



## Trends in Sustainable Development and Design of Biorefinery Processes and Supply Chains

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### Message from the Guest Editor

This Special Issue on “Trends in Sustainable Development and Design of Biorefinery Processes and Supply Chains” aims to attract contributions that focus on leading edge design and systems analysis techniques in order to address today’s bioeconomy emerging issues. Contributions are welcome in, but not limited to, the following areas:

Deadline for manuscript  
submissions:

**closed (31 December 2020)**

- Novel frameworks for the sustainable design of biorefinery processes, including for example techno-economics, life cycle assessment, site-wide energy analysis, supply chain management and other tools.
- Multi-criteria decision-making considering the benefits and risks of sustainable biorefineries.
- Impact of climate change-related and circularity-related policies on the bioeconomy.
- Deep decarbonisation of energy-intensive biorefinery processes; climate change neutrality implications.
- Life cycle design and other analytical methods for designing and assessing circular bioeconomy value chains.
- Design of sustainable biorefineries considering safety, resilience, and flexibility.
- Coupling bioeconomy strategies with Industry 4.0 and digitalization technologies.





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## Editor-in-Chief

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## Message from the Editor-in-Chief

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