

Special Issue

Pyrolysis as a Tool to Produce Fuels and Chemicals

Message from the Guest Editors

In the current, fast development of technology to generate fuel and chemicals from no fossil sources, biomass emerges as a cheap, universal, and ecological solution to face energy and environmental demands. Among these technologies, the pyrolysis of biomass is expected to fill the requirements of efficient generation of energy and the manufacture of chemicals to replace those from oil and natural gas. The pyrolysis of forestry and agricultural residues, algae, energy crops, municipal wastes, food wastes, animal wastes, and others represents not only a route for producing energy and chemicals but also a solution for waste accumulation in the environment, contributing to the quality of life.

This Special Issue aims to collect the most recent advances both in the processes and in catalyst development for converting biomass to biofuels and chemicals via pyrolysis. Papers concerning the operational issues of pyrolysis, such as equipment, process variables, and catalyst development and bio-oil upgrading are welcome, but other issues of pyrolysis are not excluded.

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Deadline for manuscript submissions

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