronics - DOI: 10.1109/TPEL.2018.2804658 - 2108
 14. K. Arthishri, K. Anusha, N. Kumaresan and **Subramaniam Senthil Kumar**, “Simplified methods for the analysis of self-excited induction generators”, IET Electr. Power Appl., Vol.11, Issue. 9, 2017, pp.1636-1644. (SCIE indexed: Print ISSN: 1751-8660 and Online ISSN 1751-8679).
 15. Sumedha Mahajan, **Senthil Kumar Subramaniam**, Kumaresan Natarajan, Ammasai Gounden Nanjappa Gounder, Devendra Varma Borru, “Analysis and control of induction generator supplying stand-alone AC loads employing a Matrix Converter” Engineering Science and Technology, an International Journal, Vol.20, issue.2, April 2017, pp.649-661. (ISSN: 2215-0986)
 16. S. M. Mahajan, **Subramaniam Senthil Kumar**, N. Kumaresan, N. G. Ammasai Gounden, and E. Rajkumar, "Decoupled control strategy for the operation of capacitor-excited induction generator for DC power applications," in IET Power Electronics, vol. 9, no. 13, pp. 2551-2561, October 2016.
 17. Sarojini Mary Samikannu , Rakesh Namani , and **Subramaniam Senthil Kumar** "Power enhancement of partially shaded PV arrays through shade

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 19. **Subramaniam Senthil Kumar**, Natarajan Kumaresan, Muthiah Subbiah, "Analysis and control of capacitor-excited induction generators connected to a micro-grid through power electronic converters", IET-Generation, Transmission and Distribution, Vol.9, No.10, February 2015, pg.911–920.
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 21. **Subramaniam 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, Springer - Vol.6, issue.4, 2012, pp. 403–412.
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 23. J. Chelladurai, G. Saravana Ilango, C. Nagamani, and **Subramaniam Senthil Kumar** "Investigation of Various PWM Techniques for Shunt Active Filter" International Journal of Electrical Systems Science and Engineering Vol. 1 No. 02 , pp. 1-7.
 24. **Subramaniam Senthil Kumar**, S. Moorthi and K. Lakshmi Narayana "Investigation of Various PWM Techniques for Solar Powered Three-Phase UPS Inverter Application" The IUP Journal of Electrical & Electronics Engineering, Vol. V, No. 1, January 2012, pp. 29-41.
 25. M. Kaliamoorthy, B. Ramireddy, B. Saravanan, **Subramaniam Senthil Kumar**, "A Novel Carrier for Sinusoidal Pulse Width Modulation Based Full Bridge Inverter", i-manager's Journal on Electrical Engineering, Vol.1, No.2, dec.2007, pp. 64-69.

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5. Namani Rakesh, N. Kumaresan, **S. Senthil Kumar** and M. Subbiah, "Performance predetermination of variable speed wind-driven grid-connected SEIGs", Proceedings of the IEEE International Conference on Power Electronics, Drives and Energy Systems (PEDES 2012), 16th – 19th December 2012, Bengaluru, India.
6. **S. Senthil Kumar**, N. Kumaresan, and T. Karthikeyan, "A Simple Analog Voltage Controller for Three-Phase Single Switch Boost Rectifier", Proceedings of 10th International Conference on Environment and Electrical Engineering (EEEIC- 2011), 8-11, May 2011, Rome, Italy.
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2. **S. Senthil Kumar** and S. Sampath Kumar, “Fuzzy Logic Based Sensorless Direct Torque Control Of Induction Motor Drive” National Conference on Power Electronics And Intelligent Control March 17-18, 2007, Malaviya National Institute of Technology, Jaipur-302017, India.
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