

Institute of Chemical Technology
(University Under Section 3 of UGC Act- 1956)
Elite status and centre of Excellence – Govt. of Maharashtra

Date: 9th March 2021

Applications are invited for RA (Research Assistant).

1. **Title:** BEFWAM-Bioenergy, Fertilizer And Clean Water From Invasive Aquatic Macrophytes
2. **Sponsor:** BBSRC, UK
3. **Fellowship:** 20,000/- per month (Consolidated)
4. **No. of Fellowships:** 1
5. **Tenure:** 1 Year, Extendable for 1 year, based on performance.
6. **Eligibility:** The Candidate should Posses bachelor's degree in chemical engineering or allied branches and minimum 2 years experience in research, is desirable.
7. **Supervisors:** Dr. V. H. Dalvi
8. **Last Date for Application:** March 17th, 2021
9. **Project Description:**

Anaerobic digestion is a very promising method to unlock the energy potential of invasive macrophytes like water hyacinth. The goal of this project is to develop the next generation of anaerobic digesters by systematically applying concepts of chemical and biochemical engineering. The candidate will be required to conduct extensive laboratory experiments and develop kinetics of each stage of the anaerobic digestion process. The candidate will also be required to fabricate/procure and assemble the experimental apparatus and instruments and develop mathematical models. The candidate will also be involved in setting up pilot scale studies of the digesters. The candidate will be exposed to fundamental of biochemical reaction engineering, kinetics and mathematical modelling and simulation and will be able to carry out independent research in biochemical engineering and energy.

10. **Interview:**

Interested candidates should send their application including cover letter, CV and relevant supporting documents in a single PDF by email (vh.dalvi@ictmumbai.edu.in). Please mention in the subject of email "BEFWAM RA". The applications should reach before 12.30pm on 17/03/2021, along with cover letter and curriculum vitae. Based on relevant experience, only shortlisted candidates will be called for interview.

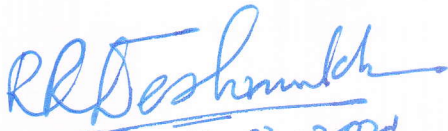
The interview will be held on 19th March 2021 at 3:30 pm via. online platform like MS Teams or Zoom meeting, details for which will be conveyed to shortlisted candidates.

11. The Research Assistant (RA) will be appointed for the period of 1 Year, Extendable for 1 year, based on performance.. This position is purely temporary and will terminate with the tenure.

Selection will be based on an interview conducted by a committee.

The recommendation of the committee will be final.

No TA/DA will be provided to appear for this interview.


10-03-2021

Registrar,

ICT, Mumbai