

Name of the Event: Special Lecture on “Perspective on Plant Intelligence and Cognition”

Organised by: Department of Botany

Date of Visit: 31st August 2026

Time: 11:30 a.m.

Venue: Room 303

Number of participants: 62 students of Departments of Botany and Chemistry

10 Faculty members of

Departments of Botany, Chemistry, Geography and Zoology

Description of the Event: A special lecture was organised by the Department of Botany. The resource person Dr. Saikat Kumar Basu, Executive Research Director, PFS, Lethbridge, Alberta, Canada, delivered a thought provoking lecture on “Perspective on Plant Intelligence and Cognition”. The session explained that plants can sense changes around them, communicate through different signals and show complex responses to their environment. The lecture introduced us to the pioneering work of Sir Jagadish Chandra Bose. His experiments showed that plants respond to external stimuli and that these responses can be measured. His work was important because it challenged the idea that plants are completely passive organisms. The speaker discussed various aspects of Plant Memory and Cognition, Plant Perception and Response, Plant–Animal Interaction, Plants and Fungi Connections and Epigenetics through an interactive approach. He emphasized on the importance of interdisciplinary research. Understanding plant behaviour involves subjects such as Botany, Physiology, Biophysics, Microbiology, Ecology, Zoology, Chemistry and Neuroscience.

Outcome: The special lecture was informative as well as thought-provoking. It gave us a new perspective on plants and their abilities. Plants are much more responsive and complex than we normally assume. They can perceive environmental changes, produce electrical and chemical signals, remember previous experiences in a biological sense and adjust their future responses. The lecture encouraged us to think beyond the traditional idea of plants as passive organisms and to appreciate the complexity of plant life.




SHRI SHIKSHAYATAN COLLEGE
 Department of Botany
 Special Lecture
 TOPIC
Perspective on Plant Intelligence and Cognition.

 31.08.26
  11:30 am
  Room 303

Dr. Saikat Kumar Basu
 Executive Research Director
 PFS, Lethbridge, Alberta, Canada

ORGANIZED BY
Department of Botany



EXPLORE • LEARN • INSPIRE