

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

Course: Biomass characterization

Development Team

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Module Title : 7. Biomass properties

Id :BP/BMSCP/7

Pre-requisites: Biochemical constituents of plants; water, carbohydrates, protein, secondary metabolites.

OBJECTIVES: To study the various physical and chemical properties of biomass

KEYWORDS: Biomass properties, physical properties, chemical characteristics, biomass moisture, angle of repose, total soil content, carbohydrate, protein, volatile matter, lipid.

OUTCOME: At the end of this module one can get complete information about the properties of plant biomass like moisture content, total solid content, ash content, volatile matter, angle of repose, carbohydrates, protein, lipid, lignin, calorific value, fixed carbon content and micro and macro elements.

In this module, we will focus our discussion about the properties of plant biomass like Moisture content, total solid content, ash content, volatile matter, angle of repose, carbohydrates, protein, lipid, lignin, calorific value, fixed carbon content and micro and macro elements.