

## **A Report on Organic Farming and Waste Management**

**TITLE:** Organic Farming and Waste Management  
**DURATION:** 28<sup>th</sup> March 2023  
**PLACE:** Indian Institute of Horticulture Research (IIHR)  
**ORGANIZER:** SCR, Acharya Institute of Technology

### **Introduction**

The dept. of Mechatronics has organized a visit to Indian Institute of Horticulture Research (IIHR) on 28<sup>th</sup> March 2023 for IV semester students to make them to understand the importance of organic farming and waste management.

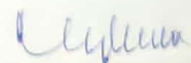
Organic farming is a type of agriculture based on using natural and sustainable practices to grow crops and raise animals without synthetic fertilizers, pesticides, genetically modified organisms (GMOs), or other chemicals. Organic farming relies on a holistic approach to managing soil health, using crop rotation, composting, and natural pest control methods to maintain healthy ecosystems.

Waste management refers to collecting, transporting, processing, disposing, and monitoring waste materials. The goal of waste management is to minimize the impact of waste on the environment, human health, and the economy.

### **Indian Institute of Horticulture Research (IIHR)**

ICAR stands for Indian Council of Agricultural Research. It is an autonomous organization under the Department of Agricultural Research and Education (DARE), Ministry of Agriculture and Farmers Welfare, Government of India.

The primary objective of ICAR is to coordinate, guide, and manage research and education in agriculture in India. In Bengaluru, Indian Institute of Horticulture Research (IIHR) many farmer friendly facilities with research made available to public, this helps to learn and know more on the horticulture field.



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ICAR promotes organic farming and waste management practices as part of its efforts to promote sustainable agriculture in India.

Organic farming is a method of agriculture that relies on natural inputs like compost, crop residues, and biological pest control instead of synthetic chemicals. ICAR has established a National Centre for Organic Farming (NCOF) to provide research, training, and certification services for organic farming in the country. The center also conducts research on organic inputs, crop rotations, and soil health management to promote sustainable farming practices.

ICAR also encourages waste management practices in agriculture to reduce the environmental impact of farming activities. It promotes the use of vermicomposting, anaerobic digestion, and other methods to convert agricultural waste into valuable products like biofertilizers and biogas. The organization has established a National Institute of Agricultural Extension Management (MANAGE) to provide training and capacity building for farmers and extension workers on waste management practices.



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