

## **Postdoctoral Fellow for Studying H<sub>2</sub> Production from Partial Oxidations over Nanocatalysts**

### **About the Position:**

The Green Catalysis Lab at IIT Gandhinagar, headed by Prof. Abinaya Sampath, is looking for a postdoctoral fellow interested in working on experimental heterogeneous catalysis. The candidate will be involved in nanocatalyst synthesis, characterization, and catalyst testing in the laboratory scale reactor using kinetic and spectroscopic tools.

### **Minimum Qualifications:**

- Ph.D. (thesis submitted/degree awarded) in Chemical Sciences or related disciplines (full-time)
- 3 years of experience in experimental work (including Ph.D.)

### **Desirable Skills:**

- Experience with catalytic measurements is highly preferred
- Working knowledge of wet synthesis techniques for nanomaterials, characterization techniques such as TEM, XRD, EDXRF, and UV-Vis spectroscopy
- Track record of publications/conference presentations; self-motivated, perseverant person with solid project management and communication skills

### **Job Description:**

- The candidate shall be required to work on nanocatalyst synthesis, characterization, and measurement of catalytic performance
- The candidate is expected to be an integral part of setting up a new reactor system, training new researchers, and working closely with Prof. Abinaya Sampath in learning new experimental techniques
- Publish high-quality journal articles and attend international conferences; Strictly follow laboratory safety practices

Note that the list of items in the job description is not exhaustive.

**Duration:** Initial appointment is for 1 year, extendable up to 1 more year based on performance

**Remuneration:** 50,000 INR per month + 10,000 INR HRA (No HRA will be paid if the campus housing is availed)

### **Application Procedure:**

Candidates must fill out the online [form](#) to be considered for the position.

**Application Deadline:** Three weeks from the date of advertisement or until the position is filled