



## **Petronet Centre for Renewable Hydrogen Research (PCRHR)**

**National Institute of Technology Karnataka Surathkal**  
NITK Campus Post Srinivasnagar Surathkal-575025

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### **Advertisement for Petronet Research Scholarships for Petronet Centre for Renewable Hydrogen Research**

**Ref. No: NITK/Almn/PCRHR Project/2023-24**

**Date: 22/05/2024**

Applications are invited for **Project Associate (PA)** for research in **Petronet** Centre for CSR funded research project on Renewable Hydrogen Research

#### **Objective:**

The Project Associate (PA) is aimed to identify motivated young researchers and provide them support for doing research in frontier areas of Petronet Centre for Renewable Hydrogen Research. The fellows will work under a faculty member from NITK, and it is hoped that this training will provide them a platform to develop as independent researcher. The beneficiaries of this fellowship in the future can support the planners and policy-makers of local governments in strengthening their capacity to manage problems related to waste and access to clean water as well as energy. Further, they can also create employment opportunities, which will help in social upliftment and promote social integration as well as social inclusion.

The availability of the funding will be for a period of one year. Interested candidates should fill in their academic and personal details in the prescribed application format and send the same along with attested copies of relevant certificates within 10 days from the date of advertisement to the contact person. Only the shortlisted candidates will be informed by post/E-mail/Phone/ Website: [www.nitk.ac.in](http://www.nitk.ac.in).

Shortlisted candidates should report to the contact person for certificate verification, followed by test and technical interview. The interview is most likely to be held during First week of June 2024. Any change in the date of the interview will be intimated through email. Selection will be based on qualification, experience, test performance, and interview. TA/DA will not be paid for attending the written test and interview. NITK, Surathkal reserves the right to reject any or all the applications without assigning any reasons. Selected candidates will be required to join immediately.



Title project	Modelling and Experimental studies on catalytic Steam Biogas Reforming process for Hydrogen generation at National Institute of Technology (NIT) Surathkal
Sponsoring Company	Petronet Centre for Renewable Hydrogen Research (PCRHR)
Monthly Salary available	INR 35,000/- per month
Number of Post-Scholarships Available	01
Faculty/Mentors Associated from Department/Centre	Department of Mechanical Engineering
Tenure of availability of scholarships	Currently, for One year, extendable up to two years based on the availability of funding and the performance of the candidate.
Qualification and Experience	<p><b>Qualification:</b> <b>Project Associate:</b> The candidate should have completed M.Tech/M.E in Mechanical /Chemical Engineering</p> <p><b>Experience:</b> Knowledge about Analytical techniques using GC or GCMS or GCxGCTOFMS or PTR TOFMS or TGA FTIR or NMR or ICP AES is highly appreciable.</p>
Desirable qualities	<p>The candidate must be able to work independently and flexibly and having the following qualities will be desirable.</p> <ol style="list-style-type: none"><li>1. <i>Basic knowledge about</i> laboratory/bench scalework with a technical focus on the basic fundamentals to understand and optimize the process</li><li>2. <i>Implementation:</i> Pilot/demonstration scale or the field application projects</li><li>3. <i>Sustainability aspects:</i> Financial, social, environmental aspects, models and simulations, theoretical evaluation, potential analysis, decision support tools</li><li>4. Excellent analytical and writing skills</li></ol>
Last date for receipt of application	<b>02<sup>th</sup> June 2024</b>



Interested candidates may apply in the prescribed format along with CV, photo copies of relevant certificates, grade/mark sheets etc., and should reach NITK on or before **02/06/2024** by post/email (scanned documents) at the prescribed address below:

Sd/-

Dr. Vasudeva Madav

CSR Project Coordinator and

Assistant Professor, Department of Mechanical Engineering,

National Institute of Technology Karnataka Surathkal

Email: [vasu@nitk.edu.in](mailto:vasu@nitk.edu.in)

Tel: +91-824-2473670, M: +91-9008889796

**Note:**

- The Project Associate are not eligible to receive any other salary from any Government or Non-Governmental source during the tenure of the fellowship.

**Selection & Mode of Application**

- The selection will be based on the recommendations of an Expert Committee that will be constituted by the Assistant Professors, Associate Professors, Professors NITK, Surathkal and as per the procedure laid down by NITK, Surathkal
- Final Selection will be made as per the procedure laid down by NITK, Surathkal.
- If required, the applicants may be called for the personal interview.

**Documents required (in PDF) should be in prescribed format:**

- Duly Filled Application
- Bio-data
- Age Proof Certificate
- Qualification Certificate
- Undertaking Certificate by the applicant (as per the attachment)

**Leave**

Project Associates are entitled to leave as per the rules of NITK.



**APPLICATION FOR PETRONET CENTRE FOR RENEWABLE HYDROGEN RESEARCH  
SCHOLARSHIPS**

<b>For Office Use:</b>	Paste your recent Passport size photo
Serial Number: .....	
Eligible for Written exam/Interview: Yes / No	
Verified the Certificates: .....	

<b>1. Name:</b>			
<b>2. Father's Name:</b>			
<b>3(a). Date of Birth:</b>		<b>3(b). Nationality:</b>	

**4. Contact information:**

<b>(i) Address for communication:</b>	
<b>(ii) Mobile No:</b>	
<b>(iii) Email ID:</b>	

**5. Educational Qualifications\***

Class	Subject/ Stream	Board/ University	Name of Institute	Marks/ CGPA	Year of Passing
X					
XII					
UG Degree					
PG Degree					
MPhil					
PhD					
<b>Competitive Exam</b>		<b>Qualified</b>	<b>Marks / Rank</b>		<b>Year</b>
CSIR-UGC NET		Yes / No			
GATE		Yes / No			

**\*Attach self-attested copies of all certificates.**



**6. Work Experience, if any (in years) .....**

Organization	Designation	Duration	Responsibilities

**7. Number of Publications: (Attach a separate list of publications with full details)**

National	International

**8. Workshop/Training programs attended\*:**

S. No.	Details

**\*Attach separate sheet (if required)**

**9. Technical Skills**

S. No.	Details

**10. Other Achievements\*:**

S. No.	Details

**\*Attach separate sheet (if required)**

**11. Declaration:** All the above information provided by me is accurate to the best of my knowledge and I understand that, if found incorrect, I may be disallowed to appear in the interview/test or terminated at any stage.

**Date:**

**Place:**

**Signature of the Candidate**

**Note:** Attach the list of enclosures along with the application.



### Undertaking by the Fellow

I,....., Son/Daughter/Wife of Shri....., resident of  
-----agree to undertake the following, If I am offered the PA  
I shall abide by the rules and regulations of NITK during the entire tenure of the fellowship.

1. I shall also abide by the rules, discipline of the institution
2. I shall devote full time to research work during the tenure of the fellowship
3. I shall prepare the progress report on the 25<sup>th</sup> day of every month and communicate the same through the mentor and Project Coordinators
4. I shall send two copies of the consolidated progress report at the end of the fellowship period.
5. I further state that I shall have no claim whatsoever for regular/permanent absorption on the expiry of the fellowship.

Date:

Signature



Plagiarism undertaking by the Fellow

To

Sir I \_\_\_\_\_  
hereby certify that the research report titled \_\_\_\_\_

\_\_\_\_\_ submitted for as a part of PA  
funding by Petronet is my original idea and has not been copied/taken verbatim from anyone or from  
any other sources. I further certify that this proposal has been checked for plagiarism through a  
plagiarism detection tool i.e. \_\_\_\_\_ approved by the Institute and the contents  
are original and not copied/taken from any one or many other sources.

I am aware of the UGCs Regulations on prevention of Plagiarism i.e. University Grant Commission  
(Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions)  
Regulation, 2018.

I also declare that there are no plagiarism charges established or pending against me in the last five  
years. If the funding agency notices any plagiarism or any other discrepancies in the above proposal of  
mine, I would abide by whatsoever action taken against me by NITK, as deemed necessary.

Signature of Fellow with date Name