Under the KARYASHALA Scheme – A SERB Initiative

presents a workshop on

Advances in Carbon Dioxide Capture & Utilization for Sustainable Climate (ACCUSC-2022)

4th – 10th July, 2022

Overview:

The aim of this proposed programme is to create a one-of-a-kind meeting and networking venue for the entire Carbon Capture and Utilization (CCU) community. This portal will give young researchers an opportunity to interact with experts. To replace fossil feedstock sources, address climate change, and transition toward sustainable and climate-friendly consumption and production, direct CO2 use as one alternative carbon source is required. The production of CO2-based transportation and aviation fuels, as well as bulk and fine chemicals, is becoming increasingly dependent on renewable energy and green hydrogen. The programme will be devoted to capture, storage and utilization of CO2 with hands on through ASPEN.

About NIT Rourkela:

NIT Rourkela is one of the premier national level institutions for technical education in the country and is funded by the Government of India. Government of India has elevated the Regional Engineering College, Rourkela to a deemed university under the name of National Institute of Technology, Rourkela. The main objective of the Institute is to produce quality Engineers and Scientists in Graduate and Post-Graduate levels in various branches of Engineering and Science. The Institute is managed by the Board of Governors of National Institute of Technology (Rourkela) Society and vested with significant degree of administrative and financial autonomy. Government of India have recognized the Institute as a premier institution of repute and have developed it as a center of excellence under plan funding. The campus of the Institute consisting of the Institute buildings, halls of residence and staff colony is situated at the eastern end of Rourkela steel city, beyond Sector-1 over an area of 262 hectares of land provided by the Government of Orissa. It is a residential campus offering accommodation to faculty, staff and students. The campus has all the amenities for developing personal, social and academic skills of the student community.

Email: accusc2022@gmail.com Webpage: https://accusc2002.com

Eligibility:

The course is open to motivated PG and Ph.D. level students with Chemical Engineering background, who are having a strong willingness to get excellence in their scientific and engineering research pursuits. Only 25 participations will be selected as per the scheme norms.

How to apply:

Interested participants can apply through the Google Form: https://forms.gle/Gn23LXEJ6KcETAov9

Registration Deadline: 10th June 2022.

Applications will be shortlisted based on **"first come first serve"** basis as well as academic and research credentials. The shortlisted candidates will be intimated through email. No registration fee, free accommodation and fooding during the workshop. TA may be admissible as per the sponsoring agency norms and rules.

Confirmed Resource Persons:

- Prof. Greeshma Gadikota (Cornell University, USA)
- Prof. Sujit Sen (NIT Rourkela, India)
- Prof. P. Balasubramanian (NIT Rourkela, India)
- Prof. Mahendra Chinthala (NIT Rourkela, India)
- Prof. A Samantha (IIT-ISM Dhanbad)
- Prof. Rajnish Kumar (PhD, FRSC) (IIT Madras)
- Dr.(Ms.) Nilotpala Pradhan, Principal Scientist, CSIR-IMMT
- Prof. Prakash D. Vaidya, ICT Mumbai

Organizing Committee:

- **Patron**
  Prof. K. Umamaheshwar Rao (Director, NIT Rourkela)
- **Workshop Chairman**
  Prof. Abanti Sahoo (HOD Chemical Engg, NIT Rourkela)
- **Workshop Coordinators**
  Prof. Sujit Sen (NIT Rourkela)
  Dr. Mahendra Chinthala (NIT Rourkela)
  Dr. Suverna Trivedi (NIT Rourkela)
- **Student Coordinators**
  Priyanshu Das
  Sagar Mangaraj
  Siddharth Ray
  Sandeep Kumar Padhy
  Nirmalya Ojha