

Abstract

Bio waste treatment can be done by composting or by digestion processes. Both ways of treatment have their advantages and disadvantages. The increase in energy efficiency of tunnel composting approached by a bio leaching system and bio gas production is one part of the EnBV research project.

The reduction of organic matter by bio leaching and the enrichment of carbons in the leachate water can be used for increasing the energy efficiency.

The energy efficiency can be increased by reduction of the energy consumption for the composting aeration system. As well the EnBV research project is trying to recover the potential for bio gas production from the bio waste before composting.

Bothe approaches will be test in a joint research project on an industrial scale composting plant.