

## Special Issue

# Advances in Bioenergy Technologies

### Message from the Guest Editor

Bioenergy is emerging as a central pillar of the global shift toward sustainable and low-carbon energy systems, with recent progress in the field having been driven by advances in feedstock diversification. These developments have strengthened the environmental performance, scalability, and overall efficiency of modern bioenergy systems. The aim of this Special Issue is to highlight recent breakthroughs, emerging research directions, and practical implementations that are shaping the next generation of bioenergy systems. We invite contributions covering novel feedstocks, innovative conversion technologies, integrated biorefinery concepts, biogas and biomethane applications, advanced biofuels, catalytic and material advances, sustainability and lifecycle assessments, and policy frameworks supporting large-scale deployment. By bringing together work from academia, industry, and research organizations, this Special Issue seeks to provide a comprehensive and forward-looking perspective on how bioenergy can contribute to global decarbonization goals and a resilient clean energy future.

### Guest Editor

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### Deadline for manuscript submissions

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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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