

Special Issue

Biomass Pyrolysis Reactors

Message from the Guest Editors

This Special Issue is dedicated to the biomass energy, coming from materials such as organic waste. This renewable energy is obtained by pyrolysis, thermal decomposition occurring in the absence of oxygen, which allows the obtention of different proportions of products depending on the conditions.

Commercialization of the biomass pyrolysis technology is still challenging. In order to solve this issue, recent studies are focused on the mechanism of pyrolysis, influencing parameters, analysis of products, reactor design, development of new reactors, and catalysts for catalytic pyrolysis. In this Special Issue, we invite submissions studying recent advances in the field of biomass pyrolysis and reactors, including theoretical and experimental analyses, as well as comprehensive review papers. They will undoubtedly contribute to extend the knowledge and development of the process.

- biomass
- thermal degradation
- kinetic model
- pyrolysis products
- fast pyrolysis
- flash pyrolysis
- catalytic pyrolysis
- reactor design

Guest Editors

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Deadline for manuscript submissions

closed (28 April 2023)



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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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