

## Special Issue

# New Insights into Integration of Biofuels for Power Generation

### Message from the Guest Editors

This Special Issue aims to present and disseminate the latest research and technological advancements in the production, conversion, and application of biofuels and biomass. Topics of interest for publication include, but are not limited to, the following:

- Production and utilization of biofuels;
- Advanced anaerobic digestion techniques for biogas production;
- Pyrolysis and gasification processes for bio-oil and syngas generation;
- Development and optimization of micro gas turbines and gas engines for biofuel applications;
- Integration of bio-based energy carriers in hybrid energy systems;
- Environmental impact assessment and life cycle analysis of bioenergy systems;
- Novel applications of biofuels in transportation and industrial sectors;
- Modelling and simulation of biofuel production and conversion processes;

We invite researchers, engineers, and practitioners working in the field of bioenergy to contribute their latest findings and developments.

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### Guest Editors

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### Deadline for manuscript submissions

closed (22 April 2025)



## Energies

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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

Prof. Dr. Enrico Sciubba  
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