

Special Issue

Recent Progress in Biomass Pyrolysis and High Value Utilization of Pyrolytic Carbon

Message from the Guest Editors

Biomass is one of the most widely available renewable energy carriers, and its use as a source of energy has been recognised as an environmentally advantageous and sustainable alternative. Not only may biomass and biomass-derived materials be utilised as a source of fuel, they can also be used to obtain additional valuable goods and by-products from the thermal conversion of biomass. However, replacing traditional fuel with biomass raises a slew of technological challenges. This Special Issue aims to present and disseminate the most recent advances and prospects related to the theory, experimentation, simulation and application of recent progress in biomass pyrolysis with a high-value utilization of pyrolytic carbon. Both research and review articles are welcome. As a result, we cordially invite you to contribute essays on a wide range of topics relating to this area. Papers should address either the theoretical or applied aspects of the topic.

- enhancement of biomass
- bioreducers
- biomaterials used in metallurgy and steel production
- alternative energy sources
- bio-coke
- bio-based products

Guest Editors

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Deadline for manuscript submissions

closed (20 May 2025)



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About the Journal

Message from the Editor-in-Chief

Energies is an international, open access journal in energy engineering and research. The journal publishes original papers, review articles, technical notes, and letters. Authors are encouraged to submit manuscripts which bridge the gaps between research, development and implementation. The journal provides a forum for information on research, innovation, and demonstration in the areas of energy conversion and conservation, the optimal use of energy resources, optimization of energy processes, mitigation of environmental pollutants, and sustainable energy systems.

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