

## **INTERNATIONAL JOURNALS:**

1. P. Rosayyan, **S. Subramaniam** 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, **Senthil Kumar S**, Dr, AmmasaiGounden N, Anand I, (2020) "An effective power tracking algorithm for partially shaded solar PV array employing micro converters feeding to DC microgrid" PeriodicaPolytechnica Electrical Engineering and Computer Science -- **Accepted for publication**
3. Akbarali, M. S., **Subramaniam, 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. MahaboobSubahaniAkbarali, **SenthilkumarSubramaniam** & 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. VandavasiHarikrishna, Ramachandran Gunabalan, **SubramaniamSenthil 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, **S Senthilkumar**, Gounder AmmasaiGoundenNanjappa, 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., **Senthilkumar, S.**, AmmasaiGounden, 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, **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.
9. Namani Rakesh, **S. 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. GurusamyMadhusudanan, **SubramaniamSenthilkumar**, 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, S.K.** & 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->
  12. Anand, I., Agarwal, D., 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, **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 **S. 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, AmmasaiGoundenNanjappaGounder, 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, **S. Senthil Kumar**, N. Kumaresan, N. G. AmmasaiGounden, 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 **Senthil Kumar Subramaniam** "Power enhancement of partially shaded PV arrays through shade dispersion using magic square configuration" J. Renewable Sustainable Energy, Vol.8. No.06 December 2016; doi: 10.1063/1.4972285
  18. Samikannu Sarojini Mary, **Subramaniam Senthil Kumar**, Syam Prasad Poluru & Maddikara Jaya Bharata Reddy, "A Dual DC Output Power Supply for a Stand-alone Photovoltaic System", Electric Power Components and Systems, Taylor and Francis, 2015, 43:8-10, 939-950, DOI: 10.1080/15325008.2015.1012769.
  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.

## **INTERNATIONAL CONFERENCES:**

1. Behera, D. K., Anand, I., Reddy, B. M., & **Senthilkumar, S.** (2018) A Robust Power Control Scheme for a Dual-Input Single-Output converter with a Standalone Solar PV System. Proceedings of IEEE International Conference on Power Electronics, Drives and Energy Systems (PEDES) December, 2018, Chennai.
2. Agarwal, D., Dash, D., Dalai, S. S., Anand, I., & **Subramaniam, S.** (2018). A power flow controller for a Standalone solar PV system employing a three al Power Systems Conference (NPSC), December, 2018 . IEEE.
3. D. K. Behera, I. Anand, B. Malakonda Reddy, and **S. Senthilkumar**, "A Novel Control Scheme for a Standalone Solar PV System Employing a Multiport DC-DC Converter," 2018 9<sup>th</sup> International Conference on Computing, Communication and Networking Technologies (ICCCNT), Bengaluru, India, 10 - 12 July 2018, pp. 1-6. doi: 10.1109/ICCCNT.2018.8494101
4. Namani Rakesh, N. Kumaresan, **S. Senthil Kumar** and M. Subbiah, "Major methods of steady-state analysis of three-phase SEIGs-A summary", Proceedings of the 3<sup>rd</sup> IEEE International Conference on Sustainable Energy Technologies (IEEE ICSET 2012), 24<sup>th</sup> – 27<sup>th</sup> September 2012, Kathmandu, Nepal, pp. 415-419.
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), 16<sup>th</sup> – 19<sup>th</sup> December 2012, Bengaluru, India.

## **NATIONAL CONFERENCES:**

1. A.MaryBeula , S.Mageshwari and **S.Senthil Kumar**, "Simplified Topology For Single-Phase To Three-Phase Conversion For Induction Motor Drive Using A Single-Phase Half-Bridge PWM Boost Rectifier And A Three-Leg Inverter" National Conference on Electrical Engineering and Embedded Systems. March 20<sup>th</sup> and 21<sup>st</sup> 2008, Anna University, Chennai, India.
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.
3. **S. Senthil Kumar** and S. SampathKumar,"Reduction Of Ripples And Flux Droop In Sensorless Direct Torque Controlled Induction Motor " National Conference on Power Electronics And Intelligent Control March 17-18, 2007, Malaviya National Institute of Technology, Jaipur-302017, India.