

Special Issue

Catalytic Conversion of Biomass-Derived Molecules to Chemicals and Fuels

Message from the Guest Editors

This Special Issue will feature contributions from an associated symposium on “Catalytic conversion of biomass derived molecules to chemicals and fuels” held under the Division of Catalysis Science and Technology at the 255th ACS National Meeting in New Orleans but is also open to general contributions from the catalysis community. Articles will particularly emphasise the transformation of non-lignin biomass derivatives, and encompass: (i) synthesis and characterization of new metal oxides, carbides, or phosphides based catalysts; (ii) experimental measurements and kinetic modelling of reaction rates/activities/selectivities; (iii) fundamental investigation of active sites, their stability and tenability; (iv) reactions catalyzed by bifunctional and cooperative catalysts; and (v) the impact of solvents and co-reactants on reaction rate and mechanism.

Guest Editors

Prof. Dr. Mark Crocker

Prof. Dr. Adam F. Lee

Prof. Dr. Karen Wilson

Prof. Dr. Conrad Zhang

Deadline for manuscript submissions

closed (31 December 2018)



Catalysts

an Open Access Journal
by MDPI

Impact Factor 4.0
CiteScore 7.6



mdpi.com/si/14093

Catalysts
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
catalysts@mdpi.com

[mdpi.com/journal/
catalysts](https://mdpi.com/journal/catalysts)





Catalysts

an Open Access Journal
by MDPI

Impact Factor 4.0
CiteScore 7.6



[mdpi.com/journal/
catalysts](https://mdpi.com/journal/catalysts)



About the Journal

Message from the Editor-in-Chief

Editor-in-Chief

Prof. Dr. Keith Hohn

Carl R. Ice College of Engineering, Kansas State University, Manhattan,
KS, USA

Author Benefits

High Visibility:

indexed within Scopus, SCIE (Web of Science), Inspec, Ei Compendex, CAPlus / SciFinder, CAB Abstracts, and other databases.

Journal Rank:

JCR - Q2 (Chemistry, Physical) / CiteScore - Q1 (General Environmental Science)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 16.6 days after submission; acceptance to publication is undertaken in 2.7 days (median values for papers published in this journal in the first half of 2025).