

Special Issue

Towards Sustainable and Efficient Bioprocesses: Treatment of Biomass

Message from the Guest Editors

The development of efficient bioprocesses for the production of biobased products and value-added biomolecules has emerged as a solution to the demands of the increasing human population and due urbanization requirements. However, the greatest challenge is the selection and design of the most efficient performance routes in such bioprocesses. Thus, the development of eco-friendly bioprocesses will lead to more sustainable production systems that embrace social equality, environmental protection and economic growth. This Special Issue is to attract original research contributions and review articles in the field of pretreatment of biomass applying techniques such as chemical, physical, physicochemical, biological processes, and irradiation. Topics include, but are not limited to:

- Sustainable and effective pretreatment of biomass or bioreources;
- Large-scale industrial application of biomass pretreatment;
- Extraction of biomolecules, bioproducts, biobased chemicals and biofuels by green technologies;
- Enzyme-assisted extraction, microwave-assisted extraction, ultrasound-assisted extraction and pulse electric field methods.

Guest Editors

Dr. Ivan Salmerón Ochoa

Prof. Dr. Dyah Hesti Wardhani

Dr. José Antonio Vázquez Álvarez

Deadline for manuscript submissions

closed (15 September 2024)



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

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Editor-in-Chief

Prof. Dr. Giancarlo Cravotto

Department of Drug Science and Technology, University of Turin, Via P. Giuria 9, 10125 Turin, Italy

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