

CERE - SEMINAR

Thursday 6 June 2024

09:15 to 10:30 a.m.

Building 229, Room 009

(Light breakfast is served from 9:00, please bring your own coffee/tea)

Online from link in calendar invitation

“Gas Hydrates from Extreme Environments: Transforming Gas adsorption and food processing”

By

Jyoti Shanker Pandey

Abstract

Gas hydrates are ice-like crystalline compounds found in extreme environments, such as deep-sea sediments and planetary bodies. These non-explosive, dense forms of water can store gases like methane (CH₄), carbon dioxide (CO₂), and hydrogen (H₂). Additionally, gas hydrates can act as a dewatering agent, crystallizing water from aqueous solutions. In this presentation, I will discuss recent laboratory work and experimental results in the fields of gas adsorption and sugar solution processing using gas hydrates.