

Composting - (1) Composting is the natural process of rotting or decomposition of organic matter by macro-organisms under controlled condition.

(2) Raw organic materials such as crop residue, animal waste, food garbage, some municipal waste and suitable industrial waste enhance their suitability for application to the soil as a fertilizing resources after having undergone composting.

(3) This decomposition can be affected either under aerobic condition, or under anaerobic condition or both.

(4) The final end product is manure called the compost or humus, which is in great demand in European countries as fertilizer for farms.

Thermal Conversion Technologies —

- ① Thermal processing of solid waste can be defined as the conversion of wastes into gaseous liquid and solid production with or without energy volatilization.
- ② Destruction of the organic components of waste, specially the dangerous one.
- ③ Reducing their volume.
- ④ Obtain solid and/or gaseous inert products.
- ⑤ Achieve a significant energetic volatilization.