

Special Issue

Advanced Biomass Pyrolysis Technologies and Applications

Message from the Guest Editors

Dear Researchers and Experts in biomass pyrolysis, We invite you to submit your original research and review articles to this Special Issue of *Applied Sciences*. This Special Issue focuses on advancements in both slow and fast pyrolysis, encompassing comprehensive analyses of the pyrolysis process, equipment, and pyrolysis products. Topics include but are not limited to:

Process Optimization: novel approaches to enhance slow and fast pyrolysis efficiency and product selectivity; process intensification. Product Characterization: in-depth analysis of pyrolysis products, including bio-oil, biochar, and pyrolysis gas. Applications of Pyrolysis Products: exploration of practical uses for bio-oil, biochar, and pyrolysis gas in various industries.

Technological Innovations: advances in process construction, reactor design, separation and gas cleaning methods, instrumentation, and strategies for controlling processes. New drying and preparation methods for biomass preparation prior to pyrolysis. Pyrolysis, Cogeneration, and the Polygeneration and Coproduction of Heat, Electricity, Char, and Other Products.

Guest Editors

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About the Journal

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.

Editor-in-Chief

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