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SRIC/06

INDIAN INSTITUTE OF TECHNOLOGY, ROORKEE  
Dept. of Physics

Dated: 19/09/2024

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) under the Principal investigator (Name: **Shiladitya Sengupta**), Dept./Centre **Physics**, Indian Institute of Technology, Roorkee.

1. Title of project **Membrane-bound, motile hydrogel-based dredgers for microplastic capture and remediation**
2. Sponsor of the project **STARS-2** (Scheme for Transformational and Advanced Research in Sciences), Ministry of Education, GoI and Indian Institute of Science
3. Project position(s) and number **1 RA-I / SRF / JRF**
4. Qualifications

**RA-I:** PhD in Physics or relevant subjects.

**SRF:** MSc in Physics or relevant subjects plus 2 years of research experience as JRF with GATE/NET.

**JRF:** MSc in Physics or relevant subjects with GATE/NET.

All candidates (RA-I/SRF/JRF) should have strong academic background, including in any one or more of these subjects: *classical mechanics, fluid dynamics, soft condensed matter physics and associated numerical modelling.*

5. Emoluments

**RA-I:** 58,000/- p.m. + HRA as per IITR rules, **SRF:** 42000/- p.m. + HRA as per IITR rules

**JRF:** 37000/- p.m. + HRA as per IITR rules

6. Duration 1 year, with possibility to renew for another 1 year based on performance.

7. Job description

1 Research Associate (RA-I) / SRF / JRF position is available at the group of Dr. Shiladitya Sengupta in the Dept. of Physics, IIT Roorkee, to work in the project “*Membrane-bound, motile hydrogel-based dredgers for microplastic capture and remediation*”.

*Shiladitya Sengupta*  
23/09/2024  
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