



Biomass Resources to Bioenergy

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Message from the Guest Editor

Dear Colleagues,

The Special Issue titled “Biomass resources to Bioenergy” particularly focuses on this aspect and solicits short and full-length research and review papers with potential topics including, but not limited to, the following:

- Sustainable biomass production including all value chains involved;
- Genetically modified biomass resources towards bioenergy generation;
- Bioenergy, biofuels and biochemicals production from all conversion routes utilizing all kinds of biomass resources;
- Novel technological advancements in biomass resource based processes like bio-chemical looping combustion, torrefaction, biomass co-combustion and photo- and dark fermentation;
- Technoeconomic, environmental and safety analysis of bioenergy and biorefinery processes employing commercial and open-source software including various other mathematical modeling approaches;
- Machine learning, artificial intelligence (AI) and emerging approaches to predict performance and optimization of bioenergy and biorefining processes;
- Cases and concepts revolving around hybrid, smart and future-bioenergy energy systems.





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Message from the Editor-in-Chief

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