

## Bio-Control Laboratory

Biological control is one of the integral components of the Integrated Pest Management which involves the use of any living organism and its by product to contain other living organism which is a pest. Biological control agents are the natural efficient strains of any microorganisms or natural enemies (predators and parasitoids) that reduce the population/incidence or severity of insect pests/diseases. Realising the importance of bio control agents, the Bio-Control Laboratory was established under the Mission for Integrated Development of Horticulture (MIDH) project with the cost of Rs.90.00 lakh. The laboratory was inaugurated by the Worthy Vice Chancellor on 5, December, 2022. The laboratory facilities will be used for course practical and research by students and researchers. The Bio-Control Laboratory will primarily work on:

1. Collection, identification and evaluation of native biocontrol agents against major insect pest and diseases of Horticultural crops of Haryana
2. Mass multiplication of suitable bio-agents in the laboratory

<b>Principle Investigator of the project:</b> Dr. Ramesh Kumar Goyal Director Research, MHU, Karnal Mob. No. : 9416397529 Email : dr@mhu.ac.in
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## Quality Control Laboratory

Laboratory is established in Research farm, Anjanthali, under MIDH project with the cost of Rs. 200.00 lakh. Quality Control Laboratory will determine nutritional and biochemical quality attributes of horticultural produce. Laboratory is equipped with modern facilities like Gas Chromatography with Mass Spectrometry (GCMSMS). The Quality Control Laboratory, Anjanthali will primarily work on the following aspects:

1. To determine pesticides residue level in fruits and vegetables.
2. To analyse the quality parameters i.e. physio-chemical, biochemical, etc. of the fruits and vegetables.

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## Seed Infrastructure Laboratory

The seed infrastructure laboratory has been established under MIDH project with the estimated cost of Rs.200.00 lakhs. The inauguration of seed infrastructure laboratory building was done on 05.12.2022 by the Vice Chancellor, MHU. The lab will be used for grading and sorting of seeds of vegetables, flower, etc. The laboratory facilities will be used for course practical and research by students and researchers.

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## Plant Tissue Culture Laboratory

The plant tissue culture laboratory was established under MIDH project with the cost of Rs.250 lakhs. The inauguration of Lab building was done on 05.12.2022 by the worthy Vice Chancellor, MHU. The objective of the lab is to mass multiply morphologically similar disease-free horticultural plants. The laboratory facilities will be used for course practical and research by students and researchers.

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