

Govt. Meera Girls College, Udaipur (Rajasthan)

Department of Botany

PG Council Report 2023-2024

On December 19, 2023, the executive committee of the Postgraduate Council was constituted in the Botany Department. The following appointments were made:

- **President:** Aanchal Pandya (PG Final year)
- **Vice-President:** Ronak Gupta (PG Previous)
- **Secretary:** Mahima Patel (PG Final Year)
- **Treasurers:** Sameera Raza & Siddhi Chobisa (PG Final Year)

Departmental Patron: Dr. Savita Chahar

Council In-Charge: Dr. Geeta Swami

Council Members: Dr. Anamika Singhvi, Dr Nasreen Banu, Dr. Kiran Tak, Dr. Vartika Jain, Dr. Ameesh Dev Singh and Dr. Jitendra Singh Rathore

Activities and Events:

1. Educational Field Visit:

Students from both the previous and final years of the postgraduate program studied the biodiversity of Sajjan Niwas Garden, Udaipur (Gulab Bagh) on 21.07.2023. They observed various types of plants including algae, fungi, bryophytes, pteridophytes, and angiosperms. They also examined 300-year-old Mahogany trees and collected samples of several plants such as Kanak Champa, Katili Champa, Golden Champa, Tuna ciliata, Aakash Neem, Sterculia foetida, Kalpavriksha, Tamarix, etc. They also observed ferns like Fish Tail Palm, Bottle Palm, Nephrolepis, and others. The students also visited the Bird Park and learned about different species of birds.



2. Central Laboratory Visit:

On 26.07.2023 , students from the final year of the postgraduate program visited the central laboratory of the Botany Department at Mohanlal Sukhadia University, under the guidance of Dr. Kiran Tak and Dr. Vartika Jain. They learned about the functionality and utility of various scientific instruments, including Gas Chromatography, Mass Spectrometry, UV-Visible

Spectrophotometer, HPLC, Thermo Cycler, Fluorescence Microscope, Gel-Electrophoresis, and Refrigerated Centrifuge Machine. They conducted observed practical applications of some of these instruments.



3. National Seminar:

A National seminar on **Plant Taxonomy and Nomenclature** was organized under the joint aegis of the Postgraduate Council, IQAC, and Indian Botanical Society, Udaipur Chapter (IBS-UC) on 10.08.2023. The keynote speaker, Prof. Surendra Singh from Choudhary Charan Singh University, Meerut, explained the techniques for drying plant specimens and storing them on herbarium sheets. He also provided an easy guide for plant identification. The second speaker, Prof. Farhat Banu (Retired Assistant Director, College Education, Udaipur), discussed the types of forests in Rajasthan and the plants found therein through a PPT presentation. Principal Dr. Meena Baya emphasized the significance of the seminar, and IQAC Coordinator Prof. Anjana Gautam highlighted the importance of such seminars in understanding the value of plants, especially in the context of the COVID-19 pandemic. IBS-Udaipur Chapter President Dr. Vineet Soni discussed the utility of the seminar in accurate plant identification.







4. **Eco-friendly Rakhi Making Competition:**

A competition was organized on 04.09.2023 where students were asked to make Rakhi using parts of plants and their various components. The students created beautiful and interesting Rakhis using plant parts such as seeds, leaves, twigs and various types of flowers. The judges for the competition were Dr. Savita Chahar, Head of the Botany Department, Dr. Nasreen Banu, and Dr. Ameesh Dev Singh. The winners were from the PG final year, Riddhi Goyal (First), Siddhi Choubisa (Second), and Dharmistha Vyas (Third) from the final PG final year.





Prof. Savita Chahar
Head of Department

Prof. Geeta Swami
Council In-Charge

Govt. Meera Girls College, Udaipur (Raj.)

National Seminar on Plant Taxonomy and Nomenclature

10th August 2023

Report

National Seminar on Plant Taxonomy and Nomenclature was held on Thursday, 10th August 2023, at Govt. Meera Girls College, Udaipur. The seminar was organized by Dept. of Botany, PG council and IQAC of Govt. Meera Girls College, Udaipur in collaboration with Indian Botanical Society, Udaipur Chapter. The program was started with the garlanding of Maa Sarswati. Convener of the program Prof. Savita Chahar welcomed all the distinguished guests and participants of the seminar. IQAC Coordinator Prof. Anjana Gautam said that during COVID-19 everyone had to depend on plant based medicines and that is why plants are so important. In nature, there are several types of plants available and to find out the correct one need a great expertise. For that purpose, the seminar has been planned.

Principal of MG College, Dr. Meena Baya blessed the gathering in her presidential address and shared her experiences related to plants. She said that the correct identification of plants is must and these kinds of seminars are the need of the hour as plants are the backbone of human life and used in several medicines. Dr. Vineet Soni, President of IBS, Udaipur chapter also welcomed everyone and motivated students to learn more and more while interacting with eminent speakers.

The keynote speaker of the seminar Prof. Surendra Singh, who served as Director, ITS Institute at CCS University, Meerut was introduced to the audience by the convener of PG council Prof. Geeta Swami. He taught the students various important concepts of plant nomenclature in simple language. He also clarified the various queries of the students related to Herbaria, voucher specimen no., accession numbers, holotypes, paratypes etc. He also demonstrated identification of plants growing in the college campus. Organizing Secretary Dr. Vartika Jain gave heartfelt thanks to Prof. Singh for giving his valuable time to students.

The plenary speaker of the Seminar Dr. Farhat Banu was introduced to the audience by Prof. Kiran Tak. Prof. Banu was retired from Botany Dept. of MG College and had an expertise in plant taxonomy. She spoke on vegetation of Rajasthan in context with ecological changes and gave several examples of herbs, shrubs, trees and climbers in her PPT presentation. She also told about the endemism in flora existing in Rajasthan and gave various clues for identification of plants. Dr. Vartika summarized talk of Prof. Banu and extended big thanks to her for sparing time and sharing precious knowledge.

In the end, Prof. Anamika Singhvi, Co-convenor of the Seminar gave vote of thanks to each and every person involved directly or indirectly in the Seminar. The seminar was held successfully with active co-operation of Prof. Kiran Tak, Dr. Ameesh D. Singh, Dr. J. S. Rathore, Bhavika Kunwar, Seema Naga, Anju Kumari, Kajal, B.P. Ameta and Yashpal Singh Charan. The organizing secretary Dr. Vartika Jain said that more than 100 participants attended the Seminar. Anchoring of the seminar was done by the students of M.Sc. Botany, Mahima Patel and Siddhi Choubisa.



