



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](#).