**Advertisement for the Research Associate (RA)**

Applications are invited for a Research Associate (RA) position in the Department of Chemical Engineering, IIT Ropar under the scheme of National Green Hydrogen Mission (NGHM) sponsored by Ministry of New and Renewable Energy (MNRE) from Indian nationals for one position for the research project titled, “**Pilot plant demonstration of hydrogen production from agricultural waste through integrated pyrolysis and catalytic steam reforming process**” as per the following details.

**Job description:** Research Associate (RA)

**Location:** IIT Ropar, Rupnagar, Punjab

**Number of positions:** 1 (one)

**Type of job:** Full-time (on contract)

**Duration:** The position is initially for one year. Extendable up to 3 years based on satisfactory performance.

**Responsibilities:** (i)Prepare work plan for timely Execute the Overall project, (ii)Leding the Execution of the prepared plan within the frame,(iii) fulfill the deliverables, (iv) Procurement of required equipment and their installation, (v) Supervise- JRF/PHD students

Reference letter: The candidates must submit at least two reference letters, preferably from their PhD supervisor(s), along with the application form.

**Essential qualifications:** PhD degree in Chemical Engineering/Chemical Technology/allied branches /Chemistry in heterogeneous catalysis with a good number of publications in reputed journals. Candidate must have obtained at least 60% marks (or 6.5 CGPA) (55% marks or 6.0 CGPA for SC/ST) in all qualified degrees. Candidate must have experience in material synthesis and handling different projects.

**Upper Age limit:** 35 years

**Desirable qualifications:** (a) Hands-on experience in handling experimental set-up, performing experiments, and collecting data on fixed-bed catalytic systems/ flow reactors, (b) Experience in analysis of different catalyst characterization techniques e.g. XRD, BET, TPX, TGA, XPS, Raman, SEM, TEM, etc., (c) Experience of reaction kinetic and modeling and (d) Priority will be given to candidate having engineering background and industrial experience.

**Remuneration:** A salary of Rs 58,000/month will be provided (+HRA if applicable).

The applicant must **email the following documents in a single PDF file named as JRF\_MNRE Project Your name** to [cserl.iitrpr@gmail.com](mailto:cserl.iitrpr@gmail.com) and cc’ed to [tarakmondal@iitrpr.ac.in](mailto:tarakmondal@iitrpr.ac.in) (Dr. Tarak Mondal) on/before **15th April, 2025**.

1. **A one-page cover letter describing the background and how it will help to pursue the project.**
2. **Resume with complete qualification and experience as per the format given in Annexure 1.**
3. **Soft copy of all degree/marksheet certificates.**
4. **Proof of GATE/NET qualification.**

**Note:** Only shortlisted candidates will be called for interview through email. No TA/DA will be provided for attending interview.

**For any further information, please contact;**

Dr. Tarak Mondal

Department of Chemical Engineering

Indian Institute of Technology Ropar, Rupnagar, Punjab, INDIA 140001

Email: [cserl.iitrpr@gmail.com](mailto:cserl.iitrpr@gmail.com), [tarakmondal@iitrpr.ac.in](mailto:tarakmondal@iitrpr.ac.in)

**ANNEXURE 1**

**APPLICATION**

1. Name and full correspondence address :
2. Email and contact number :
3. Gender :
4. Date of Birth :
5. Marital status :
6. Category :
7. Nationality :
8. Whether differently abled :
9. Academic qualification :

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| --- | --- | --- | --- | --- |
| Qualification | Subject | Institute/Board/Univ. | Year of passing | % Marks/CGPA |
| 10th |  |  |  |  |
| 12th |  |  |  |  |
| BE/B.Tech/B.Sc. |  |  |  |  |
| ME/M.Tech/M.Sc. |  |  |  |  |
| PhD |  |  |  |  |

1. Work experience in chronological order:

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| --- | --- | --- | --- | --- | --- |
| S. No. | Positions held | Name of the  Institute/Industry | From | To | Pay Scale (Rs.) |
|  |  |  |  |  |  |
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1. Qualifying examination details e.g. GATE/ NET/ or equivalent exam:

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| --- | --- | --- | --- | --- |
| S. No. | Name of the exam | Specialization/code | Qualifying Year | Score and percentile |
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1. Professional Recognition/ Award/ Prize/ Certificate, Fellowship received by the applicant.

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| --- | --- | --- | --- |
| S. No. | Name of Award | Awarding Agency | Year |
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1. Research Publications *(List of papers published in SCI Journals, in year wise descending order).*

*(Maximum of Best 5)*

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| --- | --- | --- | --- | --- | --- | --- |
| S. No. | Author (s) | Title | Name of  Journal | Volume | Page | Year |
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**DECLARATION**

I hereby declare that all the statements made in this application are true and complete and nothing has been concealed/ distorted. I am aware that, if at any time I am found to have concealed/distorted any material information, my engagement is liable to be summarily terminated without notice.

|  |  |
| --- | --- |
| Place: | Signature of Applicant |
| Date: |  |

**Note: A one-page cover letter describing your background and how it will help to pursue the project must be added in the next page.**