



Indian Institute of Technology Jodhpur

Office of Research and Development

Advt. No.: IITJ/R&D(Advt.)/2023-24/03

27 April 2023

Project Recruitment

Applications are invited from the citizen of India for filling up the following temporary position in the Sponsored Project at this Institute. The position is purely temporary, initially for a period of 01 Year, and same 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/GKM/20220166
2.	Project Title	Development Of Low-Cost Hybrid Nanoparticles Based Phase Change Materials For Efficient Thermal Energy Storage
3.	Name of the Project Investigator	Dr. Gangawane Krunal Madhukar
4.	Duration for initial appointment	01 Year
5.	Name of the Post	Junior Research Fellow
6.	Post	01
7.	Consolidate Pay	Rs. 31,000/- per month +HRA @16%
8.	Minimum Qualification and Experience	<p><u>Eligibility:</u></p> <ol style="list-style-type: none">1. ME/M. Tech. in Chemical/Mechanical/Material science/Related specialization or B.E/B. Tech. in Engineering/Technology in Chemical, Biochemical, Mechanical, Petroleum and Petrochemical and first class with not less than 60% aggregate or not less than 6.5 CGPA on a10 point scale.2. The candidate should be GATE qualified. <p><u>Desirable Qualification:</u> Knowledge of experimental investigations, synthesis and characterization of nanomaterials/smart materials. Experience of using various characterization tools as well as ANN modelling would be plus.</p>
09.	Brief description of Project	The project is based on the development of an experimental facility for thermal energy storage systems based upon the synthesis of nanoparticles-based phase change materials (PCM). Experimentations must be performed for different PCM and nanoparticles combination. In the end ANN optimization need to be conducted for predicting most optimum parameters.

10.	Job Description	The candidate will have to synthesize the nanoparticles-PCM composite system and also thermal energy storage system (TES). The developed product PCM system will be tested in-house developed TES. In the end, the optimum parameters need to be obtained using ANN.
10.	Maximum Age	32 Years

The candidates possessing the requisite qualification and experience should apply through the ONLINE process up to **31 May 2023**. The candidates are advised to send a soft copy of the application with all relevant documents to 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 01 Year, 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.	Institute reserves the right to: a. Fix, modify or revise the eligibility conditions, age and selection criteria as per its requirements, at any time. b. Fill up the post, not to fill up the post or cancel the advertisement in whole or partly without assigning any reason. c. Place a reasonable limit on the total number of candidates to be called for the Written Test and/or Skill Test, Interview.
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.	Higher initial pay may be given to exceptionally qualified/deserving candidate.
7.	No TA/DA shall be paid to the candidates for attending the interview.
8.	No correspondence will be entertained from candidates regarding interview and reasons for not being called for interview.
9.	Canvassing in any form will be a disqualification.
10.	No interim correspondence will be entertained.
11.	No need to send hard copy.

Officer In-charge
Research & Development