



Indian Institute of Technology Jodhpur

Office of Research and Development

Advt. No.: IITJ/R&D/2017-18/14

07 November 2017

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 06 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/SWP/20170009 |
| 2. | Project Title | Solid state Nuclear Magnetic Resonance assessment of zinc oxide (ZnO) nano-material based drug delivery systems. |
| 3. | Name of the Project Investigator | Samanwita Pal |
| 4. | Duration of the Project | 06 Months and extendable for maximum three years |
| 5. | Name of the Post | Junior Research Fellow (JRF) |
| 6. | Post(s) | 01 |
| 7. | Consolidate Pay | Rs.25,000+HRA (As per rule);(First Two Years), RS.28,000+HRA (As per rule);(Third Year) |
| 8. | Qualification and Experience | <u>Eligibility:</u> 1. M.Sc.in Physics or Chemistry with at least 6.5 CGPA on a 10 Point scale or 60 % marks. 2. Having qualified NET (UGC/CSIR) or GATE. |
| 9. | Brief description of Project | The Project aims to apply various one and two dimensional Solid State NMR experiments to characterize molecular interaction of bare and surface functionalized ZnO nanomaterials with some anticancer drugs and amino acids. Synthesis of ZnO nanomaterial and drug loading/ amino acid adsorption will be carried out. Multinuclear Magic Angle Spinning NMR involving ^1H , ^{13}C , ^{15}N , will be employed to analyses chemical shifts, line broadening and relaxation rates of the drugs. Mechanism of adsorption of amino acids on ZnO surface will be probes by $^{15}\text{N}\{^1\text{H}\}$ separated local field NMR |

The candidates possessing the requisite qualification and experience should apply through **ONLINE** process up to **28 November 2017**. After the submission of the online application, applicant are

required to take the printout of the application and send the application along with all self-attested relevant supporting documents by post to the Institute at the address given below:

Officer In-charge
Office of Research & Development,
IIT Jodhpur,
Room No. 3011, Administrative Block,
Old Residency Road, Ratanada,
Jodhpur - 342011, Rajasthan

The envelope should be super scribed with "Advertisement No..... and Application for the Post of"

The application must reach the Institute on or before to **05 December 2017**. Application received after the due date shall not be considered.

General Instructions to Applicant(s)

| | |
|-----|--|
| 1. | The post(s) is purely temporary and contractual for a period of 06 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. | Postal delay will not be entertained. |

Officer In-charge
Research & Development