



Department of Mathematics
National Institute of Technology Tiruchirappalli – 620 015,
Tamil Nadu, India

ADVERTISEMENT FOR THE RECRUITMENT OF RESEARCH ASSOCIATE

Dated: 08 / 07 / 2024

Applications are invited from Indian Nationals only for Project Positions (Research Associate – RA) for research project of Anusandhan National Research Foundation (ANRF) under the Science and Engineering Research Board (SERB) scheme Core Research Grant (CRG), under the principal investigator [Dr. Jitraj Saha](#) in the Department of Mathematics, National Institute of Technology, Tiruchirappalli-15, Tamil Nadu.

1.	Title of the Project	The nonlinear evolution equations for particulate models: Well-posedness, Asymptotic analysis and Numerical simulations
2.	Funding Agency for the Project	Science and Engineering Research Board (SERB) scheme Core Research Grant (CRG)
3.	Project Positions and Number	Position - <u>Research Associate (RA)</u> ; Number of vacancies - <u>01</u>
4.	Eligibility	Applicants must be capable of doing independent research work and have published at least 2 research papers in peer reviewed SCI/SCIE journals. At the time of application, applicant's age should be below 35 years.
5.	Qualifications (desirable academic expertise)	Mandatory qualification: PhD in Mathematics or PhD Thesis submitted in Mathematics Desirable expertise: Applicant must have strong knowledge <u>EITHER</u> in the i) theoretical studies of PDEs, <u>OR</u> ii) computing techniques for solving PDEs using Matlab, Mathematica. (Applicants specialized in Monte-Carlo techniques, PINN, ML etc. are preferable), <u>OR</u> iii) Both mentioned above.
6.	Emoluments	₹ 58,000 + 16 % HRA per month
7.	Duration	Initially for 12 months (extendable upto a maximum of 36 months (including initial 12 months)) or till the duration of the project completion whichever is earlier
8.	Job Description	The Research Associate has to i) Execute the research work detailed in the research project (theoretically in computationally) ii) Compilation of the outcomes of the project iii) Report preparation iv) Any other works as per NIT Tiruchirappalli norms.



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- A. Candidates before appearing for the interview shall ensure that they are eligible for the position they intend to apply. Mere filling and submission of the application form does not guarantee the position of the candidate.
- B. Candidates desiring to apply for the RA position should email their applications with the supporting documents to the Principal Investigator (PI) through email to jitraj@nitt.edu and cc to jitraj343@gmail.com. The subject of the email should be “**Application for the Research Associate (RA) position in the SERB-CRG-project, department of mathematics, NIT Tiruchirappalli**”. All documents should be merged in a single pdf. The documents should be arranged as follows
- i) Duly filled application
 - ii) Supporting documents in the order as they appear in the application
 - iii) Aadhar / PAN card
- C. Application should be furnished only in the prescribed format.
- D. Experience including research, industrial field and others.
- E. Self-attested copies of degree / certificate and experience certificate.
- F. Candidates shall bring along with them the original certificates at the time of interview for verification.
- G. Please note that **no TA / DA is admissible for attending the interview.**
- H. The last date and time of submission of duly filled in application through email to the PI is **29 / 07 / 2024 on or before 5:00 PM.**

JITRAJ SAHA

Name and Signature of the Principal Investigator

Note: Application Format prescribed for Project Staff Recruitment is given in Format Number 9. Applicants can download the word file from [here](#).

**RECRUITMENT OF TEMPORARY RESEARCH ASSOCIATE
(PRESCRIBED APPLICATION FOR THE POST OF RESEARCH ASSOCIATE)**

For Office Use only Serial Number allotted to the Applicant Signature of the Application Screening Committee Chairman	Paste here your recent passport size color Photograph
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APPLICATION FOR THE POST OF RESEARCH ASSOCIATE (RA)

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. PhD Thesis Title	
10. Date of award of degree / submission of thesis (thesis submission certificate to be enclosed)	
11. Name of the Post applied for	
12. 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 / Specialization	Year of Passing	% of marks / CGPA
S.S.L.C					
H.S.C					
Graduation					
Post-Graduation					
PhD#					NA
Any other					

Enclose self-attested photocopies of all degree certificates and mark sheets.

PhD details:

- a) Title of the PhD Thesis:
- b) Name, address (with email and phone) of the supervisor:
- c) Brief synopsis of the PhD thesis (max. 150 words):

13. GATE ScoreSubjectYear.....

14. NET ScoreSubject.....Year.....

15. Work Experience, if any

Organization	Designation	Duration		Nature of Job
		From	To	

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

SCI / SCIE			Scopus		
Published in		Under review	Published		Under review
Q1			Q1		
Q2			Q2		
Q3			Q3		

i) ORciD link:

ii) Scopus link:

17. Plan for research:

i) Short term plan (max. 150 words)

ii) Long term plan (max. 150 words)

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

19. Reference

Sl. No.	Name	Work Address	Phone & E Mail ID
i)			

ii)			
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20. I do not have a relative among Faculty and Staff of the NIT, Tiruchirappalli.

21. 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)

