

List of Publications in the last Five Years by Dr. Sendhil kumar Natarajan		
S. No	List of Publications	Year
1.	Sendhil Kumar Natarajan, Vinith Thampi, Rishabh Shaw, V.Sravan Kumar, R.S.Nandu, Vijesh Jayan, Narendran Rajagopalan, K.Ravi Kumar, 2018, "Experimental Analysis of a Two-Axis Tracking System for Solar Parabolic Dish Collector. International Journal of Energy Research, Wiley, (SCI Journal Impact Factor: 2.790), Accepted, Doi:10.1002/er.4300	2018
2.	Susant Kumar Sahu, Vadivukkarasan M, Dharamsoth Suman, Devineni Ramanjaneyulu, Gurugubelli Raja Rao Naidu, Reddi Sudarshan, Arjun Singh K, Sendhil Kumar Natarajan, (2018), "Experimental Investigations of Stagnation Temperature and Overall Heat Transfer Coefficient of Flat Receiver for Solar Parabolic Dish Concentrator System", Published in the Proceedings of International Conference on Recent Advances in Fluid & Thermal Sciences, Page No: 40, 5th -7th December 2018, Dubai, UAE.	2018
3.	Sendhil Kumar Natarajan, K.Sankaranarayanamy, Sindhuja Ponnusamy, Velaga Kavya Chowdary, Jitender Kumar, Darshanam Rahul, Sandeep Agarwal, Elavarasan E, (2018), "Experimental Comparative Study on Reduction in the Moisture Content of Cucumber in a Double Slope Solar Dryer with Open Sun Drying Method", Published in the Proceedings of International Conference on Recent Advances in Fluid & Thermal Sciences, Page No: 40, 5th -7th December 2018, Dubai, UAE.	2018
4.	Sendhil Kumar Natarajan, Faisal Kamran, N.Ragavan, R.Rajesh, Roneet Kumar Jena, S.Subbarama Kousik, 2018. "Analysis of PEM hydrogen fuel cell and solar pv cell hybrid model", Published in the proceedings of International Conference on Advanced Materials, Energy and Environmental Sustainability (ICAMEES -2018)" 14th -15th December 2018, University of Petroleum & Energy Studies, Dehradun, Uttarakhand -248007, INDIA	2018

5.	N.Sendhil Kumar, Susant K.Sahu, T.Ganapathy, Lokesh Lanka, (2018), “Design and Development Of Solar Pesticides Sprayer” Published in the Proceeding of National Conference on Recent Developments in Mechanical Engineering, 27th – 29th July, 2018, National Institute of Technology Rourkela, INDIA	2018
6.	Susant Kumar Sahu, N.Sendhil Kumar, (2018), “Design and Development of Solar Parabolic Dish Concentrator System for Power Generation”. Published in the Proceeding of International Conference on Recent Innovations & Developments in Mechanical Engineering (IC-RIDME 2018) Department of Mechanical Engineering, National Institute of Technology Meghalaya, November 08 -10, 2018.	2018
7.	Susant Kumar Sahu, N.Sendhil Kumar, T.Ganapathy, R.Vaikunta Rao, (2018) “Experimental Investigation of Solar Powered Vapor Compression Air Conditioner with Indian Climatic Condition” Yet to be Published in the Proceeding of International Conference on Recent Innovations & Developments in Mechanical Engineering (IC-RIDME 2018) Department of Mechanical Engineering, National Institute of Technology Meghalaya, November 08 -10, 2018	2018
8.	Susant Kumar Sahu, N.Sendhil Kumar, T.Ganapathy (2018).“Design and Fabrication of a Low Cooling Counter Flow Induced Draft Cooling Tower with Optimized Cost for Small Scale Applications” Published in the Proceeding of Second National Power Engineering Research Scholars’ Conference (NPERSC) at IIT Madras, during 24-25 February, 2018.	2018
9.	Susant Kumar Sahu, N.Sendhil Kumar, Pavan Kumar Hanamanthavarajula (2018).“Simulation of Electrical Power Generation Using Concentrated Photovoltaic Cell Through Solar Parabolic Dish Concentrator”, International Conference on Recent Innovations in Electrical, Electronics & Communication Engineering - (ICRIEECE), July 27 & 28 2018, School of Electrical Engineering, Kalinga Institute of Industrial Technology (KIIT), Bhubaneswar, India	2018

10.	Akash Choudhary, Sendhil Kumar Natarajan, 2017 “Enhancement in Drive Train for Self-Driven Electric Vehicle”, Journal of Mechanical and Production Engineering, 5 (10), pp:40-45.(Non-SCI)	2017
11.	Akash Choudhary, Sendhil Kumar Natarajan, “Enhancement in Drive Train for Self-Driven Electric Vehicle”, Published in the proceedings of SARC (South Asian Research Center) International Conference, Nagpur, India, 27th August 2017, PP-52-57.	2017
12.	D.Ragupathy, Soo Chool Lee, Sendhil Kumar Natarajan, Salem S Al-Deyab, Narendran Rajagopalan, Madappa V R Siva Subramanian, Jae Chang Kim “Preparation and Characterization of Novel Chitosan Nanofiber Modified Electrodes and its Electrical Properties”, Published in the proceedings of 7thInternational Conference on New & Renewable Energy (ICNRE - 2016), Daegu, KNU, South Korea, March 17th -19th 2016, PP-38.	2016
13.	Vijesh Jayan, M.Vijayakumar, R.Vinai Krishnan, D.Ragupathy, Soo Chool Lee, Jae Chang Kim, Salem S Al-Deyab, Narendran Rajagopalan, Sendhil Kumar Natarajan, “Design and Electrical Performance Analysis of Concentrating Solar Cell”, Published in the proceedings of 7thInternational Conference on New & Renewable Energy (ICNRE - 2016), Daegu, KNU, South Korea, March 17th -19th 2016, PP-07	2016
14.	Vijesh Jayan, M.Vijayakumar, R.Vinai Krishnan, Sendhil Kumar Natarajan, G.Venkatesan, Theoretical Analysis of Seawater Desalination Based on LTTD Vacuum Method using Low Concentration Fresnel Lens CSP System, Proceedings of the abstracts of the InDA-APDA International Conference on Clean Technologies – 2016, February 11th – 13th 2016, Hotel Ambassador Pallava, Chennai, India. pp.2	2016
15.	K. S. Reddy, Sendhil Kumar Natarajan, G. Veershetty, 2015, “Experimental performance investigation of modified cavity receiver with fuzzy focal solar dish concentrator" Renewable Energy, 74, 148-157. (SCI Journal Impact Factor: 3.361)	2015

16.	Pavalavana Pandian Jayaraman, Sendhil Kumar Natarajan, Pugazhvadivu.M, "Estimation of Higher Heating Value Correlation for Waste Frying Oil from its Physio - Chemical Properties", Published in the Book of Abstract of First International Conference on "Recent Advances in Bio –energy Research,(ICRABR – 2015), March 14th -17th 2015, Kapurthala, Punjab, India. pp.106.	2015
17.	Vijesh Jayan, M.VijayaKumar, R.Vinay Krishnan, Sendhil Kumar Natarajan,"Theoretical Analysis of Low Cost Solar Parabolic Dish Collector System Coupled with Double Slope Desalination Unit" Published in the Book of Abstracts of International Conference on Ploygeneration (ICP) 2015, February 18th -20th 2015, TAG Auditorium, Anna University, Guindy Campus, Chennai, India. PP:54.	2015
18.	Nisha Singh, Sendhil Kumar Natarajan, "Thermal Modelling of Solar Parabolic Dish Based Thermoelectric System" Published in the Book of Abstracts of International Conference on Ploygeneration (ICP) 2015, February 18th -20th 2015, TAG Auditorium, Anna Univeristy, Guindy Campus, Chennai, India. PP:79.	2015
19.	R.S.Priya, M.K.Huwidah Begam, Jyoti, Sendhil Kumar Natarajan,"Experimental Analysis of Al ₂ O ₃ Nanofluid Cooling in a Solar Parabolic Dish with a Concentrating Photovoltaic Solar Cell" Published in the Book of Abstracts of International Conference on Ploygeneration (ICP) 2015, February 18th -20th 2015, TAG Auditorium, Anna Univeristy, Guindy Campus, Chennai, India. PP:78.	2015