

Report : Internship on "Synthesis of Nanomaterials for Pest Management"



Internship Details:

A group of Eleven B.Sc. (Hons) Agriculture students from SKUAST-J embarked on an enriching four-month internship from February 1st, 2023, to May 31st, 2023. They were engaged in the research project titled "Synthesis of Nanomaterials as a Sensor for Pest Management" at NBAIR under the guidance of Dr. Deepa Bhagat, Principal Scientist of the Organic Chemistry Division, serving as the Programme Coordinator and Mentor.

Learning Focus:

During their tenure, the students delved into an array of advanced technologies and methodologies, acquiring hands-on experience and knowledge in the following areas:

Scanning Electron Microscope

Transmission Electron Microscope

Stereozoom Microscope

Gas Chromatography Mass Spectrometry

Particle Size Analyzer

Rearing techniques of insect cultures including *Chrysoperla Zastrowi* Silemi, *Trichogramma Chilonis* Ishii, and *Trichogramma Japonicum* Ashmead.

List of Participating Students:

Sl. No. Name ID No.

1. Riya Kasotra J-19-Agri-1076
2. Aamina Manzoor J-19-Agri-1058

3. Akanksha Majajan J-19-Agri-1054
4. Gourav Sabharwal J-19-Agri-1057
5. Yashvi Nayyar J-19-Agri-1077
6. Manav Pandotra J-19-Agri-1060
7. Kumkum Bharti J-19-Agri-1074
8. Komal Devi J-19-Agri-1055
9. Riya Sharma J-19-Agri-1062
10. Paras Bala J-19-Agri-1080
11. Shubham Sharma J-19-Agri-1053

This intensive internship equipped these individuals with a comprehensive understanding of advanced scientific instruments and innovative pest management techniques, enhancing their skill set and knowledge base in the field of agriculture.