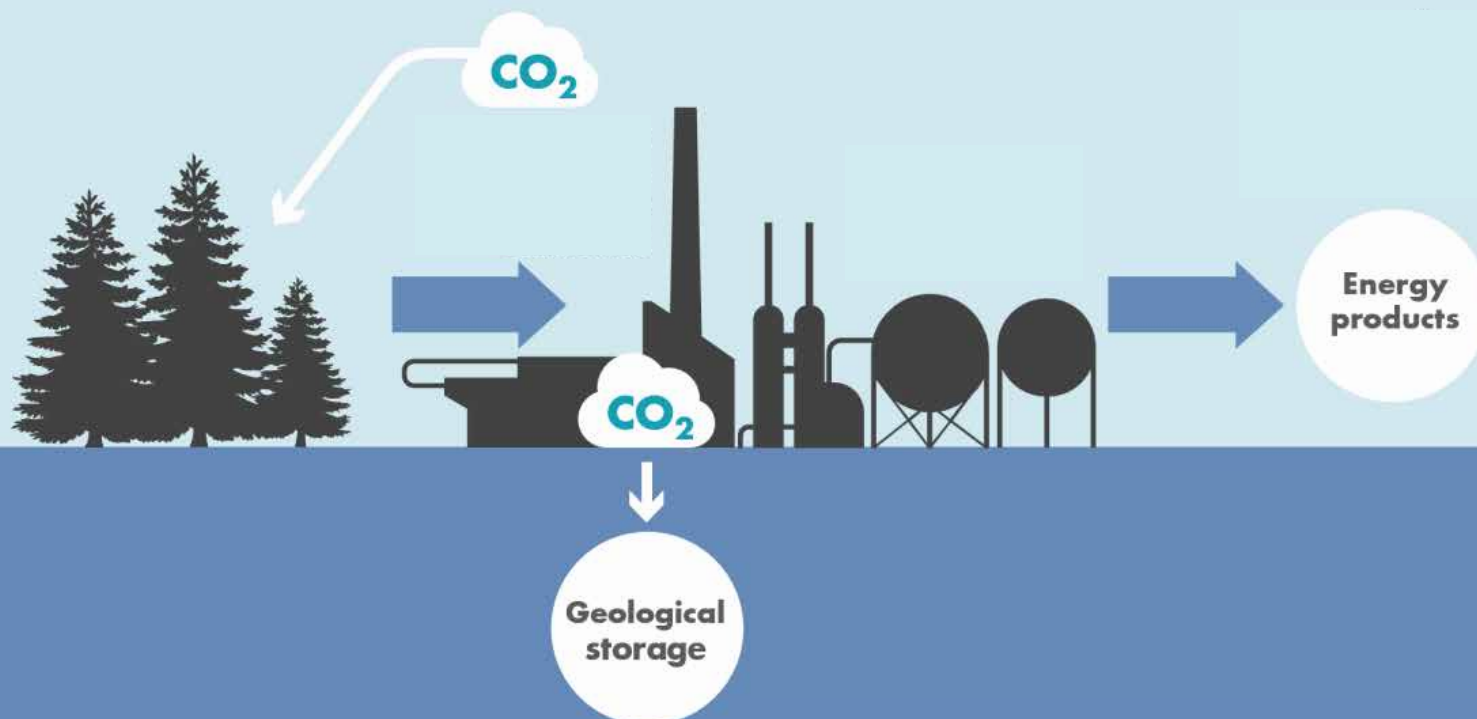


INTERNATIONAL CONFERENCE



INDO CANADIAN RESEARCH CONCLAVE ON SUSTAINABLE APPROACHES TO CARBON CAPTURE SEQUESTRATION AND UTILIZATION (ICRC-CCSU)

12 -13 MARCH, 2021

Supported by:



Organized by:

Department of Chemical Engineering, PDEU



PDEU

PANDIT
DEENDAYAL
ENERGY
UNIVERSITY

(formerly known as PDPU)

About PDEU

Pandit Deendayal Energy University, formerly known as PDEU, have 100-acre campus located in Gandhinagar, which is the capital city of Gujarat and located 23 km North from a well-developed city called Ahmedabad with a population of 8 million people.

The University offers programs to address the need for trained human resources in the domains of Science, Technology, Management and Humanities. It intends to broaden the opportunities for students and professionals to develop core subject knowledge which are duly complemented by leadership training interventions, thereby helping the students to make a mark in the global arena.



About Chemical Engineering Department

The Department of Chemical engineering was established in the year 2011. Currently, the Department offers B.Tech, M.Tech and Ph.D Programs in Chemical Engineering. Department is focusing on outcome-based education by analyzing and tackling the complex and diverse engineering problems by appropriate experimentation, simulation, data analysis and interpretation.

Applied research-based knowledge and development of solutions with modern engineering tools is the unique strength of our department. The department works on the long term vision "To be an internationally renowned and recognized Institute imparting technical education, research & training for societal impact and sustainable development."

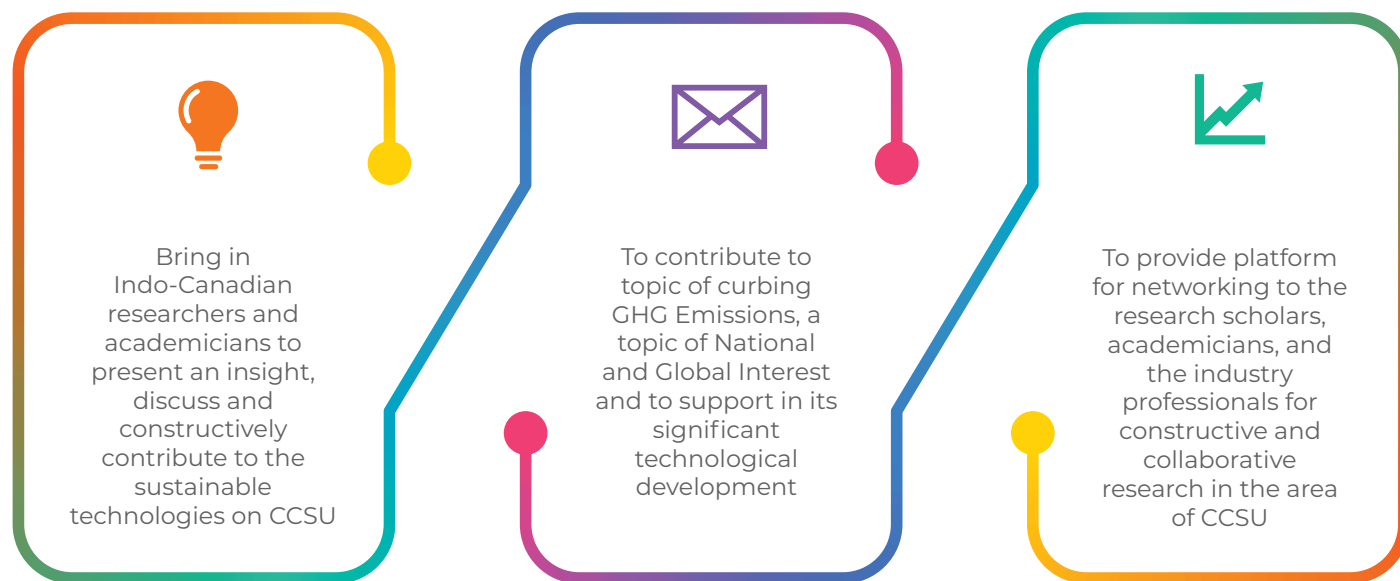


About Conference

Energy is the key ingredient required for economic development of any nation. However, current statistical data of emissions poses a big question mark which propels us to put more emphasis on searching and building clean and green technologies for reducing environmental impact. India stands as planets third largest emitter of greenhouse gas (GHG) emissions. Canada's GHG emissions stands it among the top 10 global emitters and one of the largest developed world per capita emitter of GHGs. A paradigm shift to carbon capture and recycling (CCR) is extensively looked upon by the research community. National and International collaborative research and development programs in the area which shall accelerate the technological innovation needed for the wider deployment of carbon capture and transformation technologies.

The conference proposed is in line to the objective of CO₂ Research Group at PDEU and is intended to give a holistic view on the research directions covering the width and depth of carbon capture sequestration and utilization (CCSU). The conference will serve as the platform for knowledge sharing among Indo-Canadian Researchers and will guide the participants with future prospects in CCSU.

Objective of the Conference



Conference Theme

ICRC-CCSU aims to bring in technological developments and research attributes in the broader domain of CCSU with underlining topics of interest given below. The conference encourages the participation of young researchers. Few of the selected abstracts of them will be presented in the form of short talks. The conference invites all leading researchers, academicians and professionals working for CCSU to join for the conference.

- CO₂ Capture and Sequestration
- CO₂ Mineralization
- CO₂ Conversion to Chemicals and Fuels
- Thermal and Catalytic Process
- Electrochemical Process
- Photochemical Process
- Biochemical Process
- CCSU Challenges & Opportunities
- CCSU Life Cycle Assessment
- CCSU Latest Technologies Development
- CCSU Emerging technologies

Resource Persons



Dr. Anurag A Gupta

Senior Mentor - PDEU
(Former Executive
Director, IOCL R&D)



**Prof. Nader
Mahinpey**

Professor, Dept. of
Chem. and Pet. Engg.,
University of Calgary



Prof. Ajay Dalai

Dept. of Chemical and
Biological Engineering,
University of
Saskatchewan



**Prof Bishnupada
Mandal**

Professor, Chem Engg., IIT
Guwahati



Prof. P D Vaidya

Professor, Chem. Engg.,
ICT Mumbai



**Prof. Madhurshree
Kundu**

Professor, Chem Engg.,
NIT Rourkela



Dr. Vikram Vishal

Dept. of Earth Sciences,
IIT Bombay



**Dr. Vivek
Polshettiwar**

Dept. of Chemical
Sciences, TIFR Mumbai

Registration Details

The conference will be held on online/ hybrid platform. There is NO REGISTRATION FEE for the conference.

E-certificate will be provided to all the attendees. Attendance for 80% sessions is compulsory to get an e-certificate.

Important Dates

Abstract Submission Date **10th Feb 2021**

Notification of Acceptance **15th Feb 2021**

Registration and Abstract Submission Link

<https://forms.gle/UouvM1ePMSBoBcWt9>

Abstract format can be downloaded from the **UPDATES** section on the link

<https://sot.pdpu.ac.in/chemical-dept.html>

Organizing Committee

Patron



Prof. S. S. Manoharan,
Director General -
PDEU



Prof. Sunil Khanna
Director – School of
Technology, PDEU

Conference Coordinator



Dr Swapnil Dharaskar
Head – Chem Engg Dept,
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Dr Ashish Unnarkat
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