

Special Issue

Biorefining and Biological Properties of Natural Compounds from Agricultural and Forestry Waste Biomass

Message from the Guest Editors

Biorefining is the conversion of agricultural and forestry biomass into bioproducts, such as chemicals, fuels, animal feeds, nutraceuticals, and pharmaceuticals. The interest in biomass conversion continues to grow. Recent advances in biotechnology are offering new and interesting insights into the characterization and biological activity of bioactive compounds from waste biomass. Contributions to this Special Issue may cover all research aspects related to the biorefining and biological properties of natural compounds from agricultural and forestry waste biomass, including (but not limited to): (1) chemical composition of biomass with reference to extraction, purification, characterization and quantification of biological compounds; (2) biomass valorization using the biorefinery concept with reference to in vitro and in vivo biological properties; and (3) the elucidation of bioactive compounds action mechanisms.

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