Special Issue

Biofuel and Bioenergy Production from Microalgae

Message from the Guest Editor

Microalgal biofuels are a promising alternative to fossil fuels. Microalgae biomass can be converted into biofuels from two different routes: biochemical conversion and thermochemical conversion. The development of a suitable conversion approach is one of the key challenges for the economic viability and the sustainability of biofuel production. This Special Issue of *Energies* invites manuscripts from authors who develop biofuels and/or bioenergy from microalgae. High-quality original papers that explore areas of microalgae cultivation and harvesting, biofuels or bioenergy production are sought. Reviews that provide emerging solutions and visions for future research activities are also invited to contribute to this Special Issue. Topics of interest for publication include but are not limited to:

- Microalgae-based biofuels and bioproducts;
- Emerging technologies in algae biofuel production;
- Biohydrogen production from microalgae;
- Wastewater-based algae biofuel production;
- Harvesting of microalgae: overview of process options and their strengths and drawbacks;
- Economics of microalgae cultivation, biofuels, and bioenergy production.

Guest Editor

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Deadline for manuscript submissions

closed (20 June 2023)

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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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