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**List of Publication for Past 5 Years:**

S.No	Title	Year
1	<a href="#">Design and implementation of a current controlled grid connected inverter for thermoelectric generator sources.</a> B Bijukumar, GS Ilango, C Nagamani Sadhana 45 (1)	2020
2	<a href="#">Adaptability of grid connected PV inverters with thermoelectric generator as power source: a performance comparison</a> B Bijukumar, AGK Raam, Saravana Ilango Ganesan, C Nagamani IET Power Electronics 13 (5), 981-990	2019
3	<a href="#">A Simple Voltage Modulator Scheme for Torque Ripple Minimization in a Permanent Magnet Brushless DC Motor</a> RK Achary, S Durgaprasanth, C Nagamani, Saravana Ilango Ganesan IEEE Transactions on Power Electronics 35 (3), 2809-2818	2019
4	<a href="#">An improved control for simultaneous sag/swell mitigation and reactive power support in a grid-connected wind farm with DVR</a> S Priyavarthini, C Nagamani, Saravana Ilango Ganesan, MAA Rani International Journal of Electrical Power & Energy Systems 101, 38-49	2018
5	<a href="#">PV-fed DVR for simultaneous real power injection and sag/swell mitigation in a wind farm</a> S Priyavarthini, AC Kathiresan, C Nagamani, Saravana Ilango Ganesan IET Power Electronics 11 (14), 2385-2395	2018
6	<a href="#">Enhanced Power Output from the PV with Low Input Ripple DC-DC Converter</a> C Venkatesan, C Manickam, MJB Reddy, Saravana Ilango Ganesan, N Chilakapati Electric Power Components and Systems 46 (11-12), 1288-1299	2018
7	<a href="#">A linear extrapolation-based MPPT algorithm for thermoelectric generators under dynamically varying temperature conditions</a> B Bijukumar, AGK Raam, Saravana Ilango Ganesan, C Nagamani IEEE Transactions on Energy Conversion 33 (4), 1641-1649	2018
8	<a href="#">MPPT algorithm for thermoelectric generators based on parabolic extrapolation</a> B Bijukumar, AGK Raam, Saravana Ilango Ganesan, C Nagamani, MJB Reddy IET Generation, Transmission & Distribution 13 (6), 821-828	2018
9	<a href="#">Online fault detection and diagnosis in photovoltaic systems using wavelet packets</a> BP Kumar, Saravana Ilango Ganesan, MJB Reddy, N Chilakapati IEEE Journal of Photovoltaics 8 (1), 257-265	2017
10	<a href="#">An improved algorithm for direct computation of optimal voltage and frequency for induction motors</a>	2017

	MP Sruthi, C Nagamani, Saravana Ilango Ganesan Engineering science and technology, an international journal 20 (5), 1439-1449	
11	<a href="#">A control strategy to enhance the life time of the battery in a stand-alone PV system with DC loads</a> L Maheswari, PS Rao, N Sivakumaran, Saravana Ilango Ganesan, C Nagamani IET Power Electronics 10 (9), 1087-1094	2017
12	<a href="#">Performance evaluation of type-3 pll's under wide variation in input voltage and frequency</a> CK Aravind, BI Rani, C Manickam, JM Guerrero, Saravana Ilango Ganesan IEEE Journal of Emerging and Selected Topics in Power Electronics 5 (3), 971-981	2017
13	<a href="#">Sensor-less estimation of rotor position in a doubly fed induction machine</a> Saravana Ilango Ganesan, C Nagamani, MAA Rani, MJB Reddy, A Karthikeyan Handbook of Distributed Generation, 171-204	2017
14	<a href="#">Efficient global maximum power point tracking technique for a partially shaded photovoltaic string</a> C Manickam, GP Raman, GR Raman, Saravana Ilango Ganesan, N Chilakapati IET Power Electronics 9 (14), 2637-2644	2016
15	<a href="#">Compensation of magnetizing current for enhanced operation of DFIG under grid unbalance</a> MAA Rani, C Nagamani, Saravana Ilango Ganesan IEEE Transactions on Power Electronics 32 (7), 5214-5226	2016
16	<a href="#">Fireworks enriched P&amp;O algorithm for GMPPT and detection of partial shading in PV systems</a> C Manickam, GP Raman, GR Raman, Saravana Ilango Ganesan, N Chilakapati IEEE Transactions on Power Electronics 32 (6), 4432-4443	2016
17	<a href="#">A control strategy for reliable power output from a stand-alone WRIG with battery-supported DC link</a> VRR Rudraraju, C Nagamani, Saravana Ilango Ganesan IEEE Transactions on Power Electronics 32 (6), 4334-4343	2016
18	<a href="#">A hybrid algorithm for tracking of GMPP based on P&amp;O and PSO with reduced power oscillation in string inverters</a> C Manickam, GR Raman, GP Raman, Saravana Ilango Ganesan, C Nagamani IEEE Transactions on Industrial Electronics 63 (10), 6097-6106	2016
19	<a href="#">A method to detect photovoltaic array faults and partial shading in PV systems</a> R Hariharan, M Chakkarapani, Saravana Ilango Ganesan, C Nagamani IEEE Journal of Photovoltaics 6 (5), 1278-1285	2016
20	<a href="#">Natural flux minimisation technique for enhanced operation of doubly-fed induction generator</a> MAA Rani, C Nagamani, Saravana Ilango Ganesan IET Electric Power Applications 10 (6), 467-476	2016
21	<a href="#">An improved rotor PLL (R-PLL) for enhanced operation of doubly fed induction machine</a> MAA Rani, C Nagamani, Saravana Ilango Ganesan IEEE Transactions on Sustainable Energy 8 (1), 117-125	2016
22	<a href="#">A versatile method for computation of power pulsations in DFIG under grid</a>	2016

	<a href="#">imperfections</a> MAA Rani, C Nagamani, Saravana Ilango Ganesan Renewable Energy 88, 143-153	
23	<a href="#">A Simple Copper Loss Minimization Control Algorithm for a Grid Connected Squirrel-Cage Induction Generator Through Indirect Flux Optimization</a> VRR Rudraraju, C Nagamani, Saravana Ilango Ganesan Electric Power Components and Systems 44 (3), 324-335	2016
24	<a href="#">A stator voltage switching strategy for efficient low speed operation of DFIG using fractional rated converters</a> VRR Rudraraju, N Chilakapati, Saravana Ilango Ganesan Renewable Energy 81, 389-399	2015
25	<a href="#">A control scheme for improving the efficiency of DFIG at low wind speeds with fractional rated converters</a> VRR Rudraraju, C Nagamani, Saravana Ilango Ganesan International Journal of Electrical Power & Energy Systems 70, 61-69	2015
26	<a href="#">Renewable power generation Indian scenario: a review</a> C Nagamani, G Saravana Ilango, MJB Reddy, MAA Rani, ... Electric Power Components and Systems 43 (8-10), 1205-1213	2015
27	<a href="#">A control strategy for hybrid autonomous power system with a battery management scheme</a> CK Aravind, G Saravana Ilango, C Nagamani, M Jaya Bharata Reddy Electric Power Components and Systems 43 (8-10), 1159-1172	2015
28	<a href="#">Positioning of PV panels for reduction in line losses and mismatch losses in PV array</a> SR Potnuru, D Pattabiraman, Saravana Ilango Ganesan, N Chilakapati Renewable Energy 78, 264-275	2015
29	<a href="#">Optimal Su-Do-Ku based interconnection scheme for increased power output from PV array under partial shading conditions</a> PS Rao, P Dinesh, Saravana Ilango Ganesan, C Nagamani Frontiers in Energy 9 (2), 199-210	2015
30	<a href="#">Control scheme for a bidirectional converter in a self-sustaining low-voltage DC nanogrid</a> Saravana Ilango Ganesan, D Pattabiraman, RK Govindarajan, M Rajan, C Nagamani IEEE transactions on Industrial electronics 62 (10), 6317-6326	2015
31	<a href="#">A smooth co-ordination control for a hybrid autonomous power system (HAPS) with battery energy storage (BES)</a> CK Aravind, Saravana Ilango Ganesan, C Nagamani Frontiers in Energy 9 (1), 31-42	2015