

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

Date: 30th January 2023

Applications are invited for Junior Research Fellow (JRF).

1. **Title:** Development and application of novel indigenous solar thermal harvester (HOTS)
2. **Sponsor:** J. B. Joshi Research Foundation
3. **Fellowship:** As per the DST guidelines
4. **No. of Fellowships:** 2
5. **Tenure:** 3 Years (Extendable as per project requirements)
6. **Eligibility:** The candidates should have cleared the ICT PhD entrance exam for either the chemical engineering department or the general engineering department or the physics department.
7. **Supervisors:** Dr. V. H. Dalvi, Prof. Sudhir Panse, Prof. J. B. Joshi
8. **Last Date for Application:** February 6th, 2023 (End of Day)
9. **Description of the Project:**

In view of the climate change crisis, solar energy is being considered as a priority source. Though this technology has been known for several centuries, current designs of solar harvesters are not optimal for commercialization. The present ongoing project is concerned with development of indigenous, efficient, and economical designs of solar harvesters: which is termed as the HOTS series. The research work is expected to have a balanced approach between fundamental understanding and hardware development. An effort will also be made to develop and test commercial scale designs.

10. **Interview:**

Interested candidates should fill in the following Google Form <https://forms.gle/JMeNqEbLAh1VAKT39>: where they can upload a cover letter and an updated CV. The form will stop accepting responses at 5.30pm on 06/02/2023. Only shortlisted candidates will be called for interview. The date and venue of the interview will be communicated to the shortlisted candidates in the second week of February 2023.

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 though online interviews are possible for those who are unable to travel.

Registrar,

ICT, Mumbai