

MUKESH DHANKA, PhD

Assistant Professor

Department of Biological Engineering,

Indian Institute of Technology Gandhinagar,

Near Palaj, Gandhinagar 382355, Gujarat, India

Phone no: +91-79-2395-2594

E-mail: mukesh.d@iitgn.ac.in

Website: IIT Gandhinagar | [Mukesh Dhanka \(iitgn.ac.in\)](http://Mukesh Dhanka (iitgn.ac.in))



Project Associate-1 (Junior Research Fellow) Position in Synthesis of Self-assembled Hydrogels

Indian Institute of Technology Gandhinagar (IITGN) invites applications for **Junior Research** Fellow position in synthesis of self-assembled hydrogel for a research project titled “**Translatable, self-healable, drug crystal encapsulated hydrogel platform for long intra-articular therapy**” funded by Science and Engineering Research Board (SERB).

Job Description: The candidate will be required to set up the experiments for the synthesis of amphiphilic molecules and polymers to develop self-assembled hydrogel materials. Expertise in chemical synthesis, crystallization, hydrogel preparation, self-assembly, cell-culture, and microbiology will be preferred. Prior experience in the development of animal model for arthritis is also preferred. He/she will also have the opportunity to develop advanced laboratory skills (chemical synthesis, self-assembled hydrogels, drug crystallization, writing grant proposal, and working inter IITs). The candidate should be a highly motivated, continuous learner who is able to work independently and help in setting-up the lab.

Eligibility: M.Tech/M.Tech/M.Sc. Chemical Engineering, Chemistry, Nanotechnology, Biomedical Engineering, Pharmaceutical Sciences, Material Sciences, etc. allied subject areas from reputed institutes with good grades. Valid GATE and NET scores are highly desirable.

Duration: Initial appointment is for 12-Month

Remuneration: 31,000 INR per month + HRA (No HRA will be provided if the accommodation on campus is availed)

Application Procedure: Candidates must send their applications **via e-mail** to Prof. Mukesh Dhanka (mukesh.d@iitgn.ac.in). The following documents must be sent as a **single pdf attachment** to the email:

1. Current CV with list of publications
3. A one-page summary of previous research/work experience
4. A one-page write-up about why you want to take up this position
5. Valid GATE /NET scorecard

The applications will continue to be screened until the position is occupied. The applications received before **3rd March 2023** will be given priority.