



**energies**



an Open Access Journal by MDPI

## Breaking Ground: Advancements in Biofuel Production and Bioprocess Technology

Guest Editors:

**Dr. Zhi-Yan (Rock) Du**

Department of Molecular  
Biosciences and Bioengineering,  
University of Hawaii at Manoa,  
Honolulu, HI 96822, USA

**Dr. Nan Jiang**

Department of Molecular  
Biosciences and Bioengineering,  
University of Hawaii at Manoa,  
Honolulu, HI 96822, USA

Deadline for manuscript  
submissions:

**31 August 2024**

### Message from the Guest Editors

Dear Colleagues,

This Special Issue seeks to highlight novel approaches, methodologies, and technologies that drive the efficient and sustainable production of biofuels, with particular emphasis on algae, plants, and other sustainable biofuel species.

Topics may include (but are not limited to) the following:

- Significance of biofuel production: We invite contributions that delve into the importance of biofuel production in addressing pressing environmental challenges, reducing greenhouse gas emissions, and promoting energy security.
- Latest advancements in production and bioprocess technologies: Manuscripts that present cutting-edge research on novel production techniques, bioprocess optimization, and technological innovations in biofuel production are welcomed.
- Review and research on sustainable biofuel species: We invite submissions that focus on the cultivation, processing, and utilization of algae, plants, fungi, and other sustainable biofuel species for biofuel production.

Dr. Zhi-Yan (Rock) Du

*Guest Editor*

Dr. Nan Jiang

*Co-Guest Editor*



[mdpi.com/si/197763](https://mdpi.com/si/197763)

# Special Issue



# energies



an Open Access Journal by MDPI

## Editor-in-Chief

### **Prof. Dr. Enrico Sciubba**

Department of Mechanical and  
Aerospace Engineering,  
University of Roma Sapienza, Via  
Eudossiana 18, 00184 Roma, Italy

## 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.

## Author Benefits

**Open Access:** free for readers, with article processing charges (APC) paid by authors or their institutions.

**High Visibility:** indexed within Scopus, SCIE (Web of Science), Ei Compendex, RePEc, Inspec, CAPlus / SciFinder, and other databases.

**Journal Rank:** CiteScore - Q1 (*Engineering (miscellaneous)*)

## Contact Us

---

*Energies* Editorial Office  
MDPI, St. Alban-Anlage 66  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/energies](http://mdpi.com/journal/energies)  
[energies@mdpi.com](mailto:energies@mdpi.com)  
[X@energies\\_mdpi](https://x.com/energies_mdpi)