



INDIAN INSTITUTE OF TECHNOLOGY GANDHINAGAR

Research & Development Office

ADVERTISEMENT NO. SPON/70241/Advt0283 DATED 22.07.2026

Applications are invited for a temporary position of **Research Associate-I** at IIT Gandhinagar.
The details are as below:

Name of PI	Prof. Superb Kumar Misra	Department	Materials Engineering
Project title	MOF-Based Multifunctional Nano platform for Cartilage Regeneration		
Designation	Research Associate-I		
Number of positions	01		
Application Link	http://recruitment.iitgn.ac.in/projectstaff/		
Last date of application submission	30 th July 2026		
Consolidated Monthly Remuneration including HRA	₹54,200/- per month		
House Rent Allowance per month (If applicable)	₹7,200/-		
Duration of appointment	1 year (extendable to based on satisfactory performance)		
Eligibility Norms ¹	☐ Institute norms	☒ Funding Agency norms	
Essential Qualification/Experience as per the norms ¹	Ph.D. in Biotechnology, Life Sciences, Biomedical Engineering, Materials Science, Pharmaceutical Sciences, Nanotechnology, or a closely related discipline. Candidates who have submitted their thesis are also eligible. The percentage with respect to the academic qualifications will be a minimum of 60% or equivalent grade from Graduation onward and 55% or equivalent grade in class 10th and 12th.		
Desirable Qualification/Experience	• Strong hands-on experience in mammalian cell culture and molecular biology techniques. • Experience with techniques such as qRT-PCR, Western blotting, ELISA, immunofluorescence, flow cytometry, or confocal microscopy. • Experience in immunology or inflammatory disease models. • Experience in nanoparticle, liposome, hydrogel, or MOF-based drug delivery systems. • Experience in animal handling and preclinical studies. • Ability to work independently and collaboratively in an interdisciplinary research environment		
Job Description	• Design and execute molecular and cell biology experiments. Perform mammalian cell culture and cellular assays. • Conduct gene and protein expression studies (qRT-PCR, Western blotting, ELISA, immunofluorescence, flow cytometry, etc.). • Assist in the synthesis, characterization, and biological evaluation of nanomaterials/MOFs and drug delivery systems. • Participate in small animal studies and tissue analysis (preferred). • Analyze experimental data		

For Query, Please Contact
Prof. Superb Kumar Misra
smisra@iitgn.ac.in