Botany Department Activities
(Session 2025-26)

- **Prakriti Mahotsav:** an eco-awareness programme, organized by **National Dairy Research Institute, Karnal** on **August 18, 2025.** It was attended by our student representatives from Eco-Club along with faculty members from department of Biotechnology, Dr. Ritu Rani and Ms. Chetna.

- **District Level Quiz Competition:** organized at **Pt. Chiranji Lal Sharma Government PG College Karnal** on **September 12, 2025.** Two of our teams participated in this contest with two students of B.Sc. III Life Science (SFS), Ms. Yashika and Ms. Chhavi Seth, in our Team I alongside a non-medical student, Ms. Shivani. Ms. Khushi Sharma of B.Sc. III Life Science (SFS) was in the Team II with two Non-Medical students, Ms. Tanisha and Ms. Payal. Both our teams got selected for the further Zonal Level Quiz Competition by bagging 1st and 4th positions, respectively. **Zonal Level Quiz Competition** was later conducted later at **GVM College, Sonepat** on **January 29, 2026.** One of our teams with Ms. Yashika, Ms. Chhavi Seth and Ms. Shivani secured **second** place during this competition, **won a cash prize of Rs. 30,000/-** for the team and got selected for the State level quiz competition to be conducted later. Later, they also participated in the state level of this quiz competition held at **Dyal Singh College, Karnal** on **April 15, 2026**.

- **World Ozone Day, 2025**: was observed by all the Science departments of our college, following this year's theme, **'From Science to Global Action'** which highlighted the importance of scientific research and global cooperation in protecting the ozone layer. To commemorate this significant day, tree plantation was done in the college premises on **September 15, 2025**. Soon after that, a thoughtful pledge was taken by staff as well as students of the college to contribute to Ozone layer protection. They committed themselves to raising awareness about adopting eco-friendly practices for its protection and supporting initiatives that promote sustainable development. Furthermore, State-level online poster making and essay writing competitions were organized. The competitions also aimed to raise awareness about the importance of ozone layer protection and encourage students to think creatively about environmental conservation. The competitions were held online, and participants from across the state showcased their creativity and knowledge on the given sub-themes. Both the competitions received an overwhelming response with 54 entries received under the essay writing competition and 59 entries in the poster making competition. On **September 16, 2025** an informative and eye-opening documentary on the topic **'Save Ozone, Save Earth'** was screened for the students, to further inculcate eco-consciousness in them.

Result of State Level Online Essay Writing Competition:

1st Position: Ms. Medhavi Sharma, B.Sc. III (Roll no. 2334032), Guru Nanak Khalsa College, Yamunanagar

2nd Position: Ms. Deepika, B.A. III (Roll no. 136), Govt. Girls College, Sector-52, Gurugram

3rd Position: Ms. Priyanka Saini, B.Sc. II Life Sci. SFS (Roll no. 1242547045), Kumari Vidyavati Anand DAV College for Women, Karnal

Consolation: Ms. Yajeswani, B.Sc. III (Roll no. 1230835286), Pt. Chiranji Lal Govt. PG College, Karnal

Result of State Level Online Poster Making Competition:

1st Position: Ms. Kaffi, B.Sc. II (Roll no. 1242842021), Rajiv Gandhi Govt. College for Women, Bhiwani

2nd Position: Ms. Sajal, B.A. I (Roll no. 1251349132), Indira Gandhi Mahila Mahavidyalaya, Kaithal

3rd Position: Ms. Akshita, B.Sc. II Life Sci. SFS (Roll no. 1242547018), Kumari Vidyavati Anand DAV College for Women, Karnal

Consolation: Ms. Priyanka, B.A. III (Roll no. 1231174328), D. A.V. Centenary College, Faridabad

- **District Level Science Essay Writing Competition (2025-26)**: organized by **Dyal Singh College, Karnal** under the aegis of **Haryana State Council for Science, Innovation and Technology** on **September 20, 2025.** Two of our students Ms. Bishakha and Ms. Yashika of B.Sc. III Life Science, Aided & SFS, respectively, participated in the above competition. Topics chosen by them from the amongst the given topics were 'Rise of Atamnirbhar Innovation in National Security' and 'Role of Digital Technology in Nation's Growth', respectively.
- **National Wildlife Week (October 02-08, 2025):** was observed by Department of Botany and Zoology of our college**,** by organizing **State Level Online Caption Contest** and an **Extension Lecture on Wildlife Conservation** by **Sh. Pawan Sharma, District Forest Officer, Karnal**. The lecture was organized on **October 03, 2025**. Sh. Pawan Sharma was also accompanied by Dr. Balram Sharma, Head, Department of Political Science, DAV P.G. College, Karnal. Sh. Pawan Kumar delivered a very informative talk on wildlife conservation and shared his insightful knowledge with the

students, where he stressed upon the fact that natural resources belong not only to the humans but to every organism of this planet. He also discussed about the impact of deforestation and natural calamities on species extinction. Besides, he also highlighted the initiatives taken by government to reverse the wildlife damage caused by anthropogenic factors. In the end, he encouraged students to contribute to the conservation efforts and consider forest services as a career option. Topic chosen for the above said competition was **'Reversing the Damage: Steps towards Wildlife Conservation'.**

Total 51 entries were received during this competition from across the state of Haryana. Result of this competition was as follows:

1st Position: Ms. Richa Singh of B.Sc. Life Sciences (Roll no. 251161), Institute of Integrated and Honors Studies, Kurukshetra University, Kurukshetra

2nd Position: Ms. Payal Choudhary of B.Sc. I Life Sciences (Roll no. 1252547012), Kumari Vidyavati Anand D. A. V. College for Women, Karnal

3rd Position: Ms. Ritika Chandila of B.Sc. II Life Sciences (Roll no. 1242858021), K. L. Mehta Dayanand College for Women, Faridabad

- **Video Making and Poster Making/Slogan Writing Competitions**: were organized Swachh Haryana Mission Committee of our college in the month of September. Our student **Ms. Sakshi** of B.Sc. I Life Sciences bagged first prize in this Swachhta Awareness Video Making Competition. Two students of the same class, **Ms. Payal Choudhary** and **Ms. Tanushree Chaudhary** won first prize in the Poster Making/

Slogan Writing Competition. **Ms. Akshita** and **Ms. Sanjam** of B.Sc. II Life Sciences bagged second and third prize, respectively in the above-mentioned Poster Making/ Slogan Writing Competition.

- **An Exposure Visit to Centre for Excellence of Vegetables (CEV), Gharaunda:** was organized for students of B.Sc. II Life Science (Aided and SFS) by department of Botany on **November 06, 2025**. This visit was organized to give them an exposure of some advanced agricultural techniques used there, especially to the Life Science (SFS) students as a part of curriculum under Olericulture, a skill enhancement course (SEC). During this visit, a general orientation and demonstration of the Centre was done by **Mr. Aniket Antil** (Field Man, CEV). He showed them different sections of the Centre *viz.* Natural farming and Organic farming areas. Students visited their fields along with him and observed several vegetable crops growing there along with an exposure of their organic manure preparation unit. Later, **Dr. Gurdev**, Horticulture Development Officer, CEV (Block Level) interacted with the students and enlightened them about Hi-Tech nursery, automated drip irrigation system, soil-less media and their benefits for the farmers. After this, **Dr. Lavlesh** (Incharge, Protected Cultivation at CEV) threw light upon Mulching, Hydroponics and also demonstrated about Low Tunnels, Net House, Anti-insect Nets, Naturally Ventilated Polyhouse and Walk-in Tunnels located there. He also discussed about various centre mandates and agricultural techniques like weather monitoring, water filtration and irrigation system with our students. The visit offered valuable insights into cutting-edge agricultural practices, making it an enriching experience for the students.

- **DGHE Sponsored District Level Science Exhibition:** Botany Model on topic **'Bio-Concrete Revolution: Healing Cement with a Pinch of Life'** was presented by two of our students Ms. Alankrita (Roll no. 1230526005) and Ms. Bishakha (Roll no. 1230526006) of B.Sc. III Life Sciences (Aided) in this exhibition held at Pt. Chiranji Lal Sharma Government College, Karnal on **January 31, 2026**. Our model bagged **I prize** during this exhibition and got selected for further state level competition of this grand annual event, to be held at Pt. Neki Ram Sharma Government College, Rohtak on **February 12, 2026**. Our students also participated in the above said State Level Competition.

Our students displaying their model at State Level Science Exhibition at Pt. Neki Ram Sharma Government College, Rohtak

- **Industrial Visit to Cooperative Sugar Mill, Karnal:** The Department of Botany and Chemistry organized an industrial visit to the Cooperative Sugar Mill, Karnal, on **February 26, 2026**, for B.Sc. I Life Sciences (SFS) students. The visit specifically aimed to give them a practical exposure of the 'Food waste and By-product Utilization' which they study as a skill enhancement course in the department of Botany. At first, students gained insight into the sugar production process. Under the guidance of **Sh. Nirmaljeet**, Lab Incharge, Sugar Mill, the students embarked on a comprehensive tour of the mill's various sections, where they learned about the intricate steps involved in sugar production. They got a deep insight about the fermentation process associated with sugar industries. The by-product, molasses obtained after sugar crystallization is used for fermentation. In this process, yeast (Saccharomyces cerevisiae) converts sugars present in molasses into ethanol and carbon dioxide under anaerobic conditions. Further, they were also briefed about the electricity generation process utilizing bagasse, it's another by-product and the mill's pollution control measures by **Sh. Vikas**

Dabra, Cogeneration Manager, Sugar Mill. The students were also accompanied by a security personnel, who ensured their safety while navigating the mill's heavy machinery. **Sh. Sandeep Sharma**, Deputy Chief Chemist, Sugar Mill also interacted with the students and explained them about the overall 24-hour working of the mill and the importance of maintaining optimal temperature and pH during the whole process. Later, **Sh. Nirmaljeet**, also elaborated on the testing procedures employed by them, for quality control of sugarcane and the utilization of press mud, a solid waste generated during sugarcane juice clarification, as a valuable feedstock for Bio-CNG and Bio-ethanol production offering a renewable, cost-effective waste-to-energy solution. It demonstrated the practical applications of biochemical reactions and industrial microbiology. The whole process not only helps to reduce environmental pollution but also creates additional revenue for the sugar industry.

- **National Science Day, 2026:** was enthusiastically celebrated by various Science Departments of our College on **February 27 & 28, 2026**.

  Two different activities were organized with the aim of promoting scientific awareness in our budding scientists.

  A science exhibition was organized, where students from various departments showcased their models and students from varied streams interacted with the presenters to gain insights into recent advancements in the field of science. Principal Mrs. Meenu Sharma then addressed the students on the theme of National Science Day 2026, **'Women in Science: Catalysing Viksit Bharat'.** The principal then awarded tokens of appreciation to the participants of this college level science exhibition. A documentary on the inspiring life of Sunita Williams, a highly distinguished American astronaut and naval officer known for being courageous, dedicated and pioneering, along with one of her latest interviews were also screened. Additionally, students were informed about various internship opportunities under NEP-2020, enabling them to receive better guidance for their careers in science and technology.

The event was attended by Principal Mrs. Meenu Sharma, Vice Principal and Program Convener Dr. Manju Singh, Organizing Committee members Dr. Kanwaljeet Virdi, Dr. Shweta Dhawan, Dr. Sakshi Aneja, Dr. Nadia Chowhan and all faculty members of the Science Departments.

- **Development of the College Botanical Garden:** During this academic session, the Botanical Garden of the college was successfully developed as a key initiative of the Department of Botany and Eco Club. This long-conceived dream was realized due to

the visionary leadership and consistent support of our respected Principal madam Mrs. Meenu Sharma, who acknowledged its vital role in practical learning and academic enrichment. The garden was conceived as a living laboratory to promote environmental awareness and hands-on learning among students. Garden layout was prepared by Dr. Pahup Singh, Retd. Horticulture Officer, Horticulture Training Institute (HTI), Uchani, Karnal, Dr. Ritu Sharma, Operations Head, Centre of Excellence for Horticulture Skills in India (CEHSI), Karnal and Dr. Nirmalkant Sharma, Director, Pathik AgriHorti Solutions, Karnal. Thoughtful additions of plant species were made at regular intervals throughout the session to ensure representation of diverse botanical categories, including medicinal plants, ornamental flora, fruit-bearing trees, succulents, and native species. This curated collection not only enhances the green cover of the campus but also serves as an educational resource for understanding plant taxonomy, ecological balance, and the importance of biodiversity conservation. The college and department of Botany are also deeply grateful to Dr. Nutan Narang, Retired Associate Professor, Department of Botany of our college for her invaluable guidance and generous contribution of some plant species from her personal collection of plants. Her dedication and love for the subject continue to inspire us and have significantly enriched us through her mentorship. The ongoing development of the garden reflects the Department's and Eco Club's commitment to fostering a deeper connection with nature within the college staff and students.

Sector 22, Karnal, 132001, Haryana, India
Lat 29.688479, Long 76.983679
12/18/2024 03:41 PM GMT+05:30
Note : Captured by GPS Map Camera

PARTMENT OF BOTANY
ECO CLUB

Timber Market, Sector 22, Karnal, 132001,
Haryana, India
Latitude
29.688601
Longitude
76.983807

Ocimum
gratissimum
(Lawng tulsi)
Lamiaceae

Ocimum
(Rapan tulsi)
Lamiaceae

Pimenta dioica.
(All Spice)
Myrtaceae

A Few Glimpses of the Botanical Garden under Development