



INDIAN INSTITUTE OF TECHNOLOGY BOMBAY POWAI, MUMBAI 400076.

Advertisement No.: IRCC/EXT009/2022

Job Title

Junior Research Fellow

Job Reference Number

50283944

Application End Date

07.02.2022

Type of Employment

Proj. Staff Contract

No. of Position(s)

1

IITB Project Recruitment:

Project title: Per/polyfluorinated alkyl substances (PFAS) removal from natural water systems using naturally derived sorbents: role of co-contaminants and regeneration chemistry

About the project: The project is on PFAS removal using naturally derived adsorbents from natural water samples. The project involves adsorbent synthesis, their characterization using batch equilibrium and kinetic tests, regeneration potential and selectivity for PFAS. The role of background species present in the water samples will be investigated. Subsequently, a lab-scale packed-bed column will be designed and operated to continuously remove PFAS from aqueous media.

Essential Qualifications & Experience:

The candidates should have post-graduate degree (M.Tech/M.Sc./MS) in Engineering (Environmental, Chemical) or Sciences (Chemistry). selected through a process described through any one of the following:

a. Scholars who are selected through National Eligibility Tests - CSIR-UGC NET including lectureship (Assistant Professorship) and GATE.

b. The selection process through National level examinations conducted by Central Government Departments and their Agencies and Institutions such as DST, DBT, DAE, DOS, DRDO, MHRD, ICAR, ICMR, IIT, IISc, IISER etc.

Job Profile:

The experience in conducting lab experiments and analytical techniques in water chemistry area are desirable. Candidates with specific experience in adsorbent synthesis and its characterization are encouraged to apply.

Pay Details:

Consolidated salary Rs.31000/- p.m.

General information:

The position is temporary for a period of 89 days and tenable only for the duration of the project. The

appointment is for time bound project and the candidate is required to work mainly for the successful completion of the project. The selection committee may offer lower or higher designation and lower or higher salary depending upon the experience and performance of the candidate in the interview. Candidates called for interview will be required to attend at his/ her own expenses. For any queries/clarification please contact: recruit@ircc.iitb.ac.in