

## Special Issue

# Advanced Bioenergy Production Technologies

### Message from the Guest Editor

Bioenergy has played an increasingly important role in the decarbonization of hard-to-abate industries such as aviation, heavy road transport, and steelmaking. Achieving net-zero emissions in these industries by 2050 necessitates the cost-effective production of low-carbon bioenergy, including bioelectricity, liquid transport biofuels, and gases biofuels, to fulfill their energy demands. The Special Issue on Advanced Bioenergy Production Technologies aims to bring together a comprehensive collection of original research and review articles, highlighting the latest advancements and breakthroughs in the field. We invite submissions on a range of topics, including but not limited to the following:

- Biomass pre-treatment technologies
- Biochemical conversion
- Thermochemical conversion
- Algae-based biofuels
- Waste-to-energy
- Techno-economic analysis and life cycle assessment

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### Guest Editor

Dr. Xiangpeng Gao

Centre for Water, Energy and Waste, Harry Butler Institute, Murdoch University, Murdoch, WA 6150, Australia

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### Deadline for manuscript submissions

closed (18 January 2024)



## 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

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