



MANGALORE UNIVERSITY

DEPARTMENT OF BIOSCIENCES

M.Sc. ENVIRONMENTAL SCIENCE

ESP507 SOLID WASTE MANAGEMENT LAB

Course Outcomes:

CO1 Characterize solid waste from different sources.

CO2 Conduct the experiments using leachate prepared from solid waste.

CO3 Learn compost analysis.

CO4 Know the method of determination of chemicals in solid waste.

CO5 Learn solid waste management methods.

1. Characterization of solid waste from different sources.
2. Designing of secured/sanitary landfills.
3. Study of methods of management of biomedical waste.
4. Characterization of toxicity of hazardous waste from different sources by leaching test procedure.
5. Determination of organic carbon in compost.
6. Field trip to municipal solid waste/zero waste management sites/ Biomedical waste plant.
7. Determination of inorganic phosphate in leachate samples.
8. Determination of total nitrogen in leachate.
9. Determination of TSS/TDS in leachate samples.