

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

Course: Biomass characterization

Development Team

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Module Title :19. Ultimate analysis in prepared biomass

Id : BS/BSOD/19

Objectives: To study the principles and methods for analysing the ultimate compositions from the prepared biomass.

Prerequisites: Biomass biochemical constituents, Organic and inorganic constituent of biomass; Ash content of biomass.

Key words: Major elements; minor elements; elemental analysis; calorific value; angle of repose.

Outcome: At the end of this module learners get complete information about the various methods for analysing the ultimate compositions of prepared biomass. The ultimate composition of biomass includes organic compounds like carbon, hydrogen, oxygen and nitrogen and inorganic elements like Ca, Mg, K, P, S, Mn, Fe, Cl, Fe, Na, Si, Ti etc., present