

Indian Institute of Technology Gandhinagar



Advertisement of Research Associate/Postdoctoral Fellow

Applications are invited for the position of “Postdoctoral Fellow” in Materials Engineering at IIT Gandhinagar to work on a project sponsored by SERB, India.

Project title: Slippery properties of liquid impregnated micro-cavities

Project description: The candidate will conduct interdisciplinary research on colloidal processing, dewetting and transport phenomena. The project is aimed at micro-patterning the ZrO_2 surfaces during colloidal processing and investigating their dewetting properties with liquids and bacteria. The project is primarily of experimental type but also requires profound theoretical understanding of the transport phenomena concepts which in turn will aid at designing and conducting experiments on colloidal processing. Additional knowledge and experience in bacterial cell culture studies are preferable.

Eligibility: Ph.D. in Chemical engineering/Materials science/Fluid Mechanics/Chemistry/Micro-engineering/Environmental engineering or allied fields from reputed universities with excellent publication record is required. Candidates who have submitted their thesis are also eligible. Applicants must have research specialization in colloidal processing and wetting phenomena. The candidate must be a critical thinker, self-driven and passionate and must be able to independently lead the project. Good communication skills both in scientific writing as well as in presentations are highly desirable.

Application procedure: Interested candidates must [fill this online form](#). Any queries can be directed to Dr. Sriharitha Rowthu via email (sriharitha.rowthu@iitgn.ac.in).

Deadline: March 15, 2021 or until this position is filled.

Duration: Initial appointment is for one year, extendable up to one more year based on the performance.

Salary: 47,000-54,000 Rs p.m. as per institute norms (based on experience and qualifications)