

Sachin Kumar Jain

Ph.D. Research Scholar, Indian Institute of Technology Madras

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Education

Jul 2018 – Ongoing	Indian Institute of Technology Madras, Chennai <i>PhD in Mechanical Engineering (GPA 9.76/10)</i> Topic: Object Manipulation Using Negative Magnetophoresis
Jul 2016 – 2018	Jadavpur University, Kolkata <i>ME in Mechanical Engineering (GPA 9.16/10)</i> Topic: Comparative Analysis of Primary Atomization of Liquid Sheets and Films: A Numerical Approach
Jul 2011 – 2015	Jadavpur University, Kolkata <i>BE in Power Engineering (GPA 8.59/10)</i> Topic: Determination of Temperature Profile of a Steady State 1-D Flame

Other Experiences

9 th June – 29 th June 2014	National Power Training Institute, Guwahati <i>Power Plant Familiarization Camp</i>
23 rd Oct – 3 rd Nov 2017	Indian Institute of Technology, Roorkee <i>GIAN course on 'Two-phase flow and Heat Transfer' by Prof. Stéphane Zaleski from Pierre-et-Marie-Curie University, France</i>

Languages and Computer Proficiency

Languages	Computer C, C++, python
	Others English, Hindi, Bengali
Software	CFD OpenFOAM, Comsol, ANSYS Fluent
	Others MS Office, Matlab, AutoCAD, OriginPro

Publications

- 2020 | 1. **Jain, S. K.**, Banerjee, U. & Sen, A. K. Trapping and Coalescence of Diamagnetic Aqueous Droplets Using Negative Magnetophoresis. *Langmuir* (2020).