



University : Uzbekistan State World Languages University (UzSWLU)

Country : Republic of Uzbekistan

Web Address: <https://www.uzswlu.uz/en>

### [3] Waste (WS)

Organic Waste Treatment is the process of processing organic waste for recycling or recycling. Organic waste includes food waste, garden waste, and other materials that can decompose naturally.

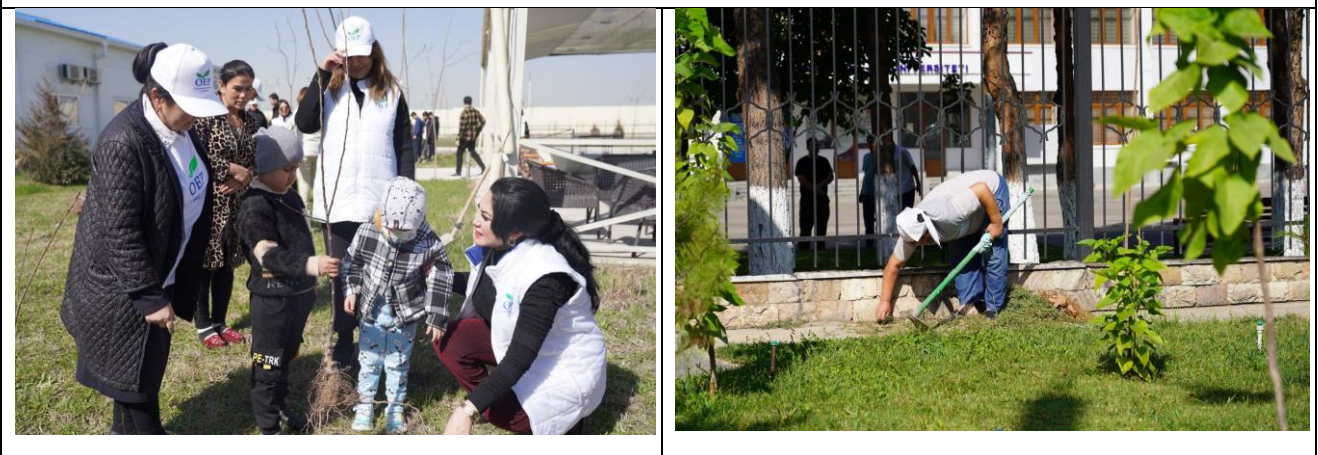
The treatment of organic waste may include composting, anaerobic digestion, heat treatment, and other methods. Composting is a natural process of decomposition of organic materials by microorganisms under controlled conditions. Anaerobic digestion is a biological process in which microorganisms destroy organic substances without oxygen. Heat treatment involves burning waste to generate energy or gasifying it to produce fuel.

The purpose of organic waste treatment is to reduce the amount of waste sent to landfills and reduce the negative impact on the environment. Processing can also lead to the creation of new products such as compost or biogas that can be used in agriculture or energy.

### [3.3] Organic Waste Treatment



Organic Waste Treatment (UzSWLU)



#### **Description:**

The success of universities in the field of organic waste recycling may include the development of new technologies, research, and training of specialists. Here are some examples of the university's achievements in this field:

-Development of new composting methods that accelerate the decomposition of organic substances and improve the quality of compost.



- Creation of bioreactors for anaerobic digestion, which ensures more efficient production of biogas.
- Study of the possibilities of using biomass for the production of various types of biofuels, such as biodiesel, bioethanol, and biogas.
- Training of specialists in the field of waste management and processing of organic materials.
- Researching to assess the impact of various recycling methods on the environment.
- Cooperation with industrial enterprises for the introduction of new technologies for the processing of organic waste in practice.
- Participation in international projects for the exchange of experience and knowledge in the field of waste recycling.
- Organization of conferences, seminars, and workshops on organic waste recycling to raise awareness among the public and specialists.
- Development of educational programs and courses on waste management and recycling of organic materials for students and professionals.

**Additional evidence link (i.e., for videos, more images, or other files that are not included in this file):**

<https://www.uzswlu.uz/en#>

[https://www.instagram.com/uzswlu\\_official](https://www.instagram.com/uzswlu_official)

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