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Catalytic Pyrolysis of Biomass: Latest Advances and Prospects

Guest Editor:

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Message from the Guest Editor

In this Special Edition, we cover the state-of-the-art in catalytic pyrolysis. This includes fundamental studies, applied studies, and performance of these oils during upgrading to hydrocarbon fuels.

Subtopics invited to this Special Edition include but are not limited to:

- In situ catalytic pyrolysis of biomass: a review;
- Ex situ catalytic pyrolysis of biomass: a review;
- Catalytic pyrolysis of biomass using red mud;
- Catalytic pyrolysis of biomass using oxide catalysts;
- Catalytic pyrolysis of biomass using zeolite and other acidic catalysts;
- Fundamentals of catalytic pyrolysis of biomass;
- Hydrodeoxygenation upgrading of catalytic pyrolysis oils;
- Upgrading of catalytic pyrolysis oils without hydrogen;
- Miscellaneous methods of catalytic pyrolysis oils upgrading;
- Future of catalytic pyrolysis of biomass.