

Sachin Kumar Jain

PhD Scholar, IIT Madras

✉ nischay91@gmail.com ☎ +91 9046907690 📞 0000-0003-2528-0486

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	National Power Training Institute, Guwahati <i>Power Plant Familiarization Camp</i>
23 rd Oct – 3 rd Nov	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>

Computer Proficiency and Languages

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

Publications

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