

## Special Issue

# Biochar and Solid Biofuel Technologies in Integrated Energy, Carbon Management and Sustainable Agricultural Systems

### Message from the Guest Editors

In this Special Issue, authors are invited to submit original research articles and review papers addressing advanced technologies, integration of energy and agricultural systems, life cycle assessment (LCA), emission reduction strategies, and applications of biochar and solid biofuels in energy systems, agro-environmental management, and innovative biomass production methods. Particular attention will also be given to emerging thermochemical biomass conversion pathways, including hydrothermal carbonization and torrefaction, as well as the integration of biochar production with anaerobic digestion and waste management systems. This Special Issue aims to provide an interdisciplinary platform for knowledge exchange, promoting innovative bioenergy and agro-environmental solutions that support the global transition toward low-carbon and climate-resilient systems. Contributions addressing techno-economic analysis, system integration approaches, and the role of biochar in carbon sequestration strategies, including emerging carbon markets as well as biochar standards and certification frameworks, are also highly encouraged.

### Guest Editors

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### Deadline for manuscript submissions

15 September 2026



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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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### Editor-in-Chief

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