

## Special Issue

# Hydrodeoxygenation of Biomass-Derived Feedstock

### Message from the Guest Editors

This Special Issue aims to compile recent original research articles and reviews that report advances in the science and technology underpinning the value-added conversion of waste-derived carbon resources via hydrodeoxygenation (HDO) processes. Topics of interest include, but are not limited to, the following:

- Hydrodeoxygenation of biomass-derived model compounds in supercritical ethanol or methanol.
- Hydrodeoxygenation of biomass-derived intermediates under an external molecular hydrogen atmosphere.
- Ring hydrogenation of lignin- and carbohydrate-derived aromatic or cyclic oxygenates present in biomass feedstocks over metal-loaded catalytic supports.
- Upgrading of bio-molecules into fuel-grade chemicals; conversion of furans to DMF.
- Catalytic upgrading of raw or pretreated bio-oils in supercritical ethanol or under external hydrogen, aiming to reduce oxygen content, enhance stability, and improve fuel-quality properties.
- The catalytic valorization of lignin or whole biomass feedstocks in alcoholic media or under molecular hydrogen.
- Reaction kinetics of HDO reactions
- High-value products, including platform chemicals, biofuel and their applications.

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### Deadline for manuscript submissions

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## About the Journal

### Message from the Editor-in-Chief

*Energies* is an international, open access journal in energy engineering and research. The journal publishes original papers, review articles, technical notes, and letters. Authors are encouraged to submit manuscripts which bridge the gaps between research, development and implementation. The journal provides a forum for information on research, innovation, and demonstration in the areas of energy conversion and conservation, the optimal use of energy resources, optimization of energy processes, mitigation of environmental pollutants, and sustainable energy systems.

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