

**CENTRE FOR RESEARCH AND CONSULTANCY HINDUSTAN  
INSTITUTE OF TECHNOLOGY AND SCIENCE**

Date: 04-01-2022

**Ref: No. HITS/SHC/JRF/2022/01**

**Position of Junior Research Fellow under Core Research Grant (SERB)**

Applications are invited from Indian Nationals through e-mail under the sponsored project. The details of the project are as under:

1	Position	Junior Research Fellow (JRF)
2	Number of positions	One
3	Title of the Project	Development of highly efficient direct Z-scheme heterostructure photocatalyst based on 2D metal sulfide for CO <sub>2</sub> reduction
4	Funding Agency	SERB
5	Principal Investigator	Dr. Indrajit Shown (Professor), Department of Chemistry Hindustan Institute of Technology and Science, Chennai-603103, E-mail: indrajits@hindustanuniv.ac.in
6	Duration	3 Years
7	Qualification	<b>Essential Qualification</b> The applicant should be M.Sc in Chemistry/Material Science/Industrial Chemistry/Applied Chemistry or M.Tech in Nanotechnology/Material Science etc. with minimum 60% marks. GATE/CSIR/NET qualified candidates are preferable <b>Desirable Qualification</b> Highly experienced in chemical synthesis of nanomaterials, catalysts, Photocatalysis, experience in analysis of materials characterizations and good understanding with catalysis especially photocatalysis.
8	Age	Maximum 28 years (Relaxation is admissible in case of SC/ST/OBC candidates as per Government instructions).
9	Consolidated Emoluments	Rs. 31000 + 8% HRA per month for initial two years and then Rs. 35000 + 8% HRA per month for third year.

**Note:**

The candidate selected as JRF is eligible to register for pursuing Ph.D by Research programme as per HITS regulations and selection procedures.

- (i) Candidates meeting the above criteria may send their detailed bio-data as per prescribe format (personal details, educational qualification, and research experience, Two references with email id and phone number, along with educational certificates (UG and PG mark sheets) in a single pdf document) Application should be furnished only in the prescribed format given.
- (ii) Mention experience including research, industrial field and others.
- (iii) Enclose self-attested copies of degree certificate and experience certificate.
- (iv) Short listed candidates will be informed one week prior to the interview through email. No TA/DA will be paid to attend the interview. Mode of interview shall be conveyed to the shortlisted candidates. The selected candidate is expected to join immediately.
- (v) The last date of submission of duly filled in application through e-mail is **16/01/2022**. The application should be submitted only in the prescribed format.
- (vi) The selected candidate should join within 7 days of receiving appointment order.

**Dr. Indrajit Shown**  
**Principal Investigator**

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HINDUSTAN INSTITUTE OF TECHNOLOGY AND SCIENCE**

For Office Use only  
Serial Number allotted to the Applicant

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Signature of the Application Screening Committee Chairman

Paste your recent  
passport size colour  
photograph

**APPLICATION FOR THE POST OF JUNIOR RESEARCH FELLOW**

1. Name of the Candidate in full					
2. Nationality					
3. Mother Tongue					
4. Date of Birth		Date	Month	Year	
5. Age					
6. Sex		Male / Female			
7. Marital Status		Married / Single			
8. Category SC / ST / OBC / General					
9. Address for communication with Mobile number and E Mail ID					
Academic Career: Enclose self-attested photo copies of the qualifying degree certificates and mark sheets/ grade cards showing the percentage of marks or CGPF from HSC onwards					
Name of Exam	School / University	Board/ University	Broad subjects of study	Year of passing	% of marks/ CGPA
SSC					
HSC					
Graduation					
Post-Graduation					
Any other					

10. GATE or NET Score If any.....

11. Work Experience, if any

Organization	Designation	Duration		Nature of job
		From	To	

12. Previous Research work and publication, if any (enclose copies of published or unpublished work)

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13. Membership of Professional Bodies, if any: \_\_\_\_\_

14. References

Sr. No.	Name & Designation	Address	Contact Number and Email id
1.			
2.			

15. **Declaration:** I do hereby declare that the information furnished in the application is true to the best of my knowledge and belief. If admitted, I shall abide by the rules and regulations of the Institute and Project associated to it. If any information furnished in this application is found to be untrue, I am liable to forfeit the seat / appointment allotted to me any time in future and legal action be taken against me.

Date:

Full signature of the Applicant

List of Enclosures: 1)  
2)  
3)  
4)  
5)