

Faculty Profile



Name : Dr. SHAJI K
Designation : Professor
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Date of Joining : 7-6-1999
Residential Address : Kurudath House
Kumaranelloor (PO)
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Service Details

Post Held	Date	College
Lecturer	7-6-1991 To 10-1-2006	Govt. College of Engineering Kannur
Associate professor	11-1-2006 To 31-5-2016	Govt. Engineering College Kozhikode
Professor	1-6-2016 To Till date	Govt. Engineering College Kozhikode

Qualifications

Degree	Year of graduation	University
Btech in Mechanical Engineering	1995	University of Calicut
M.Tech (Thermal Sciences)	1999	University of Calicut
PhD	2010	IIT Madras

Publications

(Conferences / Journals)

(List all from the latest FIRST)

1. Mohammed Siyad and Shaji K “3D modeling and experiment on the performance of asphalt solar collector with chimney,” International Conference on Sustainable Technology Applications for Green Engineering Solutions (STAGE) 2020.
2. Mohammed Hashiq K P and Shaji K “Experimental and CFD analysis of horizontal hot water storage tank combining Evacuated Tube Collectors (ETC) with heat pipes.”, International Conference on Sustainable Technology Applications for Green Engineering Solutions(STAGE) 2020.
3. Rahul C G and Shaji K “Design of gas cleaning unit for biomass gasifier”,IOP Conference Series: Materials Science and Engineering (ICETEST 2020)
4. Riju Raveendran, Muhammed Hashiq K P and Shaji K “Experimental investigation on the performance of a PCM based thermal storage unit using two different heat transfer fluids”, International Conference on Energy , Environment, Materials, and Safety(ICEEMS-2019)
5. Subin Das P K and Shaji K, “Performance enhancement of solar still using hyperboloid collector and evacuated chamber” International Conference on Energy , Environment, Materials, and Safety(ICEEMS-2019)
6. Midhun V C, Shaji K and Jithesh P K, “Effect of concentrated solar radiation of pressure drop in oil pipeline”, Emerging trends in Engineering, Science and Technology, Energy and Environment (ICETEST – 2018)
7. Deepak, Shaji K, Computational Fluid dynamics(CFD) simulation of gas-liquid-solid three phase fluidized bed” International Conference on Emerging Trends in Engineering, Science and Technology (ICETEST - 2018)
8. Arun L S, Shaji K and Sajeeb A M, “Improvement in efficiency of DASC with reflector panel by using Al₂O₃/water nanofluids”, Proceedings National Conference on research innovation in Thermal and Mechanical Engineering (2017).
9. Ranjith, Shaji K “Numerical analysis on a double pipe heat exchanger with twisted tape induced swirl flow on both sides” International Conference on Emerging Trends in Engineering, Science and Technology (ICETEST - 2015)

10. Midhun, Shaji and Jithesh “Application of parabolic trough collector for reduction of pressure drop in oil pipelines” International Journal of Modern Engineering Research, vol.5, issue 3, March 2015.
11. Alesh James, Raveesh, Midhun, Shaji K “Simulation of single phase fluid flow in a microchannel with nanofluids” March 25-27, 2014.
12. Shaji K and Sarith K Das “Effect of Plate Characteristics on Axial Dispersion and Heat Transfer in Plate Heat Exchangers” Journal of heat transfer ASME 041801-10 / Vol. 135, APRIL 2013.
13. K. Shaji, Bobbili Prabhakara Rao, Bengt Sunden, Wilfried Roetzel, and Sarit K. Das “Logarithmic mean pressure difference—a new concept in the analysis of the flow distribution in parallel channels of plate heat exchangers” Heat Transfer Engineering, 33(8):669–681, 2012.
14. K. Shaji, Sarit K. Das “The effect of flow maldistribution on the evaluation of axial dispersion and thermal performance during the single-blow testing of plate heat exchangers” International Journal of Heat and Mass Transfer 53 (2010) 1591–1602.

STTP / FDP attended

Sl No.	FDP	Date	Duration	Institute
1	Simulation Based Engineering science Approach: A scientific Approach to Engineering	18-12-2015-19-12-2015	2 days	Indian Institute of Technology Delhi
2	Faculty Development Programme	21-09-2015-23-09-2015	3 days	Indian Institute of Technology Madras
3	Energy Management	18/11/2013-22/11/2013	5 days	IIT Bombay
4	Industrial institute interaction cell(IIIC) “Advanced research for High Tech R&D”	05-09-2013-07-09-2013	3 days	Government Engineering College Kozhikode
5	Renewable Energy for Rural Areas	14-07-2014-16-07-2014	3 days	IIT Bombay

6	Research Methodology	24-06-2013- 28-06-2013	5 days	Government Engineering College Kozhikode
7	Tools for Engineering Research	25-03-2013- 29-03-2013	5 days	Government Engineering College Kozhikode
8	Advances in Design Optimization	18-03-2013- 23-03-2013	6 days	Government Engineering College Kozhikode
9	E Waste Management	12-03-2013- 16-03-2013	5 days	Government Engineering College Kozhikode
10	Role of Power Electronics in Energy Conservation	26-02-2013- 2-03-2013	6 days	Government Engineering College Kozhikode
11	Professional Skill Development	26-07-2012- 28-07-2012	3 days	Government Engineering College Kozhikode

Responsibilities / Contributions to the institute / Dept. / university / Govt. etc. (List all:current / past)

1. Head of the Department for the year 2013-2015.
2. Member of the college council for the year 2012-2015
3. Reviewed and chaired papers for National and International conferences.
4. Performed the duties of Academic Nodal officer under TEQIP II project.
5. Co-coordinator of the SC/ST youth empowerment programme "STEP 4 u" for 2010-12.

6. Chairman PG (Energy System Analysis and Design) University of Calicut.
7. Member of PG board of studies Kannur University.
8. Coordinator of the Centralized Valuation Camps conducted by University of Calicut
9. Organized and participated in remedial teaching and GATE coaching classes.
10. Served as class advisor for various batches of undergraduate.
11. Co-ordinator of the committee constituted for the preparation of syllabus for the newly started M Tech course in Energy Systems Analysis and Design.
12. Program executive of ME Dept. for the national conference conducted "NET 2011".
13. Bus secretary, in charge of various labs, resident tutor of hostel etc. at Govt College of Engineering Kannur during 1999-2006.
14. General Convener of National Conference, NET October 2016.
15. Academic Council member of APJ ABDUL KALAM Kerala Technological University from May 2019 onwards

