



Date: 01/06/2026

**Applications are invited for the position of
Post-Doctoral Fellow (PDF)**

Project ID	N/I/IDS/2026/0167
Project Title	Development of rapid and cost-effective Surface Enhanced Raman Spectroscopy (SERS) based sensor for microplastic detection in water
Designation	Post-Doctoral Fellow (PDF)
Number of Positions	One
Duration	24 months or co-terminus with the project, whichever is earlier
Emoluments per Month	₹70,900/- consolidated
Essential Qualifications	1. PhD in Chemistry/Physics/Nanoscience/Food Science/Environmental Chemistry/Allied Sciences. 2. NET/GATE qualified candidates with a prior publication record in relevant areas may be given preference.
Age Limit	Maximum 35 years (relaxation of 5 years for women/ SC/ ST/ OBC/ differently abled as per the Govt. of India Rules).
Desirable	1. The candidate should preferably have hands-on experience in Raman spectroscopy, AI-ML inference for Spectral interpretation and optimization 2. Strong experience in Nanoparticle Synthesis and Characterization 3. Experience in Optical Sensor Development for detection of pollutants/contaminants will be considered advantage. 4. Additional Desirable Qualities: Strong publication record in high-impact journals (Minimum 2 Scopus indexed), Ability to work independently on interdisciplinary projects, Experience handling sophisticated analytical instruments, Good scientific writing and presentation skills.

General Information:

1. Only short-listed candidates will be called for an interview.
2. No TA/DA will be provided to candidates for attending the interview.
3. The date and time of the interview will be communicated to the candidates via email only.
4. Candidates should appear for the interview with their original certificates and other

How to Apply:

Interested candidates should fill the application form **on or before 24/06/2026** using link <http://career.droniftem.com/>, with enclosed scanned self-attested supporting documents.

For any query please write an **e-mail** to croprojectniftem@gmail.com