



### **Advertisement for Research Associate Position**

Dedicated and hardworking candidates are invited to apply for the “ONE” Research Associate Position under the mentorship of **Dr. Rajendra Srivastava, Department of Chemistry, IIT Ropar**. The candidate will be working on Hindustan Petroleum Corporation of India (HPCL) Bangalore sponsored project titled “**Synthesis of Nanocrystalline Zeolites having Inter/Intra-crystalline Mesoporosity of Different Framework Structure**” The position is contractual and renewable for up to two years (Total duration) based on the candidate's satisfactory performance, which will be renewed each year. The progress of the candidate will be reviewed every three months.

#### **Essential requirements:**

1. The candidate should have expertise in synthesizing solid heterogeneous catalysts, especially zeolites, mesoporous silica, metal oxides etc
2. Having experience in handling and interpreting basic analytical techniques employed in catalysts characterization techniques such as XRD, surface area analysis, SEM, etc
3. Good quality publications.
4. Good communication and writing skills in English.

#### **Eligibility:**

Ph.D. degree holders in Chemistry/Materials Science/Chemical Engineering are eligible to apply within five years after completion of their Ph.D.

**Fellowship:** 47000 (HRA @8% will be given if staying out of campus)

#### **How to Apply?**

Application form is given on the following sheet. To apply, send the following by email to the undersigned:

1. Completely filled application form (given on the following sheet).
2. Detailed CV (detailing prior research experience).
3. Copy of all degree certificates.

A single .pdf or .doc file mentioning “*Application for RA your name*” in the subject of your email and send to the email mentioned at the end.

**Last date for receipt of application: 20<sup>th</sup> November 2020.**

**Venue:** The Interview will be in online mode.

After the selection, the selected candidate will be notified in advance and the tentative date of receipt of the Grant. The offer letter will be sent to the selected candidate on the receipt of the Grant from the HPCL. The candidate needs to join immediately (within a few days) after receiving the offer letter.

**Only shortlisted candidates will be contacted through email**

**Dr. Rajendra Srivastava,**

Associate Professor

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S S Bhatnagar Block

Indian Institute of Technology Ropar

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Rupnagar-140001

Punjab, INDIA

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# INDIAN INSTITUTE OF TECHNOLOGY ROPAR

APPLICATION FORM FOR THE RESEARCH ASSOCIATE (HPCL  
SPONSERED PROJECT)

|                          |  |  |
|--------------------------|--|--|
| <b>Department/School</b> |  | Affix Recent<br>Passport Size<br>Photo |
| <b>Area of Research</b>  |  |  |

**Personal Details**

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|--------------------------------------|--|--|---|--|------------------------------------|--|--|--------------------|--------------------------|--|--|--|--|--|--|--|--|
| <b>Full Name</b><br>(in Capital)     |  |  |   |  |                                    |  |  |                    |                          |  |  |  |  |  |  |  |  |
| <b>Father's Name</b><br>(in Capital) |  |  |   |  |                                    |  |  |                    |                          |  |  |  |  |  |  |  |  |
| <b>Date of Birth</b><br>(DD/MM/YYYY) |  |  |   |  | <b>Category</b><br>(SC/ST/OBC/GEN) |  |  |                    |                          |  |  |  |  |  |  |  |  |
| <b>Gender</b><br>(Male/Female)       |  |  | <b>Marital Status</b><br>(Single/Married) |  |                                    |  |  | <b>Nationality</b> |                          |  |  |  |  |  |  |  |  |
| <b>Communication Address</b>         |  |  |   |  |                                    |  |  |                    | <b>Permanent Address</b> |  |  |  |  |  |  |  |  |
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| <b>Mobile Number</b> |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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**Details of Educational/Professional/Technical Qualifications (from Matriculation onward):**

| <b>Sr. No.</b> | <b>Degree</b> | <b>Discipline</b> | <b>University/College</b> | <b>Regular/ Part time</b> | <b>Year</b> | <b>%age of Marks</b> | <b>Division</b> |
|----------------|---------------|-------------------|---------------------------|---------------------------|-------------|----------------------|-----------------|
| 1              |               |                   |                           |                           |             |                      |                 |
| 2              |               |                   |                           |                           |             |                      |                 |
| 3              |               |                   |                           |                           |             |                      |                 |
| 4              |               |                   |                           |                           |             |                      |                 |
| 5              |               |                   |                           |                           |             |                      |                 |
| 6              |               |                   |                           |                           |             |                      |                 |

**If PhD degree not awarded, please give whichever applicable:**

Date of thesis submission: .....  
 Likely date of submission: (in case not submitted yet) .....

**Title of Thesis**

.....  
 .....  
 .....

**Specialization, in terms of Broad Area of Specialization and Exact Area of Specialization:**

| <b>(a) Subject</b> | <b>(b)Broad Area of Specialization</b> | <b>Exact Area of Specialization</b> |
|--------------------|--|-------------------------------------|
|                    |  |                                     |

**Publications and Patents: (Please attach list of publications and patents with full references and reprints or photocopies bearing serial numbers corresponding with those in the list)**

- (a) No. of Papers (i) Published .....(ii) Accepted .....
- (b) No. of Books published .....,
- (c) No. of patents: (i) Filed: ..... (ii) Granted .....

Prizes, Honours, Awards, Distinctions, if any:

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**Fellowships held:**

| Name of fellowship | Name of the sponsoring agency | Date |    | Amount | Name of the Host Institute |
|--------------------|-------------------------------|------|----|--------|----------------------------|
|                    |                               | From | To |        |                            |
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**Give details of employment, if any**

| Sr. No. | Name of the Organization | Designation | Period |    | Nature of Work |
|---------|--------------------------|-------------|--------|----|----------------|
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**Title of proposed Research and Development Project:**

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(Describe in detail, on a separate sheet, the Research or Development Project you would like to pursue, along with year-wise plan of work for at least two years. The project should be made in consultation with the mentor with whom you propose to work)

**Name of Faculty Member with whom proposed to work and his research group:**

.....

**List of Enclosures: (Please tick)**

1. Proof of thesis submission.
2. List of Publications.
3. Plan of work at IIT Ropar (two A4 pages maximum).
4. Recommendation letter 1 (from Supervisor)
5. Recommendation letter 2

## **DECLARATION**

I hereby declare that I have carefully read the instructions and particulars supplied to me and that the entries made in this application form are correct to the best of my knowledge and belief. If selected for admission, I promise to abide by the rules and discipline of the Institute.

I note that the decision of the Institute is final with regard to selection for admission and assignment to a particular Department and field of study/research. The Institute shall have the right to expel me from the Institute at any time after my admission, provided it is satisfied that I was admitted on false particulars furnished by me or my antecedents prove that my continuance in the Institute is not desirable. I agree that I shall abide by the decision of the Institute, which shall be final.

**Place:**  
**Date:**  
**Candidate**

**Signature of the**