

Botany Department Activities (2022-2023)

- **International Day of Clean Air for Blue Skies:** The day, **September 07, 2022** was observed by Department of Botany and Eco-Club with a special campaign “**Trees for Future: Building a Better World Together**”. Under this campaign, many of our students voluntarily planted saplings of some indigenous trees in their nearby areas.



- **Poster Designing Contest:** was organized by Department of Botany and Geography of our college to observe **Wild Life Week, 2022 i.e. October 02-08, 2022** (Theme- Recovering Key Species for Ecosystem Restoration). Topic given for poster designing was ‘**Reconnect with Nature and Restore Ecosystems**’, especially featuring some endangered species of flora and fauna.



Result of the above competition was as follows:

1st Position: Ms. Taruna of B.A. I and Ms. Rashmi of B.Sc. III Medical

2nd Position: Ms. Cheshta of M. Sc. Geography Final and Ms. C. Lisha of B.Sc. I Medical

3rd Position: Ms. Anu B.Sc. II Medical and Ms. Meghna B.Sc. II Biotechnology

Five Consolation Prizes:

Ms. Dimpal of B.Sc. I Medical

Ms. Kirti of B.A. III

Ms. Sarika of B. Sc. III Medical

Ms. Sumedha of B.Sc. I Medical

Ms. Anjali of B.Sc. I Medical

- **National Level Online Poster Designing competition:** was organized by Department of Botany and Geography of our college during **October, 2022** on topic '**Ecosystem Restoration via Conservation of Endangered Species**'.

Result of the above competition was as follows:

1st Position: Ms. Taruna of B.A. I, KVA DAV College for Women, Karnal and Ms. Divya Mittal of DAV College, Sector-10, Chandigarh

2nd Position: Ms. Antim of B.Com. II, Govt. PG College for Women, Sector-14, Panchkula and Ms. Rashmi of B.Sc. III Medical, KVA DAV College for Women, Karnal

3rd Position: Ms. Amrita, B.A. III, Govt. College for Women, Madlauda

- **District Level Science Quiz Competition:** Ms. Sarika, Ms. Amandeep Kaur and Ms. Rashmi of B.Sc. III Medical participated in this contest organized by Pt. Chiranji Lal Sharma Govt. College, Karnal on **October 12, 2022**.
- One Day Workshop on "**Insights into Recent Advances in Crop Research**" conducted by **Department of Botany in** collaboration with ICAR- Indian Institute of Wheat and Barley Research (IIWBR), Karnal on **November 02, 2022**. Students of B.Sc. III Medical along with Botany staff members, visited this prestigious institute. Dr. Omvir Singh, Director, IIWBR welcomed the students and encouraged them to pursue careers in Crop Research. Dr. Ratan Tiwari, Principal Scientist (Plant Biotechnology) along with Dr. Anuj Kumar, Principal Scientist (Agricultural Extension) put forth their best efforts in providing an exposure of vast kind of research that's going on in this arena, to our students! Students visited their laboratories as well as field areas and had a great learning experience. Dr. Mamrutha H.M., Senior Scientist (Plant Physiology) enlightened the students about various recent trends in Crop Research like Phenomics, Genomics, Use of Artificial Intelligence in Agriculture, Biofortification, Transgenic crops, Genome editing, etc. Overall, it was a great learning experience for all.





- **Extension lecture** organized by Department of Botany on **November 03, 2022**. A research-oriented talk based upon the challenges faced by the esteemed resource person **Dr. Ratan Tiwari, Principal Scientist, IIWBR** during his long career of more than 25 years in the Crop improvement area and how he addressed those issues, was delivered by him at our college. Title of his talk was "Scientific Journey- Lessons Learnt". He shared his deep knowledge and research experiences with the students. He was accompanied by Dr. Anuj Kumar (and three of his Post-Doctorate and Ph.D. students, Ms. Richa, Ms. Sabhyata and Ms. Neha, who also shared their views on various career options and hands-on training courses in this field. Dr. Nadia Chowhan, HOD, Department of Botany extended a formal vote of thanks to the resource persons.



- **‘Invent-O-Brain’- National Level Online Competition** organized by Departments of sciences under the aegis of IQAC, KVA DAV College for Women, Karnal during the month of **November, 2022**. Department of Botany organized a Power Point Presentation Competition during this event. Topic for the same was **‘Soil Pollution and Remediation Strategies’**. Result of this competition was as follows:
 - 1st Position:** Ms. Sarika Rana of B.Sc. III Medical, KVADAV College for Women, Karnal
 - 2nd Position:** Mr. Yuvraj of B.Ed. II, CR College of Education, Hisar
 - 3rd Position:** Ms. Amandeep of B.Sc. III Medical, KVADAV College for Women, Karnal and Ms. Alpana of B.Ed. I, Dr. Ganesh Dass DAV College of Education for Women, Karnal
- **DGHE Sponsored District Level Science Exhibition:** Botany Model on topic **‘Future ReGen Village’** was presented by two of our students Ms. Sarika and Ms. Anshika of B.Sc. III Medical and Biotechnology, respectively in this exhibition held at Government College for Women, Gharaunda, Karnal on **December 02, 2022**. Our model bagged **II prize** during this event.



- **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 **February 14, 2023**. Students studied about sugar production process, electricity generation through bagasse and pollution control measures adopted by the Mill. Sh. Bhajan Lal (Deputy Chief Engineer, Sugar Mill), Arun Saxena (Production Engineer, Sugar Mill) and Vikas Sangwan (Security Head, Sugar Mill), explained about the whole process to our students there.



- **An Exposure Visit to Centre for Excellence of Vegetables (CEV), Gharaunda:** was organized for students of B.Sc. II (Medical and Biotechnology) by department of Botany on **February 15, 2022**. During this visit, general orientation of students was done by Dr. Pramod, Subject Matter Specialist, CEV. He discussed about various CEV mandates, advanced agricultural techniques *viz.* vertical farming, organic farming, drip irrigation system, soil-less media and their benefits for farmers with them. He also motivated them to pursue careers in this field. Dr. Pramod also demonstrated them about HiTech Nursery at the centre. He interacted with the students and enlightened them about Mulching, Low Tunnels, Anti-insect Nets, Walk-in Tunnels, and Naturally Ventilated Polyhouse. Dr. Deepak showed them automated drip irrigation system and guided them about organic manure preparation and organic farming. Our students also collected weeds for herbarium preparation from CEV premises.





- **Three-Day Interdisciplinary Training Workshop on Mushroom Cultivation** was organized for our college students by the department of Botany in collaboration with **Horticulture Training Institute (HTI), Uchani, Karnal** on **March 21-23, 2023**. Total 25 students of our college from different streams attended this workshop along with Botany staff members. On first day of this three day training, our students visited the esteemed institute. **Dr. Joginder, Joint Director Horticulture cum Principal, HTI** inaugurated the session. He addressed the participants and motivated them to explore new career options in the field of Horticulture. He emphasized that skill based knowledge can help them in increasing livelihood as a reliable source of income. Later **Dr. O.P. Ahlawat, Principal Scientist, ICAR-IIWBR, Karnal** delivered enlightening talks on ‘Introduction and Scope of Mushroom Cultivation in Haryana’ and ‘Nutritional and Medicinal Value of Mushroom’. During evening session, **Dr. R. S. Taya, SES (Plant Pathology) Retd., KVK, Damla, Yamunanagar** delivered very informative talks on

'Preparation of Compost by Short and Long Method' and 'Spawn, Spawning and Different Strains' in Mushroom production Technology. During second day, participants visited **Regional Mushroom Research Centre, Murthal, Sonapat (MHU, Karnal)** for the practical exposure of Mushroom production process and their post-harvest management, from entrepreneurship view point. During evening session of day 2 at HTI, **Dr. R. S. Taya** threw light upon **'Preparation of Casing material and Casing Process'** along with **'Picking and Packing of Mushroom'**. He also shared his personal experiences and several issues practically faced during mushroom cultivation. On third day of this training, Dr. R. S. Taya delivered his talk on **'Production Technology of Oyster Mushroom'** and **'Production Technology of Shittake Mushroom'**. Evening session was concluded by a very informative talk by Dr. R. S. Taya on **'Abiotic and Biotic Factors Affecting Mushroom Cultivation and their Management'** followed by the Valedictory function. College principal respected **Dr. Meenu Sharma** congratulated the participants upon successful completion of the training workshop.







