

## **Report on visit to GKVK, Bangalore**

As a part of institutional visit, students of both first and second year M.Sc Microbiology visited GKVK, Bangalore on 30<sup>th</sup> July 2024.

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### **Objectives of the Visit:**

1. To enhance practical knowledge of microbiological applications in agriculture.
2. To observe research activities and innovations in microbiology.
3. To interact with experts and gain insights into ongoing projects.

The students visited department of Soil Science and Agriculture Chemistry where they got exposure to understand the role of different types of soils kept in a museum of pedology. Students were also shown Atomic Absorption Spectrometer (AAS) and other soil testing related instruments in lab. The visit to Soil Science department enriched students' understanding of the vital link between soil health and microbial activity in agriculture. The students could get an insight into the role of soil microbiology in enhancing soil fertility and crop productivity, further gaining knowledge on techniques used for soil improvement and sustainability.

Department of Entomology had a museum with all life cycle of various preserved insects that were beautifully displayed and the beneficial role of insects in agriculture were also well explained by the scientist of the department. Entamology department helped the students to understand the relationship between entomology and microbiology in pest management. They were also able to observe research initiatives related to beneficial insects and microbial interactions. They also interacted with entomologists and gained insights into current research trends.

Visit to department of sericulture was very enlightening with display of different types of silk worms, where students learnt about mulberry cultivation, life cycle of silk worms, types of silk like Muga silk, Eri silk and Mulberry silk. Various handicraft materials were displayed in sericulture museum. Students were excited to learn silkworm rearing techniques, nutrition, disease management, care required for successful silk production and the significance of sericulture in agriculture and economy.

Visit to department of microbiology gave insight about various ongoing research in the department. Also students visited biofertilizer unit where students gained knowledge on different types of bioinoculants, their production and application. The cultivation of azolla motivated students to enter into entrepreneurship. A visit to department of mycology helped the students in learning about various steps involved in mushroom cultivation. The final visit to GKVK museum gave the complete idea about the institution.

### **Conclusion:**

The visit to GKVK provided valuable learning experiences for the M.Sc. Microbiology students. It fostered a deeper understanding of the role of microbiology in agriculture and enhanced their practical skills. The interaction with faculty and researchers inspired many students to consider careers in agricultural microbiology.

### **Few glimpse of visit**





