

**POST GRADUATE GOVERNMENT COLLEGE FOR GIRLS,
SECTOR-11, CHANDIGARH**



**Botany
(Session: 2024-25)**

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Orientation programme for PG classes

An Orientation and interaction programme was organised for Post Graduate students of Botany Department on **29th August, 2024**. Thirty-Nine students took part actively in this programme. Students were apprised about the lecture shortage, eligibility criteria for appearing in the final university exams, importance of mid semester examinations and about the infrastructure of the college. They were also introduced to the departmental library and were also guided to use the college library for the study material and research projects guided by faculty. MSc I students also briefly introduced themselves mentioning their interests. Head of the Department Dr. Anurita Sharma motivated the students to achieve their goals by following the discipline and completing their daily assignments on time. She also briefed the students about the meritorious history of their predecessors and took a commitment from them to maintain the same.



Orientation programme organized by Botany Department

Awareness activity regarding importance of medicinal plants

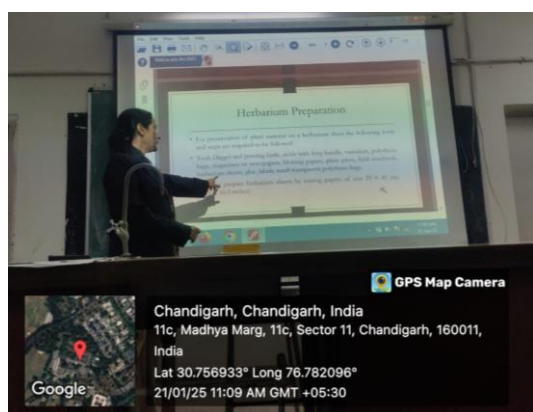
Botany Department of Post Graduate Government College for Girls, Sector 11, Chandigarh in collaboration with CIBioD (Centre for Innovation and Bio-Design, PGIMER, Chandigarh) organized "Awareness activity regarding importance of medicinal plants" on **22nd October, 2024** in Botanical Garden of the college. The purpose of the activity was to instil the sense of responsibility and to make bond with nature for its conservation. In this activity, faculty members of Botany Department along with gardener handed over medicinal plants to 38 students of MSc Botany. They were directed to adopt one plant each and take care of the same by growing it in a large planter or ground at their home or nearby places. The plants which were given to the students were *Azadirachta indica*, *Phyllanthus emblica*, *Ocimum sanctum*, *Murraya koenigii* and *Moringa olifera*. The students were educated about the optimum conditions like water requirements, light quality, soil type, fertilizers required in particular to the plant type. They were also apprised regarding the medicinal importance of each plant.



Students of MSc Botany along with faculty members

Lecture-cum-workshop on “Hands on Workshop on Herbarium Techniques”

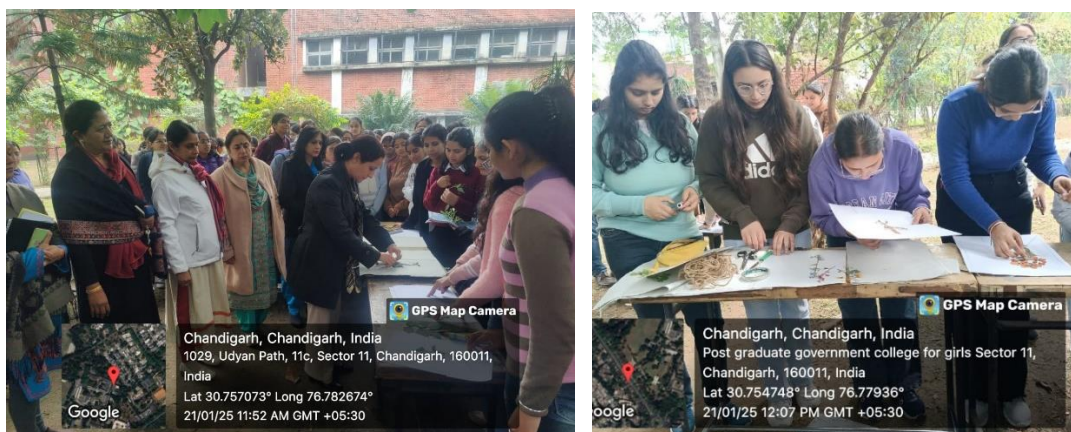
Botany Department and Jigyasa - the Science Society (under the aegis of IQAC) of Post Graduate Government College for Girls Sector 11, Chandigarh organised a one-day Workshop on “*Scientific methods as tools for acquiring knowledge*” on **21st January, 2025**. Dr. Jaspreet Kaur, Assistant Professor, Botany Department, Panjab University, Chandigarh was the resource person. The session started with an interesting and knowledgeable presentation on “Hands on Workshop on Herbarium Techniques” by the resource person. She discussed in detail the process of preparation, presentation and preservation of herbarium. She also explained the importance of herbarium in different branches like phyto-chemistry, molecular biology, embryology, phylogenetic studies and plant systematics. Herbarium contributes to the time of flowering and fruiting. She also enlisted various world-renowned herbaria along with important herbaria of India. She imparted knowledge on E-Herbarium. She also discussed the barcode and colour band on digital herbarium sheet. The precautions for herbarium preparation were also discussed. This was followed by live demonstration of pressing and organization of plant specimen on herbarium sheet. This practical session was undertaken in the Botanical garden. The speaker imparted practical knowledge of various techniques used in pressing and stitching of the specimen. Thereafter, the students themselves prepared herbarium sheets under observance and guidance of the resource person. Ten faculty members from Botany and Chemistry Departments, four lab staff members and around 50 students, attended the workshop and were benefitted by the session.



Dr. Jaspreet Kaur giving her presentation



Students and faculty members attending the lecture



Faculty members and students participating in the workshop; Students learning to make herbarium



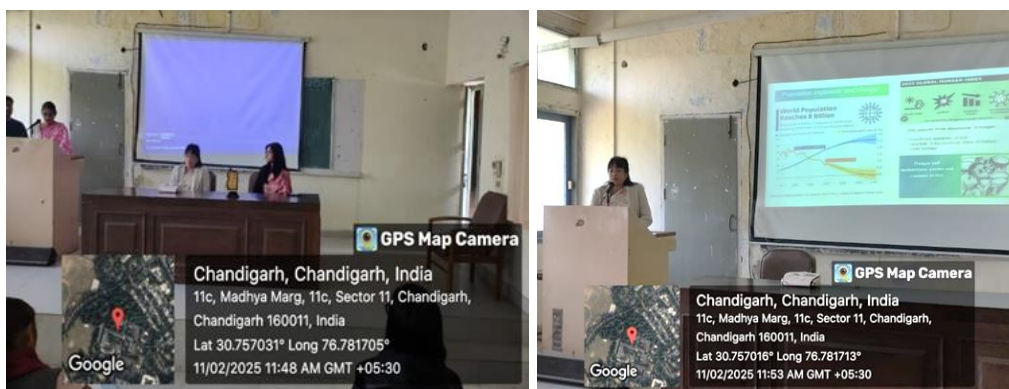
Dr. Jaspreet Kaur giving hands on training on herbarium techniques and students learning the same



Students with their herbaria and resource person being honoured by Principal Prof. (Dr.) Anita Kaushal

Lecture On 'Bamboo: An Emerging Bio Resource for Nutraceuticals'

A lecture on "Bamboo: An emerging bio-resource for Nutraceuticals" was organized by Botany Department of PGGCG-11, Chandigarh in the technical session of one-day National Seminar on "Current Trends in Scientific Research and Knowledge on 11th February, 2025. Dr. C. Nirmala, Professor, Department of Botany, Panjab University, Chandigarh was the resource person. In her lecture, she deliberated the importance of bamboos as nutraceuticals. The speaker discussed the role of various parts of bamboo plant in traditional medicines. She told that bamboo leaves and shoots are believed to have therapeutic effects, improves digestion and reduces cholesterol levels. Dr. Nirmala shared that Bamboo forests are vital ecosystems that support diverse flora and fauna. Promoting ecotourism in bamboo-rich areas can raise awareness about biodiversity and the importance of conservation. She emphasized on tours and educational programs to highlight the ecological significance of bamboo, fostering a sense of responsibility toward environmental preservation. Dr. Nirmala shared several incredible business ideas based on bamboo entrepreneurship and livelihood development. Ten faculty members, four lab staff members and 100 students attended the workshop and were benefitted by the session.



Introduction to the speaker by Dr. Madhumita Bhattacharjee, Associate Professor and Presentation by Resource Person Prof. C. Nirmala



Faculty members and students attending the lecture; Token of appreciation being presented to the resource person by Dr. Anurita Sharma, HoD Botany

Seminar on "JAL - Lifeline in Crisis"

Nivedita Trust in collaboration with Post Graduate Government College for Girls, Sector 11, Chandigarh organized a seminar titled "JAL - Lifeline in Crisis" on 27th February, 2025 under the Sapat Sindhu Knowledge Series in a significant initiative to address water conservation and sustainability. The event took place in two sessions at the Multimedia Hall of PGGCG-11 campus. Both the sessions were chaired by Prof. (Dr.) Anita Kaushal, Principal, PGGCG-11. The Session-I started with a documentary on Water crisis. This was followed by welcome address and introduction to the speakers by Dr. Varinder Garg, President (PGIMER, Chandigarh), OSD to Union Health Minister, Patron Nivedita and Aahar Kranti. Before the lectures by the resource persons, Mrs. Sunaini Guleria Sharma and Ms. Claire Nicolet carried out recitation of Bhumai Sukat, Pavan Guru for melodious and invoking symphonies. First lecture was delivered by Mr. Jaswant S. Zafar on topic "Jal – Introduction & in Indian Scriptures & Sociology of Water". Second lecture was delivered by Mr. Vijay Vardhan on the topic "Water & Water Management of Saptasindhu". Third lecture was delivered by Dr. Seema Singh, Panjab University on the topic "From Saptasindhu to Thein Dam (Time line of Development of Canal System & Facts)". Next lecture was delivered by Lt. Gen. K. J. Singh on the topic "Indus Water Treaty". This was followed by presidential address by Hon'ble Justice Mr. Adarsh Kumar Goel, former Judge, Supreme Court of India and former Chairperson of the National Green Tribunal. His address focused on the urgent need for water conservation, legal frameworks for environmental protection, and sustainable water management strategies in India. The session concluded with felicitation of resource persons and vote of thanks by Dr. Sapna Nanda.

Session-II started with welcome address and introduction to the speakers by Ms. Kalyani. This session consisted of a series of lectures. First lecture was by Dr. Sucha Singh on topic "Green Revolution – Changed Crop Pattern and Depletion of Ground Water". Second lecture was by Dr. Satbir Singh Kadian on topic "Water Pollution & Treated Water Management". The next lecture was delivered by Mr. Jaskirat Singh on topic "Budha Nallah (Amrit Dhara to Zahar da Dariya)". The next lecture was by Mr. Vikram Ahuja on topic "Lost Pond and Water Logging". The last lecture was by Mr. Parbhakar Verma on "Water Conservation". The session concluded with concluding remarks by Mr. K. C. Agnihotri followed by felicitation of resource persons and vote of thanks by Dr. Harish.

In both the sessions, experts and scholars discussed critical issues such as water pollution, depletion of groundwater resources, and effective policy implementation. The event aimed to create awareness among students, academicians, and environmental enthusiasts about the ongoing water crisis and the

necessary measures to mitigate it. The seminar witnessed enthusiastic participation by around 150 students, faculty members and environmentalists, highlighting the importance of collective action to safeguard water resources.



Brochure of the event; Prof. (Dr.) Anita Kaushal, Principal, PGGCG-11 chairing the session



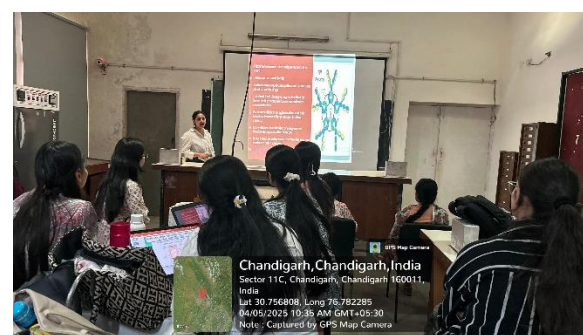
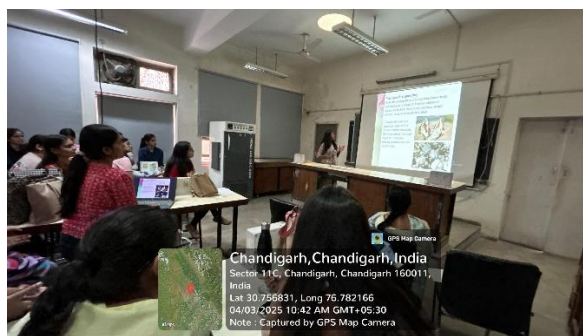
View of the audience in Session I and Session II



Felicitation of resource persons

Three-days Departmental Workshop on PowerPoint Presentation, Theme: Ecology and Habitat

Botany Department organized a "Three-days Departmental Workshop on PowerPoint Presentation". for PG students from 3rd April to 5th April, 2025. The theme for the presentation was "Ecology and Habitat". A total of 38 students of MSc I Botany and MSc II Botany participated in the event. A total of 18 entries were received. Students presented their PPTs on various topics related to various factors affecting ecology and conservation of natural habitats. They also discussed current trends related to the topics. The presentations were evaluated by the faculty members of Botany. The power point presentations given by the students were full of knowledge and would be helpful for them in preparation of competitive exams. On the last day, the students were guided by the faculty of Botany to make their presentations more interesting and effective.



Glimpses of the event