


Department of Mechanical Engineering
Government Engineering College Kozhikode.

Faculty Profile

1. Name	: Dr.Jithesh P K	
2. Designation	: Assistant Professor	
3. Highest qualification	: Ph.D (IIT Madras)	
4. Date of joining service	: 19.12.2013	
5. Date of joining GEC Kozhikode	: 01.06.2017	
6. No. of FDPs/STTPs or other events attended as resource person	: 1	
7. No. of FDPs/STTPs/Workshops attended as participant	: 5	
8. No. of Conferences attended as participant	: 3	
9. No. of funded research projects received (CERD/TEQIP/MODROBT etc.)	: 1 – TEQIP Research Seed Money	
10. Details of additional charges at department level	: In charge – Research Lab Group Tutor– 2015 Admission	
11. Details of additional charges at institute level	: Asst Chief Superintend – Exam cell : CERD Cell GECK – Member : FAB Lab GECK - Member	
12. Details of responsibilities at university level	: Ph.D Guide – KTU : DC Member – University of Calicut	

Publications

International Journals

1. P.K.Jithesh, A.S Bansode, T.Sundararajan and Sarit K.Das, The Effect of Flow Distributors on the Liquid Water Distribution and Performance of a PEM Fuel Cell, *International Journal of Hydrogen Energy*, 37 (2012), 17158-17171.
2. P.K.Jithesh, T.Sundararajan and Sarit K.Das, Experimental investigation of dry feed operation in a polymer electrolyte membrane fuel cell, *Journal of Power Sources*, 260 (2014), 243-250.
3. P.K.Jithesh, T.Sundararajan and Sarit K.Das, The effect of non-uniform under-rib convection on reactant and liquid water distribution in PEM fuel cells, *ASME Journal of Fuel Cell Science and Technology*, 12 (2015), 041003-1-8.
4. K. Subin, P.K Jithesh, Experimental Study on Self-humidified Operation in PEM fuel cells, *Under review in Sustainable Energy Technologies and Assessments-Elsevier*.
5. Rajiv G Nair, P.K Jithesh, Investigation on Flow and Heat Transfer in a Manifold Microchannel Heat Sink, *Under review in Journal of Thermal Science and Engineering Applications-ASME*.

International Conferences

1. P.K.Jithesh, T.Sundararajan and Sarit K.Das, Reactant outlet temperature as an indication of flooding in PEM fuel cells, 6th International Conference on Fundamentals and Development of Fuel Cells, Toulouse, France, 3 – 5th February 2015.
2. P.K.Jithesh, T.Sundararajan and Sarit K.Das, An Analytical and Numerical Study of Flow Distribution Using a Mixed Flow Distributor in Proton Exchange Membrane Fuel Cells, 5th International Conference on Fundamentals and Development of Fuel Cells, Karlsruhe, Germany, 16 – 18th April 2013.
3. P.K.Jithesh, A.S.Bansode, T.Sundararajan and Sarit K.Das, Numerical Simulation of a PEM Fuel Cell Cathode with Mixed Flow Distributor, IIIrd International Conference on advances in Energy Research, IIT Bombay, Mumbai, India. 9 – 11th December 2011.
4. P.K. Jithesh, S. Anil Lal and M.R. Rajkumar, Determination of Radiation View Factors Considering Shadow Effect, Proceedings of 5th International Symposium on Radiative Transfer, Volume 695016, Pages 2-4, 2007

National Conferences

1. P.K.Jithesh, M.R.Rajkumar, Numerical computations in radiation heat transfer considering shadow effect, 7th National Conference on Technological Trends, College of Engineering Trivandrum, Kerala, India, 17-18th November 2006.
2. Deepak K.T, P.K Jithesh, Startup and operating characteristics of a bubble column humidification system. 3rd National Conference on Emerging Trends in Engineering, Government Engineering College Kozhikode, Kerala, India, 30-31st October 2015.
3. K Subin, P.K Jithesh, Potential of Dry Air Fed PEM Fuel Cell in Automobiles, National Conference on Futuristic Advancements in Mechanical Engineering (FAME-2K16), College of Engineering Thalassery, Kerala, India, 8th -9th August 2016.
4. N R Manikandan, P.K Jithesh, An Experimental Investigation on Improving the Energy Efficiency, of PEM Fuel Cells, 2nd National Conference on Latest Trends in Mechanical Engineering, NSS Engineering College Palakkad, Kerala, India, 23-25 March 2017