



National Institute of Technology Tiruchirappalli,
Tiruchirappalli – 620015, Tamil Nadu, India

Department of Chemistry

File No.: NITT/R&C/544/SERB/CHY/SS

Date:03/01/2022

ADVERTISEMENT

Applications are invited from Indian Nationals with valid GATE scores or qualified in National Level Eligibility Test for the position of Junior Research Fellow (JRF) (only one vacancy) of the DST-SERB (Core Research Grant) project titled “**Atomistic simulations of photoexcited processes of carbon dots based nanohybrids for the rational design of efficient light-harvesters**” under the guidance of Dr. Sunandan Sarkar (principal investigator), Assistant Professor, Department of Chemistry, National Institute of Technology, Tiruchirappalli, Tamil Nadu, 620015.

Position & Number	Junior Research Fellow – 01
Essential Qualification	M.Sc. in Chemistry with a minimum of 65% marks or 6.5 CGPA from a recognized University or Institute with qualified and valid GATE/NET in Chemistry/Chemical Sciences. Age should be less than 28 years.
Desirable	Knowledge in Physical Chemistry topics.
Job Description	1. Applying the advanced Electronic Structure Methods, i.e., Density Functional Theory (DFT), Time Dependent DFT, and SCC-DFTB, to perform the project. 2. Development of the computational techniques towards the projects' aims. 3. Execution of the related activities in data collection, analysis, presentation, equipment procurement, etc. 4. The candidate selected as Junior Research Fellow will be permitted to register for the Ph.D. program as per NITT rules and regulations.
Duration of Project	36 Months (extension based on performance review every 12 months).
Salary	Rs. 31,000+16% HRA for the first two years and Rs. 35,000+16% HRA for the third year.



National Institute of Technology Tiruchirappalli,
Tiruchirappalli – 620015, Tamil Nadu, India

Other Important Instructions:

- Candidates before appearing for the interview shall ensure that they are eligible for the position they intend to apply.
- Eligible candidates must fill the application through online in the given **Google Form Link**: <https://forms.gle/CAbzbrju9gYDpNLQ6> and upload the scanned copy of their duly filled applications (*only in the prescribed format given in this advertisement*) along with the relevant supporting documents as a single pdf file (Name your pdf file like: yournameDOB.pdf). If any clarification, please contact by email PI: ssarkar@nitt.edu with the subject marked as “**JRF Application DST-SERB (CRG)**.”
- A candidate with an excellent academic record, research potential, and relevant experience will be given preferences. However, the selection of the candidate would be based on their performance in the interview.
- The interview date will be communicated to the shortlisted candidates by email only. No T.A/D.A will be paid for attending the interview.
- The selection committee decision is final. If any applicant is found to canvass in any manner, the candidate selection shall be summarily rejected.
- The last date for receipt of applications is **18.01.2022**.

S. Sarkar 03/01/2022

Dr. Sunandan Sarkar, Principal Investigator (PI)

Assistant Professor, Department of Chemistry,

National Institute of Technology Tiruchirappalli,

Tiruchirappalli, 620015, Tamil Nadu.

OFFICE OF THE DEAN (R & C), NIT, TIRUCHI
RECRUITMENT OF TEMPORARY PROJECT STAFF - APPLICATION FOR THE
POST OF RESEARCH ASSOCIATE / JRF

<p>For Office Use only</p> <p>Serial Number allotted to the Applicant</p> <p style="text-align: center;">Signature of the Application Screening Committee Chairman</p>	<p>Paste here your recent passport size color Photograph</p>
--	--

APPLICATION FOR THE POST OF RESEARCH ASSISTANT / JRF

1. Name of the Candidate in full					
2. Nationality					
3. Mother Tongue					
4. Date of Birth	Date	Month	Year		
5. Sex	Male / Female				
6. Marital Status	Married / Single				
7. Category SC / ST / OBC / General	Please specify				
8. Address for communication with Mobile number and E Mail ID					
9. Project Title					
10. Name of the Post applied for					
11. Advertisement Number with Date					
Academic Career : Enclose photo copies of the qualifying degree certificates and mark sheets/ grade cards showing the percentage of marks or CGPF from HSC onwards					
Name of Exam	School / University	Board/ University	Broad subjects of study	Year of Passing	% of marks / GCPA
S.S.L.C					
H.S.C					
Graduation					
Post-Graduation					
PhD					

Enclose self-attested Xerox copies

13. GATE Score..... Subject
..... Year.....

14. NET Score
..... Subject..... Year.....
.....

15. Work Experience, if any

Organization	Designation	Duration		Nature of Job
		From	To	

16. Previous Research work and publication, if any (enclose copies of published or unpublished work)

17. Proof of past study as a sponsored candidate, or other contractual obligation, if any:

18. Reference

Name	Address	Phone & E Mail ID

19. I do not have a relative among Faculty and Staff of the NIT, Trichy.

20. Declaration: I do hereby that the information furnished in the application is true to the best of my knowledge and belief. If admitted, I shall abide by the rules and regulations of the Institute and Project associated to it. If any information furnished in this application is found to be untrue, I am liable to forfeit the seat / appointment allotted to me any time in future and legal action be taken against me.

Date:

Full signature of the Applicant

List of Enclosures: (1)
(2)
(3)
(4)