

**Y.A. GOVERNMENT COLLEGE FOR WOMEN
CHIRALA**



Additional Information

**7.1.3 - FACILITIES IN THE INSTITUTION FOR THE
MANAGEMENT OF DEGRADABLE AND NON-
DEGRADABLE WASTE**

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Waste Management

Solid Waste Management

Date: December 21, 2024

Aim: To promote sustainable waste management practices and provide hands-on experience to students in composting organic waste for environmental and agricultural benefits.

Objectives

1. To engage students in practical waste management activities.
2. To create awareness about the importance of composting and recycling organic waste.
3. To develop skills in preparing and managing composting beds.
4. To produce nutrient-rich compost for use in college gardening and landscaping.
5. To encourage eco-friendly practices that contribute to environmental conservation.

Description:

The Department of Zoology actively participates in waste management practices. In this initiative, students from the I, II, and III years of the department are involved in collecting various types of waste, such as dry and wet leaves, waste paper, dry stems, and cattle dung. These materials are then arranged into beds under the waste management shed.

The process begins with moistening and mixing the waste regularly for three consecutive days. Afterwards, earthworms are introduced into the prepared beds. The worms consume the organic matter and produce compost. Depending on the density of the waste, the composting process is completed within one to two months.

The compost produced is then utilized by students to enrich the soil of the college gardens, contributing to the growth and maintenance of the plants.

Outcomes

1. Students gain practical knowledge and experience in waste management and composting.
2. Improved awareness of the benefits of recycling organic waste.
3. Production of high-quality compost to enhance soil fertility and support sustainable gardening.
4. Reduction of organic waste through eco-friendly methods.
5. Contribution to a greener and more sustainable campus environment.

Problems Encountered and Resources Required

- Students faced challenges during the isolation and packing of compost because of broken glass particles present in the material. To address this, a sieve is a crucial resource for ensuring safe and efficient processing.

