



**“WORKSHOP -CUM- HANDS-ON TRAINING
ON SUSTAINABLE APPROACHES FOR
MANAGEMENT AND UTILIZATION OF NEO-
INVASIVE PLANTS”**

Date: 24th February, 2026

**In collaboration with Department of Botany,
Panjab University, Chandigarh**

Department of Botany, Centre of Excellence, Government College, Sanjauli, in collaboration with Department of Botany, Panjab University, Chandigarh organized a Workshop-cum-Hands-on Training on **“Sustainable Approaches for Management and Utilization of Neo-Invasive Plants”** on 24th February, 2026. The resource person for the session was Prof. Daizy R. Batish.



The program began with a formal welcome of the resource person, Prof. Batish by Prof. Deepti Gupta, followed by a warm welcome of Principal, COE Sanjauli, Prof. Bharti Bhagra by Dr. Shikha Chandel.

The session then proceeded with the lecture by Prof. Daizy R. Batish. Prof. Batish explained the concept of neo-invasive plant species, describing them as plants that have recently emerged as invasive in new habitats and ecosystems. She elaborated on how these plants spread rapidly due to factors such as high reproductive capacity,

adaptability to diverse environmental conditions, and lack of natural predators. The lecture also highlighted the ecological impact of invasive plants, emphasizing how they compete with native vegetation, reduce biodiversity, and disturb the balance of natural ecosystems. She further discussed the economic and environmental consequences associated with their uncontrolled growth, which often leads to degradation of agricultural lands, forests, and natural habitats.



The session also focused on sustainable approaches for the management of invasive species. Prof. Batish discussed eco-friendly control methods including biological control, habitat restoration, and integrated management strategies that aim to reduce the negative impact of invasive plants without harming the surrounding environment. She emphasized the importance of scientific research, community participation, and awareness in addressing the challenges posed by invasive species.

Additionally, the lecture explored the potential utilization of invasive plants, demonstrating how they can be converted from ecological threats into useful resources through innovative and sustainable techniques.



A significant highlight of the workshop was the practical and hands-on training component and display of products prepared by Prof. Batish's research scholars, which introduced participants to various ways of utilizing invasive plants in a productive and environmentally responsible manner. Students were familiarized with methods such as the conversion of invasive plant biomass into Biochar, which can be used for soil amendment to improve soil fertility, enhance carbon sequestration, and promote sustainable agriculture. The practical session also demonstrated other possible applications such as composting of invasive plant material, preparation of organic manure, and their potential use in bioenergy production and value-added products like vases, pots etc. These demonstrations helped participants understand how

scientific approaches can transform problematic plant species into beneficial resources while simultaneously aiding in ecosystem management.

The workshop proved to be highly informative and enriching for the participants. Around 300 students actively participated in the workshop. The insightful lecture and practical demonstrations provided students with a comprehensive understanding of invasive plant ecology and sustainable management practices. The event successfully encouraged students to think critically about biodiversity conservation, ecological restoration, and the responsible utilization of natural resources.

Towards the end of the program, Prof. Bharti Bhagra shared her views, appreciating the efforts of the resource person and organizing department. This was followed by a vote of thanks, marking the formal conclusion of the session.





Hands-on Training on Sustainable Approaches for Management and Utilization of Neo-Invasive Plants

Organized by



Department of Botany,
Centre of Excellence, Government College, Sanjauli, Shimla
In collaboration with



Department of Botany, Panjab University, Chandigarh

Under NMHS funded Project

“Assessment and Management of Neo-Invasive Species and Restoration of Native Plants in the Vicinity of Developmental Projects in Himachal Pradesh”

Guest speaker

Prof. Daizy R. Batish
Panjab University, Chandigarh

Date: 24th February, 2026
Venue: College auditorium

Patron

Prof. Bharti Bhagra
COE, Govt. College, Sanjauli

Convenor

Prof. Deepti Gupta
COE, Govt. College, Sanjauli



Organizing members
Dr. Sushil Sharma
Dr. Shikha Chandel
COE, Govt. College, Sanjauli

