

**CSIR-NATIONAL CHEMICAL LABORATORY
PUNE - 411008**

No: 2025/CSIR-NCL/ORG/SSP307826/673

Date: 23/12/2025

Division: ORGANIC CHEMISTRY(ORG)

NOTICE

Subject: Development And Evaluation Of Carbonic Anhydrase Mimic Pincer-Metal Catalysts For CO₂ Capture And Conversion From Flue Gas

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: Development and Evaluation of Carbonic Anhydrase Mimic Pincer-Metal Catalysts for CO₂ Capture and Conversion from Flue Gas

Name of Sponsoring Agency:

Project Code	SSP307826
Post Name	Project Associate-I
No. of Position:	1
Minimum prescribed educational Qualifications	Master/Integrated Masters in Natural Sciences/Chemical Sciences (Chemistry) from a recognized University OR any equivalent qualifications duly recognized by the concerned authority as per the functional requirement
Desirable Qualification/ experience, if any	M.Sc. in Organic or Inorganic Chemistry from a recognized University. Candidate with hands on experience in catalysis and catalyst synthesis will be given preference.
Age Limit*	35
Job requirement	Student is expected to develop transition metal based homogeneous catalysts, organometallic catalysts and perform catalytic reactions involving CO ₂ capture.
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	SSP307826
Post Name	Project Associate-I
No. of Position:	1
Minimum prescribed educational Qualifications	Master/Integrated Masters in Natural Sciences/Chemical Sciences (Chemistry)/Nanoscience from a recognized University OR Any equivalent qualifications duly recognized by the concerned authority as per the functional requirement

Desirable Qualification/ experience, if any	M.Sc. Qualification (with above 60 % marks). Age not exceeding 35 years as of the date of interview. The position requires experience in nano particle synthesis, carbon capture, and gas absorption studies, along with competence in thermal analysis, SEM, TEM, SCXRD, PXRD, NMR, FTIR, and related characterization techniques. Prior experience in scientific writing will be considered an advantage.
Age Limit*	35
Job requirement	The candidate is expected to synthesize the nanoparticles and their characterization. The work will involve optimizing conditions for CO ₂ capture, studying phase behavior, and assessing the efficiency and selectivity of CO ₂ uptake. The project also includes detailed structural and physicochemical characterization of the resulting crystalline materials using single-crystal and powder XRD, thermal analysis, and complementary spectroscopic or microscopic techniques. The candidate will be responsible for interpreting the data, establishing structure–property relationships, and contributing to the development of a scalable CO ₂ capture process.
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 coterminous with the tenure of sponsored project subject to 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 **06/01/2026**. 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 **08/01/2026** or the candidates may ascertain the information by contacting Benudhar Punji email id: **b.punji.ncl@ncl.res.in** contact No: **25902733**

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 **08/01/2026**.

Interview will be conducted on **09/01/2026** from **10:00 AM** 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.



Benudhar Punji
Project Leader (Name & Signature)

Notice Boards