



Research and Development Section Indian Institute of Technology Guwahati Guwahati-781039, Assam

Applications are invited for an **Online interview** for the following post(s) in the SERB funded project entitled, "**Mathematical modelling of flow and transport in porous media: A homogenization approach**" at the Department of Mathematics, IIT Guwahati.

Date: 24th November 2022 (Thursday)

Time: To be informed to the shortlisted contact via email

Venue/Online: Microsoft Teams/ Google Meet

SI No.	Project Staff Designation	Number of Vacancies	Pay Recommended	HRA	Medical	Total Amount	Duration of Appointment in months	Qualifications
1	JRF (GATE/NET)	1	31000	No	No	31000.00	11	Essential Qualifications: 1. M.Sc/Integrated M.Sc./BS-MS in Mathematics with exceptionally good academic record with a minimum CGPA of 7.0 on a scale of 10.0 or equivalent or 65% marks with a valid GATE/CSIR-NET/NBHM/UGC score. OR 2. Master degree in Mechanical/Chemical Engineering with exceptionally good academic record with a minimum CGPA of 7.0 on a scale of 10.0 or equivalent or 65% marks with a valid GATE score. Desired Qualifications: 1. Very good knowledge of analysis and

								<p>numerical solutions of partial differential equations.</p> <p>2. Good knowledge of numerical tools (such as MATLAB, Python, C/C++ etc.).</p> <p>3. Good written and oral communication skills, and the ability to work independently as well in collaboration with others.</p>
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The candidate will be required for developing upscaled mathematical model(s) and for numerical simulations of flow and transport through heterogeneous and anisotropic porous media. Prior knowledge of fluid dynamics, high performance computing and asymptotic analysis are not mandatory, but will be a plus.

How to Apply?

Combine the following documents as a single PDF file and submit via email to the Principal Investigator (PI) on or before **5 PM, November 18, 2022**.

1. Completely filled application form (given on the following sheet).
2. Detailed CV (detailing prior research experience, if any).
3. Copy of all degree certificates.

Selection process:

The shortlisted candidates will be informed via email on **November 21, 2022**.

For any clarification, contact: Dr. Satyajit Pramanik (Principal Investigator), Assistant Professor, Department of Mathematics, IIT Guwahati, Guwahati – 781039, Assam, India

Email: satyajitp@iitg.ac.in

Phone: 9871407809

**Application form for JRF (Contractual) for SERB sponsored project entitled,
"Mathematical modelling of flow and transport in porous media: A homogenization
approach"**

Recent Photograph

Personal Details

Full Name (In capital)			
Date of Birth (DD/MM/YY)		Category (General/SC/ST/OBC)	
Age (in years)		Gender (Male/Female)	
Marital Status (Single/Married)		Nationality	
Address for Communication		Permanent Address	
Mobile/ Phone No.		Email:	

Details of School/University/Institute Studied (From Matriculation Onward)

S. No.	Degree	Discipline	University/Institute	Regular/ Part-time	Year	%Marks /CGPA*	Division
1.							
2.							
3.							
4.							
5.							

**[Please also submit copy of the semester-wise mark-sheets as well as copy of degree]*

Qualifying Examination (GATE/CSIR/UGC/Others)

Qualifying Examination (& name of subject)	Branch	Year	Valid Up to	Percentile (& Score)	All India Rank

Professional Experiences (Teaching/Research/Industrial) if any

Name of Organization	Designation	Nature of Work	From	To

Research Publications:

[Also attach softcopy of conference/journals papers separately, if applicable]

Awards, patents, prizes etc (if any):

Any other Relevant Information:

DECLARATION

I hereby declare that I have carefully read the instructions and particulars supplied to me and that the entries made in this application form are correct to the best of my knowledge and belief. If selected, I promise to abide by the rules and discipline of the Institute. I note that the decision of the Institute is final in regard to selection. The Institute shall have the right to expel me from the Institute at any time after my selection, provided it is satisfied that I was selected on false particulars furnished by me or my antecedents prove that my continuance in the Institute is not desirable. I agree that I shall abide by the decision of the Institute, which shall be final.

Place :

Date :

Signature of Applicant