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Bioresources and Bioproducts

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Message from the Editor-in-Chief

Bioresources and Bioproducts is an international, open access journal committed to promoting technologies, processes, and discoveries at the intersection of the global bioeconomy, public health, and the environment. The journal aims to foster sustainable development and stewardship of the Earth. Our objective is to provide a platform for communicating results of new biomanufacturing and biotechnology tools to produce new bioproducts from a variety of bioresources that are present in water, land, and atmosphere environments, as well as in municipal and industry residues. We particularly encourage submissions that demonstrate the development and applications of practical and scalable solutions.

Editor-in-Chief

Prof. Dr. Ronald Charles Sims

Aims

Bioresources and Bioproducts (ISSN 3042-8092) aims to provide a platform for research that promotes the development of a sustainable circular bioeconomy to support improvements in the global environment and public health. We strive to achieve this aim through publishing contributions regarding bioresource identification and transformation into bioproducts, applying strategies such as bioprocessing, biorecycling, upcycling, and valorization, as well as strategies to improve energy and biomanufacturing efficiency. *Bioresources and Bioproducts* publishes reviews, regular research papers (articles), short communications, and book reviews.

Scope

Bioresources and Bioproducts covers research related to the transformation of renewable bioresources into innovative bioproducts, such as biofuels, biochemicals, biomaterials, bioenergy, and bio-based polymers, as well as associated bioprocesses. Novel processes and applications that enhance the environment, public health, and the bioeconomy through transformation of bioresources into bioproducts are encouraged. Topics related to synthetic biology, artificial intelligence (AI), and cultural perspectives must be related to bioresource transformation into bioproducts to improve the environment, health, and the bioeconomy with consideration of bioethics and negative impacts. The scope includes, but is not limited to, the following topics:

- Bioresources;
- Bioproducts;
- Bioenergy and biofuels;
- Environmental protection;
- Public health protection;
- Biological waste treatment;
- Biomass transformation;
- Bioprocessing;
- Bio-based materials;
- Bio-based chemicals;
- Circular bioeconomy;
- Biomanufacturing;
- Bioresidues;
- Biovalorization;
- Synthetic biology;
- Artificial intelligence;
- Cultural perspectives.

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