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# SK RAMEEZ IQBAL

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## Research Interests:

Fluid-Fluid Interfaces on various wettable and soft surfaces, Capillarity and Wetting Phenomena, Interfacial Science, Superhydrophobic Surfaces and Open Surface Microfluidics.

## Educational Qualifications:

Degree	Institution/University	Department/Specialization	Month/ Year of Passing
MS & Ph.D.	IIT Madras, Chennai	Mechanical Engineering	Pursuing
B.Tech	Aliah University, Kolkata	Mechanical Engineering	2014
Higher Secondary	WBCHSE, West Bengal	Science	2010
Secondary	WBBSE, West Bengal	General	2008

## Professional Experiences:

- **Nov 2017- Feb 2018:** Research Intern at OIST for four months under Prof. Amy Shen, OIST, Japan
- **June 2013:** Summer Intern at BTPS under West Bengal Power Development Corporation Private Limited.
- **May 2012:** Spaco, A Carburetor manufacturing company, Pune, India

## Projects Undertaken:

**Under Graduate:** Once through Supercritical boiler using Circulating Fluidized Bed Technology(OTSC-CFBC).

**Research Project:** Dynamics of Compound Droplets, Superhydrophobic surfaces, Soft matter, Capillarity and Wetting Phenomena.

## Publications:

### A. Journals:

- [1] R. Iqbal, S. Dhiman, A. K. Sen, and A. Q. Shen, Langmuir *acs. langmuir.6b04621* (2017).
- [2] R. Iqbal, B. Majhy, and A. K. Sen, ACS Appl. Mater. Interfaces *acsami.7b09708* (2017).
- [3] D. George, S. Damodara, R. Iqbal, and A. K. Sen, Langmuir **32**, 10276 (2016).

### B. Conferences:

- [1] R. Iqbal, S. Dhiman, A. K. Sen and A. Q. Shen, *IHMTC, Hyderabad, 2017*
- [2] I. Shivakoti, **G. Kibria**, Sk. Rameez Iqbal, B.B. Pradhan, NCMERP, West Bengal, 2013
- [3] Sk. R. Iqbal, G. Kibria 1st National Conference on Micro and Nano Fabrication at CMTI, Bangalore, 2013.

### C. Technical Talks:

- [1] R. Iqbal, S. Dhiman, A. K. Sen and A. Q. Shen Fluids Day, ICSR, IIT Madras, 2017
- [2] R. Iqbal, S. Dhiman, A. K. Sen and A. Q. Shen JFM Symposium, IIT Madras, 2017

## Awards & Achievements:

- Awarded for securing First Rank in B. Tech (2014) at Aliah University, Kolkata, India

## Grants and Scholarships:

- **Half-time Research Assistantship**, MHRD, India for Doctoral Research at IIT Madras.
- Merit cum Means Scholarship by Govt. of India.
- **Research Scholar Innovative Projects:** IIT Madras. Period: 1 year

## Teaching Assistantship:

[1] Incompressible Fluid Flow (**Jul-Nov, 2016**) (**Course Coordinator: Dr. Ashis Kumar Sen**)

[2] Microfluidics and Microsystems (**Jan-May 2017**) (**Course Coordinator: Dr. Ashis Kumar Sen**)

[3] Measurements in Thermal Engineering (**July-Nov 2017**) (**Course Coordinator: Dr. Ashis Kumar Sen and Prof T. Sundurarajan**)

### **Key Skills:**

[1] **Soft Skills:** AutoCAD, Office, MATLAB, Surface Evolver, Ansys Fluent, Comsol, Latex, Image J

[2] **Microfabrication:** Soft Lithography, Micro milling, Superhydrophobic Surface Fabrication

[3] **Characterization:** SEM, FTIR, Wettability, Surface Profilometer, Optical Profilometer, Ellipsometer

[4] **Microscopy:** Inverted, Fluorescence, Reflective, Upright, Digital and Stereomicroscopes.

### **Personal Information:**

**D.O.B:** 14/02/1992

**Current Address:** Pampa Hostel, IIT Madras, Chennai, Tamil Nadu, India, 600036

**Marital Status:** Single.

**Languages Known:** English, Hindi, Bengali

### **References:**

- **Dr. Ashis Kumar Sen**, Associate Professor, Dept. Of Mechanical Engineering, IIT Madras, Chennai, Tamil Nadu, India, 600036
- **Prof. Amy Shen**, Professor, Micro/Bio/Nanofluidics Unit, Okinawa Institute of Science and Technology(OIST), Japan