CSIR-NATIONAL CHEMICAL LABORATORY
PUNE - 411008

No: 2025/CSIR-NCL/CEPD/CSR000626/441 **Date:** 21/01/2025

Division: CHEMICAL ENGG. & PROCESS DEVELOPMENT(CEPD)

NOTICE

Subject: Centre For Sustainable And Continuous Manufacturing

Applications are invited online for filling up of position on a purely temporary basis, in the prescribed proforma. The details of the Sponsored Project under which engagement is proposed to be made is as under.

Title of Project: Centre for Sustainable and Continuous Manufacturing at NCL

Name of Sponsoring Agency: Industry

Project Code	CSR000626
Post Name	Project Associate-I
No. of Position:	5
Minimum prescribed educational Qualifications	(i) MSc. in organic chemistry from a recognized University OR Any equivalent qualifications duly recognized by the concerned authority as per the functional requirement; (ii) One (01) year experience in Research and Development in Industrial and Academic Institutions or Science and Technology Organizations and Scientific activities and services.
Desirable Qualification/ experience, if any	A good understanding of organic synthesis, including expertise in reaction mechanisms, stereochemistry, and functional group transformations, is essential. The candidate should have hands-on experience with flow reactors, microreactors, or tubular systems and be proficient in analytical techniques like HPLC, GC, NMR, and LC-MS for real-time reaction monitoring. Familiarity with green chemistry principles and safe handling of hazardous chemicals are also essential.
Age Limit*	35
Job requirement	The job requires a candidate with an M.Sc. in Organic Chemistry and a strong background in designing and executing organic synthesis for various molecules. The candidate should possess expertise in hands-on experience in laboratory-scale synthesis, optimization of reaction conditions, and generating scale-up data, which is essential. Proficiency in analytical techniques such as HPLC, GC, NMR, and LC-MS for reaction monitoring and product characterization is required. Familiarity with process scale-up, continuous-flow systems, and safe chemical handling is highly desirable.

Consolidated emoluments per month	(i) 31,000/- + HRA those candidates who have qualified CSIR-UGC / ICAR / ICMR NET incl. lectureship/ assistant professorship or GATE OR those who have qualified National level examinations conducted by central Government Departments like DBT/ DST or equivalent and/or their Agencies/ Institutions. (ii) 25,000 + HRA for others who do not fall under (i) above

Project Code	CSR000626
Post Name	Project Associate-I
No. of Position:	5
Minimum prescribed educational Qualifications	(i) Bachelor's degree in Chemical Engineering or Technology from a recognized University or equivalent; and (ii) Two (2) years' experience in Research and Development in Industrial and Academic Institutions or Science and Technology Organizations and Scientific activities and services.
Desirable Qualification/ experience, if any	A Chemical engineer with a strong understanding of chemical reaction engineering and transport phenomena is required. The ideal candidate should have experience in continuous flow synthesis and reactor design, with demonstrated expertise in developing and optimizing chemical processes. Hands-on experience in process development and scale-up is essential, with a minimum of 1 year of relevant experience gained in either an academic or industrial setting. The candidate should also have familiarity with modeling and simulation tools such as Aspen Plus, ChemCAD, or COMSOL.
Age Limit*	35
Job requirement	The candidate will work on developing continuous synthesis protocols based on laboratory-scale data, focusing on designing, developing, and optimizing pilot plants equipped with continuous reactors. Responsibilities include translating lab-scale findings into scalable processes, conducting reaction kinetics and transport studies, and ensuring efficient scale-up from bench to pilot scale. The candidate needs to work on improving reactor designs and optimizing process parameters to achieve the required conversion/product with continuous processes.
Consolidated emoluments per month	(i) 31,000/- + HRA those candidates who have qualified CSIR-UGC / ICAR / ICMR NET incl. lectureship/ assistant professorship or GATE OR those who have qualified National level examinations conducted by central Government Departments like DBT/ DST or equivalent and/or their Agencies/ Institutions. (ii) 25,000 + HRA for others who do not fall under (i) above

* The upper age limit is relaxable upto 5 years in the case of candidates belonging to SC/ST/PWD/women, and 3 year for OBC candidates.

The engagement will be initially for a period of twelve months which may be extended or curtailed depending on the duration of the tenure of sponsored project / satisfactory performance or conduct of the appointee, as the case may be. The engagement will be purely on temporary basis and shall not be CSIR/NCL appointment, temporary or otherwise and shall not entitle the appointee to any right/claim whatsoever, implicit or explicit, for his/her consideration against any CSIR-NCL post/fellowship.

How to Apply:

1. Eligible candidates are required to apply ONLINE only through our website.
2. Link to apply :**https://jobs.ncl.res.in**
3. Details can be read from section Jobs Vacancies: **https://www.ncl-india.org**
4. Candidate should have a valid email before applying online.
5. Scanned photo/signature in JPG/JPEG format only.
6. Candidate's Photograph File size must be less than **50 kb**.
7. Candidate's Signature File size must be less than **25 kb.**
8. Readable scanned copies of Mark sheet(SSC, HSC, Graduation, Master, PhD,etc)
9. **Keep ready pdf file of all testimonials.**
10. Read all instructions title '**How To Apply**' available at website.

The application should be filled online on or before **30/01/2025.** Late applications will not be considered.

The prescribed educational qualifications are a bare minimum and merely possessing of same will not entitle candidates to be called for interview. Where number of applications received in response to this Notice of engagement is large, it may not be convenient or possible to interview all the candidates. Based on the recommendation of the Screening Committee, the Project Leader may restrict the number of candidates to be called for interview to reasonable limits after taking into consideration qualifications and experience over and above the minimum qualifications prescribed in the Notice. Therefore, it will be in the interest of the candidates, to mention all the qualifications and experience in the relevant field on date of advertise.

The candidates recommended by the Screening Committee to be called for interview would be notified on the website as well as divisional Notice Board on **31/01/2025** or the candidates may ascertain the information by contacting Dr. Amol A. Kulkarni email id: **aa.kulkarni@ncl.res.in** contact No: **02025902780**

Shortlisted candidates will be required to appear before the Selection Committee for an online interview. For online interview URL link will be provided to shortlisted candidate later via email on or before **31/01/2025**.

Interview will be conducted on **03/02/2025** from online through a suitable medium such as Microsoft Teams, Google Meet, Cisco WebEx etc.

No interview call letter will be issued separately.
No TA/DA will be admissible for appearing for the interview. Selected candidates will have to join duty immediately on receipt of the offer of engagement.

Dr. Amol A. Kulkarni
Project Leader (Name & Signature)

Notice Boards