Special Issue

Advanced Bioenergy and Biorefinery Process

Message from the Guest Editor

Bioenergy and biorefinery production have been considered the future of energy production strategies, replacing current fossil fuel energy industries. The expansion of bioproduction facilitates not only diverse biocatalysts but also the use of various substrates (from inorganic gases to waste materials) and products (e.g., electricity, polymers, and fuels). This Special Issue, titled "Advanced Bioenergy and Biorefinery Processes", covers most of the original research on bioproduction, with aspects of newly suggested multi- and interdisciplinary technologies. Examples of topics within the scope of this Special Issue include the following (but are not limited to these):

- The integration of bioprocess modelling and case studies;
- Fermentation process design, integration, and intensification;
- Bioprocess modelling, simulation, and optimization;
- Biofuel and biochemical production strategies using nonconventional methods;
- Microbial fuel cell, electro-fermentation, and microbial electrosynthesis;
- Techno-economics of biofuel and biochemical production.

Guest Editor

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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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