



energies



an Open Access Journal by MDPI

Algal Biotechnology and Biofuels

Guest Editor:

Dr. John James Milledge

Faculty of Engineering and
Science, Algae Biotechnology
Research Group, University of
Greenwich, Central Avenue,
Chatham Maritime, Kent ME4
4TB, UK

Deadline for manuscript
submissions:

closed (20 April 2021)

Message from the Guest Editor

Dear Colleagues,

Algae, both macro (seaweed) and micro (phytoplankton), have been a focus for sustainable biofuels research for several years due to their fast growth and cultivation systems that do not compete with agriculture for land and scarce potable water. The challenges of producing energy in an energy-positive and economical manner have led to increasing research on the exploitation of algal biotechnology for a broader range of products in what has been termed an algal biorefinery. However, algae remain an underutilised resource. This Special Edition of *Energies* titled “Algal Biotechnology and Biofuels” is seeking novel research on the exploitation of algae for fuel and other products, and work on overcoming some of the process challenges and algal biorefining is of special interest.

Keywords: algae; seaweed; biofuel; biogas; biorefinery; anaerobic digestion; fermentation, gasification; pyrolysis; packaging; nutraceuticals; pharmaceuticals; energy balance; ensilage

Dr. John Milledge
Guest Editor



mdpi.com/si/39330

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

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