

## Botany Department Activities (2023-2024)

- **National Student Paryavran Competition:** organized by DGHE, Haryana along with 'Paryavaran Sanrakshan Gatividhi' (PSG), scheduled from July 01, 2023 to August 21, 2023. PSG is a nationwide organization determined to take up the task of conservation and protection of environment. Under this campaign, an online quiz competition for students of all levels was organized. Another interesting aspect of this campaign was that the students were supposed to sow 10 seeds of any plant, get their picture clicked while doing so and upload it with the registration form. This was a part of their contribution to save our environment. Under the aegis of Eco-Club of our college, about 100 students of our college (49 students among these from B. Sc. Medical) participated in the above quiz competition with great zeal and were awarded with an E-Certificate by the PSG.
- **University Positions Bagged by our Students:** Ms. Amandeep Kaur, B.Sc. III 6th Sem got 91.72% marks and bagged overall 3<sup>rd</sup> Position and Ms. Anshika, B.Sc. III 6th Sem got 91.65% marks and bagged overall 4<sup>th</sup> Position in Session 2022-23.
- **Intra-College Poster making and Slogan writing competition:** organized by Science Departments on **September 16, 2023** to commemorate 'World Ozone Day'. The theme of event was 'Montreal Protocol: Fixing the Ozone and Reducing Climate Change'. First of all, tree plantation was done in the college hostel by respected Principal madam, Mrs. Meenu Sharma along with the whole Science faculty. An awareness documentary based upon the 'Ozone depletion, its negative impacts and management strategies' was also shown to the students.





Many students participated in the above mentioned competitions, the results of which were as follows:

**Slogan Writing Competition:**

1<sup>st</sup> Position- Ms. Meghna, B.Sc. III Biotechnology

2<sup>nd</sup> Position- Ms. Aanchal, B.Sc. II Medical

3<sup>rd</sup> Position- Ms. Khushi, B.Sc. II Medical and Ms. Lovely, B.Sc. II Biotechnology

**Poster Making Competition:**

1<sup>st</sup> Position- Ms. Taruna, B.A. II

2<sup>nd</sup> Position- Ms. Alankrita, B.Sc. I Life Science and Ms. Yakriti Sadyan, B.Sc. II Medical

3<sup>rd</sup> Position- Ms. Sanjana Rani, M.Sc. I Geography and Ms. Bishakha, B.Sc. I Life Science

Consolation Prize- Ms. Anju BBA II, Ms. Jyoti B.Sc. III Biotechnology, Ms. Drishti M.Sc. II Geography and Ms. Simran B.Sc. II Biotechnology

- **District Level Science Essay Writing Competition:** Ms. Bishakha (Roll no. 1230526006) and Ms. Chhavi Seth (Roll no. 1232547013) of B.Sc. I Life Sciences, Ms. Yakriti (Roll no. 1222022030001) of B.Sc. II Medical, Ms. Simran (Roll no. 1212022030009) of B.Sc. III Medical participated in this competition organized by Dyal Singh College, Karnal under the aegis of Haryana State Council for Science, Innovation and Technology on **September 18, 2023**. Essay of Ms. Bishakha on topic '**Role of Robots in Modern Technology**' got shortlisted among best ten entries received by them for participation in its further state level essay writing competition. She then participated in the State Level Competition held at Dayanand Mahila Mahavidyalaya, Kurukshetra on **February 21, 2024**. Topic of her essay during this competition was "**Role of Artificial Intelligence in Present Scenario**".
- **District Level Science Quiz Competition:** Ms. Nancy, Ms. Anu and Ms. Meghna of B.Sc. III Medical and Biotechnology, respectively along with other team members from non-medical stream, participated in this contest organized by Pt. Chiranji Lal Sharma Govt. College, Karnal on **September 22, 2023**.

- **National Level Online Slogan Writing Competition:** organized by NSS Unit and Eco-Club of Markanda National College, Shahabad Markanda on **October 10, 2023**. Ms. Yakriti and Ms. Aanchal of B.Sc. II Medical participated this competition
- **Two-Day Training Workshop on Basics of Gardening:** was organized by our Department on **October 10 & 11, 2023**. Resource person during this workshop was Dr. Balkar Singh, Associate Professor, Department of Botany, Arya PG College, Panipat. On day one of the workshop, Dr. Balkar delivered two informative lectures on the topic 'Basics of Gardening' at our college where he guided and enlightened the students regarding, different types of pots, types of soil, preparation of gardening mixture, soil additives, nutrient solution, potting and repotting of plants, care of indoor as well as outdoor plants, natural pest remedies, vegetative propagation of plants, topping it with some additional gardening tips. During day two of this workshop, our students visited an organic farm, located near Madlauda, Haryana, where they received practical knowledge of the gardening skills for growing vegetable crops and ornamental plants including succulents and aquatic plants.





- **Educational Visit to Atal Park and Karan Lake, Karnal:** was organized by the Department of Botany on **November 22, 2023** for the students of B.Sc. I (Life Sciences). At Karan Lake, they observed fresh water algal forms and also collected algal samples from the lake sides for further studies. They also studied the morphology of various cultivated plants as well as weeds present there. At Atal Park, they had an enriching experience while studying morphology of different gymnosperms and angiosperms, canopy types, types of branching and leaves, phyllotaxy, shapes of flowers and fruits. They also enjoyed the aesthetic beauty of the park and various kinds of plant arrangements. A day before this visit, students were given an exposure of the plant diversity of the college premises also.





- **National Level Online Quiz Competition:** organized by Legal Literacy Cell and Women Cell of I.B. PG College, Panipat to celebrate National Voter's Day on **January 25, 2024**. Nine of our students from B.Sc. II and III (Medical and Biotechnology) participated in this quiz.
- **National Level Essay Writing Competition:** organized by Legal Literacy Cell and Women Development Cell of Government College for Girls, Padha, Karnal on the occasion of National Voter's Day. Topic of this competition was 'My Vote, My Future: Duties of the Youth in a Developed India'. Our student Ms. Lovely of B.Sc.II Biotechnology participated in this competition.
- **National Level Online Slogan Writing Competition:** organized by Eco-Club and Alumni Association of M.D. S. D College, Ambala City to celebrate '**National**

**Cleanliness Day**’ on **January 26, 2024**. Our student Ms. Richa of B.Sc. II Medical participated in the above competition.

- **State Level online Poster making competition:** organized by Kalpadhara- The Eco-Club of S. A. Jain College, Ambala to celebrate ‘**National Cleanliness Day**’ on **January 30, 2024**. Our student Ms. Sumedha of B.Sc. II Medical participated in the above competition.
- **DGHE Sponsored District Level Science Exhibition:** Botany Model on topic ‘**Agrosystem and Ecosystem in Synergy with AI- Equip, Adapt and Evolve**’ was presented by two of our students Ms. Khushi (Roll no. 1222022030027) and Ms. Yakriti (Roll no. 1222022030001) of B.Sc. II Medical in this exhibition held at Government College for Women, Karnal on **January 30, 2024**. Our model bagged **II prize** during this event.



- **One day educational trip to Forest Research Institute and Botanical Survey of India, Dehradun:** was organized by Department of Botany for their B.Sc. II and III Medical students on **February 12, 2024**. The students were accompanied by Dr. Nadia Chowhan, Head, Department of Botany along with Dr. Seema Sharma and Dr. Sonia Rathhee (Assistant Professors, Botany). Dr. Ranjana Negi, Head, Forest Botany Division (Scientist E) welcomed the students and enlightened the students about the institute mandates and wide scope of pursuing career in this arena. Students and staff had a great learning experience during their guided tours to its herbarium and various museums *viz.* Non-wood Forest Product Museum, Silviculture Museum, Timber Museum and Pathology Museum of FRI, accompanied by Ms. Mannu Saroj and Mr. Sumit Singh Bisht, Technical Assistants, Forest Botany Division, FRI. Afterwards, the group visited BSI, where Dr. Aarti Garg, Scientist E, gave a detailed demonstration of the herbarium preparation techniques to the students, followed by an enlightening visit to their renowned herbarium guided by Ms. Latika Sabharwal and Ms. Poulami Ghosh, Botanical Assistants, BSI.



- **National Science Day:** was celebrated at our college by all the science departments on **February 28, 2024**. During this day, a documentary based on the life of great aerospace engineer and astronaut Kalpana Chawla was shown to inspire our students. Various science exhibits prepared by the science students on futuristic and scientific solutions to major environmental/ ecological problems were also displayed in the college. Students

from other streams also interacted with them and gained knowledge about these science models. A career counselling session was also organized for our students, in collaboration 'Western Overseas Career Counsel'. Ms. Tamanpreet Kaur, a certified career counsellor interacted with the students and guided them to carefully choose their career paths in future.







- **Essay Writing Competition:** organized by Hindu Girls College, Sonapat on **March 07, 2024**. Topic of this competition was **‘Invest in Women: Accelerate Progress’**. Our Student Ms. Anmol from B.Sc. II Medical participated in this competition.
- **Inter-College Online Essay Writing Competition:** organized by Government College for Women, Sonapat on topic **‘Role of Education in Women Empowerment’** on **March 07, 2024**. One of our student Ms. Saloni of B.Sc. III Medical (1212022030021) participated in this competition.
- **National Level Online Quiz:** organized by Women Development Cell of Markanda National College, Shahabad (M.) to commemorate International Women’s Day, 2024 on **March 09, 2024**. Theme of the competition was **‘Women Empowerment’**. Around 12 of our B.Sc. II and III (Medical and Biotechnology) students participated in this competition.
- **Industrial Visit to Cooperative Sugar Mill, Karnal:** An industrial visit to Cooperative Sugar Mill, Karnal was organized by the department for B.Sc. III students on **March 05, 2024**. Students studied about sugar production process during this visit. During the guided tour to different sections of the mill, Sh. Ajay Kumar Rana (Production Engineer, Sugar Mill) described the different steps of the whole process to the students. Later, Sh. Gagandeep (Turbine Manager, Sugar Mill) explained them about the electricity generation process through bagasse and pollution control measures adopted by the Mill.





- **Local Plant Collection Trip-** A plant collection trip to local area of village Jhanjari/CHD City, Karnal was organized by the Department of Botany for BSc I Life Science students on **May 02, 2024**. Students collected various types of wild plants for their herbarium preparation and also performed one of their ecology experiments there to study the density, frequency and abundance of plants in a particular area.



