

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

No: 2022/CSIR-NCL/CAT/MLP103026/63

Date: 23/03/2022

Division: CATALYSIS & INORGANIC CHEMISTRY(CAT)

NOTICE

Subject: Photocatalyst Device Development Towards Large Scale Solar Conversion Of CO₂ + H₂O To Value Added Products

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: Photocatalyst Device Development Towards Large Scale Solar Conversion Of CO₂ + H₂O To Value Added Products

Name of Sponsoring Agency: CSIR

Project Code	MLP103026
Post Name	Senior Project Associate
No. of Position:	1
Minimum prescribed educational Qualifications	Master's Degree in Natural or Agricultural Sciences/MVSc or bachelor's degree in Engineering or Technology or Medicine from a recognized University or equivalent; and (ii) Four(4) years' experience in Research and Development in Industrial and Academic Institutions or Science and Technology Organizations and Scientific activities and services; OR ME /M.Tech in Engineering or Technology from a recognized University or equivalent with TWO years' experience in R&D in industrial and Academic Institutions or S&T Organizations and Scientific activities and services; OR Doctoral Degree in Science/Engineering/Technology/Pharma/MD/MS from a recognized University or equivalent Those who want to apply for post code 1 and 2, should submit separate applications online.
Desirable experience, if any	PhD completed in Chemistry/Physics. One year Post-Doctoral experience in device making and/or carrying out experiments with electrochemical and/or photoelectrochemical methods. Publications/patent record for the same to be provided with application/biodata/CV for active consideration. Those have PhD with Organic Chemistry, Biotechnology and other not relevant areas to the project may not apply as they will not be considered.
Age Limit	40

Job requirement	The candidates must possess knowledge and experience on electrochemistry, thin film device making and through characterization with advanced analytical methods for mechanistic understanding. Preference will be given to those candidates who have proven track record through publications/patents in the relevant research area of the project.
Consolidated emoluments per month	(i) 42,000/- + HRA
Project Code	MLP103026
Post Name	Senior Project Associate
No. of Position:	1
Minimum prescribed educational Qualifications	Master's Degree in Natural or Agricultural Sciences/MVSc or bachelor's degree in Engineering or Technology or Medicine from a recognized University or equivalent; and (ii) Four(4) years' experience in Research and Development in Industrial and Academic Institutions or Science and Technology Organizations and Scientific activities and services; OR ME /M.Tech in Engineering or Technology from a recognized University or equivalent with TWO years' experience in R&D in industrial and Academic Institutions or S&T Organizations and Scientific activities and services; OR Doctoral Degree in Science/Engineering/Technology/Pharma/MD/MS from a recognized University or equivalent. Those who want to apply for post code 1 and 2, should submit separate applications online.
Desirable experience, if any	PhD completed in Chemistry/Physics. PhD in photocatalysis is preferred. Post-Doctoral experience is preferred in the area of photocatalysis and photoelectrochemical methods. Publications/patent record for the same to be provided with application/biodata/CV for active consideration. Candidates with PhD from Organic Chemistry, Biotechnology and other areas that are not relevant to the project may not apply, as they cannot be considered.
Age Limit	40
Job requirement	The candidates must possess knowledge and experience on thin film device making (by wet chemical methods) for photocatalysis and/or through characterization. Preference will be given to those candidates who have proven track record through publications in the relevant research area with the project. Candidate should have the passion to work in sunlight for many days, since many experiments will be conducted in direct sunlight.
Consolidated emoluments per month	(i) 42,000/- + HRA
Project Code	MLP103026

Post Name	Project Associate-II
No. of Position:	1
Minimum prescribed educational Qualifications	Master's Degree in Natural or Agricultural Sciences/MVSc or bachelor's degree in Engineering or Technology or Medicine 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 experience, if any	ME Chemical Engineering candidates are preferred. Two years experience in handling lab scale experimentation and possibly large scale operations. Good knowledge of VLE analysis and process simulations.
Age Limit	35
Job requirement	Will be involved in synthesis of large scale photocatalyst devices. To perform mass and component balance for the experiments. Candidate will be involved in developing Process flow diagram and simulation model for VLE analysis. Candidate should have a passion to work in direct sunlight, since many experiments needs to be carried out in direct sunlight. Those who have skin-allergies may remember this point, before submitting their application.
Consolidated emoluments per month	(i) 35,000/- + HRA to Scholars who are selected through (a) National Eligibility Tests-CSIR-UGC NET including lectureship(Assistant Professorship) or GATE or (b) A selection process through National level examinations conducted by Central Government Departments and their Agencies and Institutions.(ii) 28,000/- + HRA for others who do not

The engagement will be initially for a period of six 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 :<http://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 before **05/04/2022**. 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 **06/04/2022** or the candidates may ascertain the information by contacting P.M.Dhutraj email id: **pm.dhutraj@ncl.res.in** contact No: **02025902010**

Shortlisted candidates will be required to appear before the Selection Committee for an interview before at Room No.158, Catalysis Division Meeting Room, NCL Main Building. Shortlisted candidate will be informed via email on or before **06/04/2022**.

Interview will be conducted on **08/04/2022** from **10:00 AM** onward.

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.



Chinnakonda S. Gopinath
Project Leader (Name & Signature)

Notice Boards