MANGALORE UNIVERSITY

DEPARTMENT OF BIOSCIENCES

MSc BIOTECHNOLOGY

BTP 556: ENVIRONMENTAL BIOTECHNOLOGY

Course outcome

The student will

- Acquire skills and techniques used in waste management
- Learn mechanisms of waste treatment
- Become skilled in vermicomposting and mushroom cultivation
- Understand biogas production

Production of compost (methods)
Vermicompost and its analysis
Cultivation of mushrooms
Biogas (biofuels) production
Wastewater treatment methods
Solid waste treatment methods
Experiments on biofouling and biofilms
Experiments on industrial waste treatment methods (e.g. distillery, whey)