



# Indian Institute of Technology Jodhpur

## Office of Research and Development

Advt. No.: IITJ/R&D/2021-22/26

15 September 2021

### Project Recruitment

Applications are invited from the citizen of India for filling up the following temporary position in the Sponsored Research Project at this Institute. The position is purely temporary, initially for a period of 03 Months, and extendable but co-terminus with the duration of the project, on contractual basis with consolidated pay. The requisite qualification, experience and others details are given below:

1.	Project No.	S/SERB/RG/20200064
2.	Project Title	Development of Functionalized Metal Oxides and Layered Materials for Environmental Sensors
3.	Name of the Project Investigator	Dr. Ritu Gupta
4.	Duration for initial appointment	03 Months
5.	Name of the Post	Research Associate-1
6.	Post	01
7.	Consolidate Pay	47,000/- +HRA (As per institute Norms)
8.	Minimum Qualification and Experience	<p><u>Eligibility:</u> PhD in Chemistry/Physics /Materials Engineering/ Electrical Engineering/ Nanoscience or any other allied areas from a recognized University/Institution. Those who have submitted thesis can also apply however the fellowship will be revised in such cases.</p> <p><u>Experience:-</u> Previous Experience in synthesis of nanomaterials, characterization and analysis, device fabrication, Lithography and hands-on experience in gas sensing.</p> <p><u>Desirable :</u> The candidate with prior expertise or experience in fabrication and characterization of gas sensors, materials synthesis and characterization, data handling and analysis.</p>
9.	Job Description	The candidate will work on development of new nanostructured materials, surface functionalization, and fabrication of electrodes, characterization and analysis of nanomaterials for sensing devices. Resistive VOCs/gases sensors will be fabricated and tested for achieving high specificity and sensitivity under ambient conditions. The candidate is expected to be highly motivated to work independently as well as in a team.

10.	Maximum Age	Below 35 Years
11.	Brief description of Project	The project involves development of Volatile organic compound and gas sensors based on new materials (functionalized metal oxides and layered materials) for use in next-generation technologies, IoT enabled environmental monitoring and healthcare. The project will involve synthesis of functionalized layered nanomaterials, designing and fabrication of sensors, characterization and evaluation of single and multi-array sensors.

The candidates possessing the requisite qualification and experience should apply through the ONLINE process up to **29 September 2021**. The candidates are advised to send a soft copy of the application with all relevant documents to [recruitment\\_rnd@iitj.ac.in](mailto:recruitment_rnd@iitj.ac.in) (*Please mention the advertisement number in the subject line of the email*). *No need to send a hard copy.*

### General Instructions to Applicant(s)

1.	The post(s) is purely temporary and contractual for a period of 03 Months, and extension based on satisfactory performance, but co-terminus with the duration of the project
2.	Application which is incomplete, not in prescribed format, without photograph or unsigned will be summarily rejected.
3.	Certificate in support of experience should be in proper format i.e. it should be on the organizations letter head, bear the date of issue, specific period of work, name and designation of the issuing authority along with his signature.
4.	The Institute reserves the right to: (a) conduct written/trade tests for such posts wherever if the circumstances so warrant (b) not filling any of the advertised positions (c) fill consequential vacancies arising at the time of interview from available candidates. The number of positions is thus open to change.
5.	The Institute shall verify the antecedents or documents submitted by a candidate at the time of appointment or during the tenure of the service. In case, it is detected that the documents submitted by the candidates are fake or the candidate has a clandestine antecedents/background and has suppressed the said information, then his/her services shall be terminated.
6.	No TA/DA shall be paid to the candidates for attending the interview.
7.	No correspondence will be entertained from candidates regarding interview and reasons for not being called for interview.
8.	Canvassing in any form will be a disqualification.
9.	No interim correspondence will be entertained.
10.	No need to send hard copy.