

SINDHU N.
ASSISTANT PROFESSOR



Contact Details

Office Address : ASSISTANT PROFESSOR
DEPT. OF CHEMICAL ENGG.
GOVT. ENGINEERING COLLEGE KOZHIKODE

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Professional Qualifications

B-Tech	Specialization	CHEMICAL ENGINEERING
	Institute/University	GOVT. ENGINEERING COLLEGE THRISSUR
	Year	2001
M-Tech	Specialization	CHEMICAL PLANT DESIGN
	Institute/University	NATIONAL INSTITUTE OF TECHNOLOGY KARNATAKA
	Year	2011
PhD	Specialization	
	Institute/University	Doing at NATIONAL INSTITUTE OF TECHNOLOGY CALICUT

Areas of Interest

Modeling & Simulation, Computational Techniques,
Bio Fuels

Professional Experience

- 21/2 yrs as Guest Faculty at Dept. of Chemical Engg. Govt. Engineering College Kozhikode
- Assistant Professor at Dept. of Chemical Engg. Govt. Engineering College Kozhikode
09-06-2004 – till date

Responsibilities/ Position

- Placement Coordinator
- Faculty in-charge- ASSOCIATION OF CHEMICAL ENGINEERING STUDENTS

Training Details (2014-15 Onwards)

Course Name	Conducted By	Sponsoring Agency	Period	No of days
Formulation of Research and Development Initiatives for Scientists and Technologists	Engineering Staff College Hyderabad	TEQIP	16/09/2014 to 19/09/2014	4 days

Chemical Engineering Design Aspects	Govt. Engg. College, Kozhikode	DTE	17/11/2014 to 22/11/2014	6 days
Recent Challenges in Atmospheric and Earth Sciences (RCAES-2014)	Dept. of Chemical Engg., NITK, Surathkal	NITK / TEQIP / MoEs	27/12/2014 to 30/12/2014	4 days
Thermal& Structural Analysis A Simulation Approach	Government Engineering College, Kozhikode	TEQIP	4/11/2015 to 6/11/2015	3 days
Computational modeling of flow processes	Government Engineering College, Kozhikode	TEQIP	25/11/2015 to 28/11/2015	4 days
Design and Engineering	Government Engineering College, Kozhikode	TEQIP	3/2/2016 to 5/2/2016	3 days
Workshop on MATLAB and SIMULINK	Government Engineering College, Kozhikode	TEQIP	13/02/2017 to 15/02/2017	3 days

Publications

- [Iyyaswami Regupathi](#), [Chunduru K Srikanth](#), and [Nangarthody Sindhu](#) “Liquid–Liquid Equilibrium of Poly(ethylene glycol) 2000 + Diammonium Hydrogen Citrate + Water System at Different Temperatures”
- **Nangarthody Sindhu**, Sivakumar Kalaivani, and Iyyaswami Regupathi “Bovine Serum Albumin Partitioning in Aqueous Two- Phase Systems: Effect of Variables and Optimization”
- Aishwarya K N, **Nangarthody Sindhu**, “Microwave Assisted Pyrolysis of Plastic Waste” *Procedia Technology* 25 (2016) pp 990 – 997
- Aishwarya K N, **Nangarthody Sindhu**, “Microwave Assisted Pyrolysis of Plastic Waste”, *Global Colloquium in Recent Advancement and Effectual Researches in Engineering, Science and Technology (RAEREST 2016)*
- **Nangarthody Sindhu**, N U Prasanth, Sivasubramanian V., “Kinetic analysis and Modeling of Pyrolysis of Jack Wood Biomass ”, *International Conference on Advances in Chemical Engineering at National Institute of Technology Karnataka, 21-22 December 2015*

- **Nangarthody Sindhu**, Aishwarya K. N., “Pyrolysis Kinetics of Polymers Using Thermogravimetric Analysis”, International Conference on Advances in Chemical Engineering at National Institute of Technology Karnataka, 21-22 December 2015
- K. Sreelakshmy, **N. Sindhu**, “Modelling and Simulation of Microwave Assisted Pyrolysis of Plastic Waste”, Waste Management and Resource Utilisation, Proceedings of the 6th IconSWM 2016, 6th International Conference on Solid waste management

Project/Consultancy

- A Study on Bio solar cell; the effect of thickness of various layers in the total output. CERD Student project – Completed- Rs. 50,000/-
- Microwave Assisted Pyrolysis of Plastic wastes - Research seed money TEQIP –II R&D- Completed- Rs. 1,00,000/-
- Fast Pyrolysis of Wood Biomass - Research seed money TEQIP –II R&D- Completed - Rs. 1,10,000/-