





Subject: PG Elective course for Environmental Science/biological science/chemistry/Agriculture

Course: Biomass characterization

Development Team

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Module Title 37. Biomass process optimization

Module ID: PO/BPOZ/37

Objectives: To study the optimization of various factors related to biomass conversion process for improving the product quality and product yield.

Key words: Biomass processing; Biomass conversion process; combustion; Gasification; pyrolysis; Fermentation.

Prerequisites: Biomass storage; Composition of biomass; Various biomass processing steps; Suitable condition for biomass processing.

Outcome: At the end of the module, learners understand about various factors such as the composition of biomass, temperature and pH inside the reaction chamber, moisture content in