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Thermochemical Biorefining

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Message from the Guest Editor

Thermochemical biorefining holds enormous potential for sustainable production of carbonaceous chemicals and fuels; sustainable in terms of economic, environmental and resource efficiency. Within this scope, virtually all organic streams, be they wet/dry, virgin/residual, aquatic/terrestrial, flora/fauna-derived can be processed alone or in mixtures to intermediate platform chemicals and precursors, intermediate fuel products, such as syngas or bio-oils and, from there, efficiently converted to synthetic hydrocarbons or higher alcohols. However, challenges in implementation, process understanding, design and upscaling, identifying and alleviating bottlenecks in process flows, exist within all, as do significant challenges in establishing and documenting sustainability in its full meaning.

The scope of this Special Issue is to present the state-of-the-art within sustainable thermochemical biorefining for fuels and chemicals, and to highlight opportunities within sustainable processing realisable by these pathways. [...]



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Special Issue



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Message from the Editor-in-Chief

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