



## Advances in Biomass Energy Resources to Produce Valuable Chemicals

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Deadline for manuscript submissions:

**closed (31 May 2022)**

### Message from the Guest Editors

The current Special Issue focuses on aspects including but not limited to pyrolysis, gasification, combustion, and fermentation to extract useful chemicals from biomass as a potential candidate for bioenergy generation. We specifically invite papers on process optimization techniques, including embedded biorefinery approaches through machine learning, as well as life cycle assessment and technoeconomic pathways to explore market potential and development strategies.

The key research topics in the Special Issue include but are not limited to:

- (1) Thermochemical conversion technologies to produce biochemical and biobased products;
- (2) Integrated biorefinery approaches including machine learning for advance biochemicals;
- (3) Kinetic modeling and value chain analysis;
- (4) Biofuel characterization;
- (5) Life cycle assessment of a product;
- (6) Experimental approaches including Py-GCMS, HPLC, XRD, and NMR results;
- (7) Technoeconomic and market potential analysis on advance biobased materials.





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## Editor-in-Chief

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## Message from the Editor-in-Chief

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