



Agriculture Waste Biomass Production for Bioenergy and Bioproducts

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Message from the Guest Editor

Fossil fuel use releases air pollutants and greenhouse gases responsible for air pollution and global climate change. In addition, they have negatively impacted the environment and biological systems. To fight these consequences, intensive measures are being taken globally to switch from fossil fuels to renewable bioenergies. Agriculture waste biomass, such as residues from crop products, food processing, waste materials from livestock, and agroforestry wastes, has enormous potential to produce various bioenergies and bioproducts. Biologically and thermochemically, biomass waste can be converted into alternative energy like bioethanol, biodiesel, biohydrogen, biogas, syngas, bio-oil, biochar, and many other valuable bio-products and chemicals. Bioenergy production from agricultural waste biomass is an eco-friendly alternative to fossil fuels. It is also helpful in achieving UN Sustainable Development Goals (SDGs) focus on the concerted global effort to assure access to affordable, reliable, sustainable energy for all.





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