Special Issue

Sustainability of Biorenewable Systems and Processes

Message from the Guest Editor

In recent years, we have witnessed tremendous growth in the research, development, and commercial investment in biorenewable resources. Starch, lipids, proteins, and fibers can be utilized to produce a variety of bio-based energy, fuels, products, chemicals, and other biorenewable materials. Although the science, engineering, and technology of conversion and utilization are progressing, there is a critical need for more detailed studies on the environmental impacts of these new products and processes. This Special Issue is particularly interested in studies which focus on environmental impact analysis, life cycle assessment, and other mechanisms of determining the environmental effects of biorenewable systems, including chemical fluxes to water, soil, and air, and emissions of greenhouse gases, volatile organic compounds, and toxic compounds. A more complete understanding of environmental impacts can help guide the biorenewables industry as it moves forward to more widespread deployment and adoption.

Guest Editor

Prof. Dr. Kurt A. Rosentrater

Department of Agricultural and Biosystems Engineering, Iowa State University, Ames, IA 50011, USA

Deadline for manuscript submissions

closed (31 August 2020)

Energies

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 7.3

mdpi.com/si/28632

Energies
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
energies@mdpi.com

mdpi.com/journal/energies

Energies

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 7.3

mdpi.com/journal/energies

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.

Editor-in-Chief

Prof. Dr. Enrico Sciubba
Department of Mechanical and Industrial Engineering, University Niccolò Cusano, 00166 Roma, Italy

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 (Control and Optimization)

MDPI