

INSTITUTE OF CHEMICAL TECHNOLOGY, MUMBAI - 400019
TECHNICAL EDUCATION QUALITY IMPROVEMENT PROGRAMME II (TEQIP-II)

ADVERTISEMENT FOR RESEARCH ASSISTANTS
WALK-IN-INTERVIEW

Applications are invited from interested candidates as research assistants for the various research projects for TEQIP-II Centre of Excellence in Process Intensification (CoE-PI) supported by MHRD, GoI, New Delhi. The details related to various projects, eligibility criteria are given below:

Sr.No.	Research Projects
1	Microwave Assisted/enzyme mediated extraction/synthesis of bioactive colorants lutein/lycopene/indigoid/azulenes
2	Microwave Assisted Process Intensification : Experimental investigation for vapour phase catalytic reaction
3	Dyeing of Polyester and its blend using Nano-emulsions
4	Enzymatic process intensification for the manufacture of structured lipids to enhance the yield
5	Sorption-Enhanced Hydrogen Production
6	Process Intensification of Crystallization using sonochemical reactors
7	Design aspects of two-opposed-jet micro-extractor : Experimental and Computational Fluid Dynamics
8	Microwave, Ultrasound, and solar energy assisted preparation of metal oxide nanomaterials
9	Process development of Nanostructured Metal Oxides by Sonochemical Technique
10	Microwave assisted Halogenation reactions using flow reactor
11	Process intensification through catalytic processes- Microwave Assisted Bifunctional Catalysis For Tandem Reactions
12	Process Intensification For Extraction Of Turmeric And Pepper Oleoresin By Enzyme-Assisted Supercritical Carbon Dioxide
13	Extraction of Natural Ingredients using novel extraction techniques

Eligibility Criteria: The candidates having B.E./ B. Tech. in Chemical Engineering or Chemical Technology, B. Pharm., Masters Degree in Chemical Engineering/Technology, Pharmacy and M.Sc. (Chemistry) or equivalent with first class are eligible to apply. The selected candidates will be given consolidated stipend of ₹ 14,000 per month (Masters Degree in Chemical Engineering/Technology, Pharmacy or equivalent) and ₹ 10,000 per month (B.E./ B. Tech. in Chemical Engineering or Chemical Technology, B. Pharm., M.Sc. (Chemistry) or equivalent).

Mode of Selection: Candidates will be selected based on personal interview.

Duration: Six month (extendable up to December 2014 based on performance)

Candidates should come along with their bi-data and attested copies of relevant certificates on 14-02-2014 at 11 am to Chemical Engineering Office, Institute of Chemical Technology, Matunga (East), Mumbai 400 019. (No TA/DA will be given to the candidates).


CoE-PI Coordinator