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Process Design and Assessment Tools for Sustainable Biorefinery

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Message from the Guest Editors

This Special Issue aims to collect innovative research on state-of-the-art technologies, novel processes, and assessment tools to support the deployment of sustainable biorefineries. We welcome the submission of articles and reviews on topics including, but not limited to:

- Valorization of biomass using green solvents.
- Design of biorefining processes for energy, fuels, and platform chemicals.
- Innovative techniques (e.g., green chemistry) for the extraction, separation and purification of bioactive compounds.
- Characterization of extracts and the identification and potential uses of bioactive compounds.
- Cascading biorefinery strategies for the integral valorization of biomass resources.
- Techno-economic and environmental analysis of bio-based production systems.



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Special Issue



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Message from the Editor-in-Chief

Processes (ISSN 2227-9717) provides an advanced forum for process/system-related research in chemistry, biology, material, energy, environment, food, pharmaceutical, manufacturing and allied engineering fields. The journal publishes regular research papers, communications, letters, short notes and reviews. Our aim is to encourage researchers to publish their experimental, theoretical and computational results in as much detail as necessary. There is no restriction on paper length or number of figures and tables.

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