

Dr. Soubhik Kumar Bhaumik

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Education

PhD Chemical Engineering (2013)

Indian Institute of Technology Kharagpur

Thesis: Electric Field Actuated Microflows

MS Chemical Engineering (2004)

Indian Institute of Science Bangalore

Thesis: Studies on Solubilization Kinetics of Oils in Surfactant Solutions

BE Chemical Engineering (2002)

National Institute of Technology Durgapur

Work Experience

Assistant Professor July 2014 onwards:
Department of Chemical Engineering,
Indian School of Mines Dhanbad, JH, India

Research Associate Jan 2014-June 2014
Department of Chemical Engineering,
Indian Institute of Technology Kharagpur, WB, India

Visiting Consultant Sept 2013-Dec 2013
Global Research Center
General Electric (GE) Bangalore, India

Design Engineer Sept 2006-Mar 2009
John F Welch Tech Center,
General Electric (GE) Bangalore, India

Member R&D Nov 2004-Aug 2006
Research and Development
TVS Motor Company Hosur, TN, India

Research Areas

- Microfluidics
- Computational Fluid Dynamics
- Interfacial Phenomena
- Electrokinetic Flow

Awards/ Achievements

1. Awarded the **Global Award** for developing report on CFD of Radiant Syn-gas Cooler (RSC) by *GE Global Research Niskayuna, New York*.
2. Awarded the **Night on the Town Award** for developing training material for CFD turbulence modeling at *GE, John F Welch Technology Center Bangalore*.
3. Awarded the **Best Poster Award** at *IIT Kharagpur* at Research Scholar day for year 2010.
4. Awarded the **Best Poster Award** at *IIT Kharagpur* at Research Scholar day for year 2012.
5. Obtained **Six Sigma Green-Belt Certification** for developing tool for Radiative heat transfer in RSC at *GE Bangalore*.
6. **On-site** at *GE Houston* for project planning of RSC in coal gasification unit.
7. Selected among **top 2 all over India** for pursuing MS in *Chemical Engineering Department, IISc Bangalore*.

Projects/ Trainings

GE Project: CFD Analysis of Syn-gas Cooler in *Coal gasification (Integrated Gas Combined Cycle) IGCC Technology*.

TVS Project: Development of *Advanced Battery for Hybrid Vehicles*.

BE project: Study on the Residence Time Distribution of *Coal Particles Froth Flotation Column (Institute of Minerals and Materials Technology (IMMT) Bhubaneswar) (CSIR Laboratory)*.