

Report of Botany Department (2021-22)



**Mehr Chand Mahajan
DAV College for Women
Sector-36(Chandigarh)**

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Report on “Tree Plantation cum Plant Distribution Drive” organized on 28.7.2021 by the Department of Botany and Add on Course in Floriculture and Landscaping to mark the celebration of World forest Day

Conserving nature for our future generations is dire need of the hour. Committed to the cause of “Greener and Sustainable Earth” the Department of Botany and Add on Course in Floriculture and Landscaping, Mehr Chand Mahajan DAV College for Women, Sector 36-A, Chandigarh undertook dual celebration of annual tree plantation festival of Van Mahotsav and World Nature Conservation Day on 28.7.2021. A tree plantation cum plant distribution drive was organized to mark the occasion. The drive commenced with the plantation of a sapling by Principal Dr.Nisha Bhargava. Following this, saplings of plants having medicinal and ornamental importance were distributed among the teaching and non-teaching staff. Number of participants-10.



Power Point Presentations on Nutritional Plants to celebrate PoshanMaah under the Rashtriya Poshan Abhiyaan (1-7 September, 2021)

Plants are the core of our existence. They provide us with valuable resources. Since times immemorial, they have been fulfilling our nutritional needs and play a major role in maintaining a healthy body and mind. The first week of September is being celebrated as Poshan Maah under the aegis of the Rashtriya Poshan Abhiyaan, a programme by the Government of India. During this activity the students were made aware about the Nutritional and medicinal values of the plants growing around us in our neighbourhood. 79 students of BSc. Med. third year participated in this activity.



Nutri-Plantation drive on 7.9.2021 to mark the celebration of Nutritional Week, during the 4 th Poshan Maah.

A plantation drive was organized by the Department of Botany under the Aegis of MCM Eco Club on 7.9.2021, to celebrate the 4 th Poshan Maah with a theme “Plantation activities as PoshanVatika” under the Rashtriya Poshan Abhiyaan, a flagship programme of the MOEF, Government of India. Fruit trees and medicinal plants were planted in different areas of the campus. The drive was initiated with the plantation of a fruit tree sapling by the Principal, Dr.Nisha Bhargava. Thereafter students and faculty members planted saplings of plants with nutritional value in different areas of the campus. In all 20 people including students, faculty members and staff took part in the drive.



“A Nature’s Walk” organized on 04.10.2021 by the Department of Botany and Add on Course in Floriculture and Landscaping to mark the celebration of National Wildlife Week.

On 4th October 2021, Department of Botany, Mehr Chand Mahajan DAV College for Women Sector 36A, Chandigarh organized “A Nature’s Walk” on the occasion of “Wildlife Week” under the guidance of Dr. Gunjan Sud (Head, Department of Botany). To introduce students with the rich flora of the college campus, students were guided to the “Botanical Garden” of the college campus by Dr. Gunjan Sud on 04.10.2021 to mark the occasion. She apprised the students with the rare, endemic, vulnerable, endangered, commonly found, medicinally important, home remedial and commercially important plant species existing at the botanical garden of the college. Along with this, geotagging of plant species was done within the campus. The entire event was conducted following proper norms under the prevailing circumstances which have arisen as a result of COVID-19 Pandemic. In all 35 participants including Dr. Gunjan Sud, 2 faculty members of the Botany Department, 1 lab assistant and 2 malis participated in the activity.



One day field trip to National Cactus and Succulent Botanical Garden organized on 30th November, 2021 by the Department of Botany and Add on course in Floriculture and Landscaping

A one-day field trip to the National Cactus and Succulent Botanical Garden, Sector-5, Panchkula on 30th November, 2021 was organized by the Department of Botany and Add on Course in Floriculture and Landscaping, Mehr Chand Mahajan DAV College for Women, Sector 36-A, Chandigarh. The field trip was attended by 20 students of Botany and Add-on course in Floriculture and Landscaping along with two faculty members, Dr.Gunjan Sud and Ms. Kajal Loria. The trip provided an opportunity to the students to learnt about wide variety of succulent plants for their research, conservation, display and education. The students engaged themselves with the living plants and surroundings and felt connected to the environment. Greenhouse were also maintained for the cultivation of rare and uncommon plants. The living plant material and preserved specimens which are needed for study and research were kept in collection. The students saw local flora as well as collection of monographic works in the botanical garden. They enjoyed the field trip to the most and were very enthusiastic to share their opinions and information on plants and their benefits.



One-day field trip to Nursery organized on 2 nd December, 2021 by the Department of Botany and Add on course in Floriculture and Landscaping

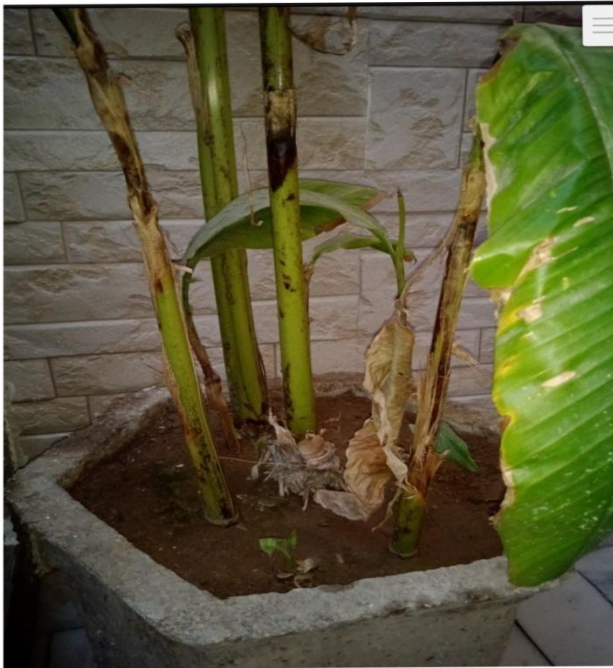
A one day Nursery visit was organized by the Department of Botany and Add on Course in Floriculture and Landscaping, Mehr Chand Mahajan DAV College for Women, Sector 36-A, Chandigarh on 2 nd December, 2021. The field trip was attended by 21 students of Botany and Add on course in Floriculture and Landscaping along with two faculty members, Dr.Gunjan Sud and Ms. Kajal Loria. The students versed with young seedlings, indoor, outdoor and all types of ornamental plants and their importance in our lives. The students were introduced to various techniques used for plant propagation on a large scale for commercial purposes. They also learnt about providing appropriate artificial living conditions for cultivation of off-season variety plants along with their protection and final plantation in bags and pots for sale. They enjoyed the field trip to the most and shared their knowledge with others.



An activity ‘Maintain your Pots’ organized on 30th January, 2022 by the Department of Botany and Add on course in Floriculture and Landscaping

An activity titled ‘Maintain your pots’ was organized by the Department of Botany and Add on Course in Floriculture and Landscaping under the aegis of “MCM Eco Club” on 30 January, 2022 and performed by the students under the guidance of Dr.Gunjan Sud and Ms. Kajal Loria. The event aimed to create awareness among the students regarding keeping pots hydrated, providing appropriate soil, manures and fertilizers, maintaining adequate humidity and selection of pot size. Moreover, the students were involved in a variety of interesting activities such as planting, mulching, weeding, ploughing and hoeing. The activity proved to be an enriching experience for the students as they also got insights into several interesting plant species that grow in their surroundings. Furthermore, the students performed well and were enthusiastic to share their experience and learnings regarding the activity. Number of participants-20.





One-day trip to Central Forensic Sciences Laboratory, Sector 36-A, Chandigarh on 14 February, 2022 by the Department of Botany

Activity Report: A One-day visit to the **Central Forensic Sciences Laboratory** was organised by the Department of Botany, Mehr Chand Mahajan DAV College for Women, Sector 36-A, Chandigarh. 21 students of BSc. (Medical) visited the Institute along with two faculty members, Dr.Gunjan Sud and Dr.Jasleen Kaur and one JLA, Mr. Prakash Chand. The trip provided an opportunity to the students to learn about the career avenues available in this field. The main objective of the visit was to give the students an exposure to the various techniques involved in the forensic analysis of the data submitted by the Police and the Judiciary. The Director, Dr. I. Haque gave an insight into the procedural handling of the data linked to the forensic cases. Another important objective of the visit was to make the students aware about the various employment opportunities available in the field of Forensic Sciences.





An overall view of vegetables and Ornamental Crop Diseases: Symptoms and Management” was organized on 22ndFebruary,2022

An online workshop entitled “An overall view of vegetables and Ornamental Crop Diseases: Symptoms and Management” was organised by the Department of Botany and Add-on course in Floriculture and Landscaping, Mehr Chand Mahajan DAV College for Women, Sector-36A, Chandigarh, under the aegis of IQAC on 22.2.2022. The workshop aimed at providing information pertaining to the development of disease on the common vegetable and ornamental crop along with methodology followed for disease control. The resource person Dr.Kishor Sharma scientist (Plant Pathology), College of Horticulture and Forestry, Thunag, Distt. Mandi, Himachal Pradesh shared first-hand information on common diseases occurring in plants with economic utility along with control measures. The activity was highly appreciated by the participants. The Gathering included the teaching faculty, Non-teaching staff, students and 8 malis. The resource person presented PPTS to the participants to provide them deep insight into the topics which kept them completely engrossed.



Report on “World Forest Day” organized on 21st March,2022 by the Department of Botany under the aegis of MCM Eco Club Parivesh.

On 21st March 2022, Department of Botany, under the aegis of MCM Eco Club “Parivesh”, Mehr Chand Mahajan DAV College for Women Sector 36A, Chandigarh organized an event on the occasion of “**World Forest Day**” under the guidance of Dr. Ruby Singh and Ms. Jyoti Shekhawat (Assistant professors, Department of Botany). The theme for World Forest Day” 2022 is ‘**Forests and Sustainable Production and Consumption**’. This Day celebrates and raises awareness of the importance of all types of forests. In pursuance to the same, a documentary has been presented to the students of B.Sc. Medical. After that there was a discussion session regarding the need of forest to continue sustainability and survivability of the ecosystem. 52 students participated with enthusiasm in the event. This was an enlightening session for the students as they got to know that the importance of the conservation of existing forest is as important as planting the new one. Along with this, geotagging of the event was done. It was an informative and factful activity conducted by the department and it was explained about how restoration and sustainable management of forests can help address climate change and biodiversity crisis.



Mehr Chand Mahajan DAV College for Women Sector 36 A

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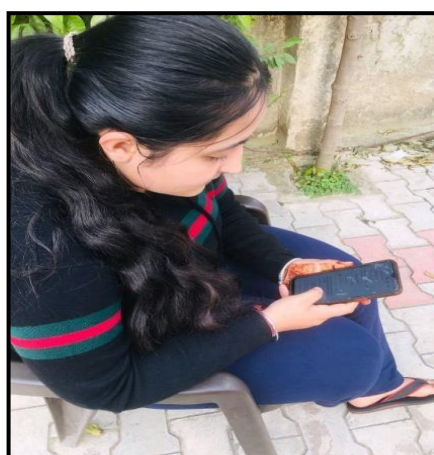
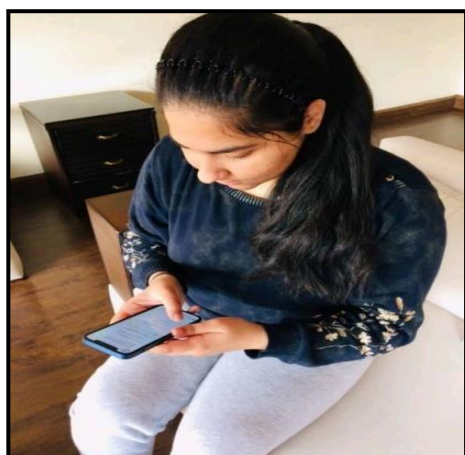
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Mehr Chand Mahajan DAV College for Women

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Report of National Level Online Quiz in Botany, organized by Department of Botany, Under the aegis of MCM Vigyan Manch, as a part of Science Week Celebration (22 February to 28 February, 2022)

The Department of Botany, under the aegis of MCM VIGYAN MANCH, organized a National Level Online Quiz in Botany, as part of ongoing Science Week (22nd to 28th February, 2022) under Amrit Mahotsav on 23.02.2022. The event was sponsored by Department of Science and Technology & Renewable Energy, Chandigarh Administration, Chandigarh. The theme of the quiz was Integrated Approach in Science and Technology for A Sustainable Future. During the event, around 89 people from different states including Haryana, Punjab, Himachal Pradesh, Gujrat, Karnataka, Maharashtra and U.T Chandigarh across the nation participated in the National Level Online Quiz. The quiz was based on the facts related to science and technology, and sustainable practices adopted in the field of Botany. The winners of the Quiz are as follows: First Prize (Rs. 1500/-): Ms. Ankita Jindal, Sri Gur Ram Das Institute of Medical Sciences and Research, Amritsar, Punjab. Second Prize (Rs. 1000/-): Ms. Ashmeet Kaur, Mehr Chand Mahajan DAV College for Women, Sector 36-A, Chandigarh. Third Prize (Rs. 500/-): Ms. Palak Soni, Mehr Chand Mahajan DAV College for Women, Sector 36-A, Chandigarh.



MCM Vigyan Manch
Mehar Chand Mahajan DAV College for Women
Sector 36, Chandigarh
celebrates
SCIENCE WEEK
(22nd to 28th February, 2022)
Sponsored by
Department of Science & Technology & Renewable Energy
Chandigarh Administration, Chandigarh

Co-Convener
Dr. Indu Arora
Dean (Science), HOD, DCSA

Convener
Dr. Nisha Bhargava
Principal

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f t i

23 Feb, 2022

National Level Online Quiz in Botany

by Department of Botany

Theme: Integrated Approach In Science And Technology For A Sustainable Future

Cash prizes will be awarded to first three position holders

1st prize- Rs. 1500/-

2nd prize- Rs. 1000/-

3rd prize- Rs. 500/-

Instructions for the Participants

- Link will open on 23rd February, 2022 at 12.00 noon. **Time: 12.00 Noon – 12.35 P.M.**
- Registration cum participation link <https://forms.gle/XuhGqzMNSc42pi6G7>
- Participation is OPEN to all bonafide UG students.
- The time duration of this quiz is 35 minutes.
- ***e-Certificates will be provided to all students securing 75% or more marks and will be mailed within a span of 2-3 weeks.***

Coordinators

Dr. Gunjan Sud

Dr. Purnima Bhandari

An Inter College Flower Competition organised on 31st March, 2022 by the Department of Botany and Add-on course in Floriculture and Landscaping

Activity Report-An Inter College Flower Arrangement Competition with the theme ‘Floral Diversity and Rejuvenation’, was organized on 31st March 2022, by the Department of Botany and Add-on course in Floriculture and Landscaping, Mehr Chand Mahajan DAV College for Women Sector 36-A, Chandigarh. The event was coordinated by Dr. Gunjan Sud and Ms. KajalLoria. The competition aimed at harnessing the talent and creativity of the students. The show was based on two categories viz. individual and the group. Keeping in mind the theme of the competition, the students prepared the floral layouts with apt individual titles such as ‘*Des Rangila*’; ‘*Like a wild flower, she spent her days allowing herself to grow*’; ‘*Life is short so make every day adventure*’; ‘*Kudrat ne adharbanaya, jeevo ne gharbanaya*’, etc. Winners of both the categories were felicitated by Principal Dr. Nisha Bhargava. The judgment was based on creativity and concept. In all 21 participants belonging to the different colleges of Chandigarh took part in the event. In the individual category Anjoli Nameirakpam from Mehr Chand Mahajan DAV College for Women, Pooja and Jaskiran Kaur from PGGCG-42 were adjudged 1st, 2nd and 3rd. In the group category all the three prizes were bagged by Mehr Chand Mahajan DAV College for Women. Mrs. DeepaChibber, Mrs. Suman Mahajan and Dr. Pooja Sharma judged the various flower arrangement on their appearance at exhibit time.





Report on “**Mini symposium on Plants in challenging life**” organized by the **IISER Mohali** on **1st April 2022**

On 1st April 2022, **IISER Mohali** organized “**Mini symposium on Plants in challenging life**” Invited speakers were Dr. Jitender Giri, NIPGR, New Delhi and Dr. Ajay K. Pandey, NABI, Mohali. Dr. Ram Yadav, IISER, Mohali was there for a discussion session. Dr. Jitender Giri (NIPGR) talked about "Underground revolution: Roots can help achieving food security". Dr. Ajay Pandey (NABI) talked about "Functional analysis of gene: an update". Dr. Ram's discussion was on shoot meristems. 50 students along with 4 teachers attended the event. After lectures there was a discussion session. This was an enlightening session for the students as they got to know about current research going on in the renowned institutes like NIPGR, NABI AND IISER. Along with this, geotagging of the event was done. It was highly informative event conducted by IISER MOHALI. Number of students attended the symposium: 50. Number of teachers attended the symposium: 04





Promotion of herbs as constituents of healthy diet by the Department of Botany at the “Eat Right Mela” organized by the Chandigarh Administration on 15.5.2022.

Activity Report: A stall for promotion of herbs as ingredients of a healthy routine diet was set up by the Department of Botany at the “Eat Right Mela” organized by the Chandigarh Administration on 15.5.2022. Pots containing different herbs with medicinal and food value were prepared and kept for sale. Value addition was done by placing flags bearing the Botanical name, common name and uses. Two students Avni Garg and Varistha Jain of B. Sc. IInd Year (Med.) participated in the event along with the activity coordinator Dr. Gunjan Sud, Assistant Professor and Head, Department of Botany.

Objective: The main objective was to create awareness amongst the common people about the important role that plants play in improving our health as dietary constituents. Further by exhibiting the prepared pots they were encouraged to grow herbs in limited spaces which will serve the dual purpose of sustainability and also improving our environment.

The context: Plants form an essential part of our daily diet. If consumed in a proper and balanced manner they help us in fulfilling the daily body requirement of minerals and other essential elements. Growing plants will not only create a healthy surrounding but will also promote sustainability.

The Practice: Through this activity the people were introduced to the different types of herbs and their parts which can be consumed in a raw or processed form and were also motivated to create their own small gardens in a limited space.

Evidence of success: The visitors were very keen and happy to learn about the propagation, maintenance and usefulness of different herbs and many of them purchased the prepared pots.

Problems encountered and resources required: Limited time and space were a matter of concern.



