

INDIAN INSTITUTE OF TECHNOLOGY, ROORKEE
(Physics Department)

Dated: 29/01/2026

ADVERTISEMENT TO FILL UP PROJECT POSITIONS*

Applications are invited from Indian nationals only for project position(s) as per the details given below for the consultancy/research project(s) with the Principal investigator (Name: Sachin Kumar Srivastava), Dept./Centre Physics, Indian Institute of Technology, Roorkee.

1. Title of project **Development of a photonic diagnostic system for Gastro-Intestinal Infections through detection of viruses in stool using Machine-learning enabled Plasmon Enhanced Raman Sensing (GIMPERS)**
2. Sponsor of the project **ICMR**
3. Project position(s) and number **Project Research Scientist (Non-Medical) -01**
4. **Qualifications**
 - a) PhD in the discipline of Physics/ Nanoscience and Nanotechnology/ Biotechnology and Bioscience/ Bio-medical Engineering/ Photonics
 - b) Desirable:
 - i. The applicant must have worked on and published papers in the fields of photonic/ plasmonic/ nanostructured sensors/biosensors/ SERS, machine learning, etc. in his/her PhD degree.
 - ii. Candidates who have working knowledge of both theory and experiments in the aforementioned field will be given preference.
 - c) Candidates who have recently submitted their thesis are also eligible to apply subject to the condition that they will furnish the proof of the award of Ph.D. degree at the time of interview at IIT Roorkee, if shortlisted.
5. Emoluments **Rs. 56000 per month** (+ HRA, as per rules)
6. Duration **12 months** (Extendable up to the project duration subject to the performance review)
7. Job description: **To design and develop plasmonic sensor chips for SERS based virus detection in stool samples and use machine learning for analysis**

How to Apply:

Candidates can apply with (i) cover letter, (ii) curriculum vitae, (iii) list of publications (with the most significant publications highlighted), (iv) research statement describing past research and plans for future research in the context of the title of project, and (v) self-attested copies of degree(s)/certificate(s) by e-mail (for email, Subject Line: Application for Project Research Scientist position in GIMPERS project' and **All the documents merged in one PDF file** named as "**Candidate Name_Institute of PhD Degree_Year of PhD**"), not later than **10th February 2026** to: sachin.srivastava@ph.iitr.ac.in

Note: Preference will be given to SC/ST candidates on equal qualifications and experience.

Tel: 9023082848/ 01332-28-5715

Sachin Kumar Srivastava
Principal Investigator

contd. 2/-

29/01/2026
2

The walk in interview will be held online on 11/02/2026 from 2:30 PM onwards using WebEX platform at

Meeting link:

<https://iitroorkee.webex.com/j.php?MTID=mff41d789d24ad42cb71506a2c9b3daf2>

Meeting number:

2643 616 1158

Password:

r3rYWpFV2b4

Host key:

808239

Join by video system

Dial 26436161158@iitroorkee.webex.com

You can also dial 210.4.202.4 and enter your meeting number.

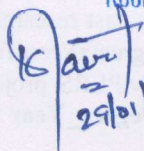
About the Research Group:

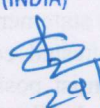
Please browse the following links: https://www.iitr.ac.in/~PH/Sachin_Kumar_Srivastava

Personal Website: <https://sachink7.wixsite.com/app-lab>

Approved


Dean
Sponsored Research & Industrial Consultancy
Indian Institute of Technology Roorkee
Roorkee-247 667 (INDIA)


29/01/2026


29/01/26