

Educational Visit to ICAR–Directorate of Mushroom Research (DMR)

Department of Agriculture

Sri Guru Teg Bahadur Khalsa College, Sri Anandpur Sahib

The Department of Agriculture, Sri Guru Teg Bahadur Khalsa College, Sri Anandpur Sahib, organized an educational visit under the DBT STAR Status scheme to the ICAR–Directorate of Mushroom Research (DMR), Solan, Himachal Pradesh, on 24 December 2025.

During the visit, the students were welcomed by the scientists and staff of the institute. They explained the importance of mushrooms as a nutritious food source and a profitable enterprise for farmers and entrepreneurs. The experts also discussed different varieties of edible mushrooms such as button mushroom, oyster mushroom, and shiitake mushroom.

The students were taken to different sections of the institute including laboratories, spawn production units, mushroom cultivation rooms, and training facilities. The scientists demonstrated the process of mushroom spawn preparation, compost preparation, spawning, and harvesting. They also explained the importance of maintaining proper temperature, humidity, and hygiene during mushroom cultivation.

The aim of the visit was to provide students with practical exposure to scientific mushroom cultivation, research methodologies, and modern technologies being developed at DMR, thereby bridging the gap between theoretical knowledge and practical applications in agriculture. There were different units of button mushroom, oyster mushroom, gyno derma and shitake mushroom. Students gained knowledge about substrate, preparation of medium and spawn, sterilization, multiplication and other practices performed in mushroom cultivation as well as their nutritional and medicinal properties.

The students also learned about various research activities conducted at the institute, such as developing improved mushroom varieties, disease management, and post-harvest processing techniques. The visit helped students understand how scientific research contributes to improving mushroom production and promoting sustainable agriculture. The visit was coordinated by Prof. Gurpreet Singh and Prof. Sanampreet under the supervision of Prof. Bhawna Thakur (Head of the Department).

No. of students participated: 30



Students of Agriculture Department, SGTB Khalsa College, during an educational visit