

Special Issue

Biomass Treatment and Pyrolysis Processes

Message from the Guest Editors

The treatment of biomass treatment and the pyrolysis process are important aspects in the context of waste management and energy production. Biomass is organic material that is produced by living organisms. Biomass treatment involves various methods to convert it into useful products, including energy, nutrients or raw materials. Basic biomass treatment methods include composting, fermentation, gasification and some modern technologies (hydrolysis, hydrothermal carbonization and biodiesel production, etc.).

Pyrolysis is a thermal process that aids the decomposition of organic matter in the absence of oxygen or at very low concentrations of oxygen. Pyrolysis is used to process different types of waste, including organic waste and plastic materials, and can be useful in the context of sustainable waste management and energy production. Understanding these processes is important to understanding how we can effectively manage resources and waste in our environment.

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