

## Special Issue

# Catalytic Conversion of Bioderived Feedstocks to Chemical Platforms and Fuels

### Message from the Guest Editors

This Special Issue delves into the latest advancements in catalytic technologies for the sustainable conversion of bioderived feedstocks into valuable chemical platforms and fuels. With nature producing a staggering 170 billion metric tons of biomass annually, of which 75% consists of carbohydrates, there exists a vast untapped resource for green chemistry. However, only a small fraction of these carbohydrates is currently utilized. This Special Issue seeks to highlight the importance of developing efficient and selective catalytic processes to harness this potential, reducing reliance on fossil resources and mitigating environmental concerns. The Special Issue covers a wide range of topics, including biomass pretreatment, catalytic upgrading of platform chemicals, biofuel production, and catalyst design and characterization.

This Special Issue features contributions from leading experts in the field, providing insights into the challenges and opportunities in catalytic biomass conversion, showcasing cutting-edge research, and discussing future directions.

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### Guest Editors

Dr. Islam Md Rizwanul Fattah  
Dr. Mohammad Boshir Ahmed  
Prof. Dr. John Zhou

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### Deadline for manuscript submissions

closed (10 March 2025)



## Catalysts

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### Message from the Editor-in-Chief

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#### Editor-in-Chief

Prof. Dr. Keith Hohn  
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