



Date: April 05, 2024

Advertisement for the Post of Junior Research Fellow (JRF)

Applications are invited for one position of Junior Research Fellow (JRF) in a Bharat Petroleum Corporation Limited funded project entitled "[Single Step Hydrogenation of CO₂ to Ethanol with H₂ from water-splitting over Single Atom Catalysts & Single Atom Bimetallic and Trimetallic Alloys in Flow Reactor](#)" under the supervision of

Dr. Sounak Roy (PI) [URL: <https://universe.bits-pilani.ac.in/hyderabad/sounak/Profile>]

Dr. B M Reddy (Co-PI) [URL: <https://universe.bits-pilani.ac.in/hyderabad/bmreddy/Profile>]

Deserving JRF may be considered for Ph.D. program at BITS-Pilani if (s)he meets the requirements of Ph.D. qualification process as per the institute norms.

Project details:

The proposal focuses on designing and development of single atom catalysts for catalytic CO₂ reduction. The final aim is to develop high-fidelity techno-economic-analysis and life cycle-analysis models to evaluate the economic and environmental benefits along with feasibility and scalability of the process.

Eligibility:

M.Sc in Chemistry/M.Tech in Chemical Engineering.

Working experience in the area of Catalysis/ Materials Science is desirable.

Candidates with NET JRF / GATE / DST-Inspire will be given preference.

Duration: 03 Years

Fellowship: ₹ 31,000 per month

How to apply:

Candidates meeting the above-mentioned qualification should send their CV to sounak.roy@hyderabad.bits-pilani.ac.in by **30th April, 2024**.

The candidates will be informed through e-mail for interview at Birla Institute of Technology and Science Pilani, Hyderabad Campus.

Dr. Sounak Roy (Principal Investigator)

