

Special Issue

Catalysts for the Production of Chemicals or Fuels from Lignocellulosic Biomass

Message from the Guest Editors

Lignocellulosic biomass-based heterogeneous catalysts produced from biomass are receiving much attention from researchers, as biomass a renewable resource from plants mainly composed of polysaccharides (cellulose and hemicelluloses) and aromatic polymer (lignin). It can be better managed and utilized for various applications, such as in value-added chemicals and fuels. The extensive application of activated carbon from biomass in industrial processes, which is used as a catalyst's support, is due to its cost being lower than silica, activated alumina, and zeolites. Biodegradable chemicals and biofuels have gained popularity worldwide because they are renewable and energy efficient, and are primarily made from crop waste and recycled resources. Biofuels are one of the best alternatives to conventional fossil fuels. They are highly biodegradable, have minimal toxicity, and have almost zero emissions of sulfates, aromatic compounds, and other chemical substances that are harmful to the environment. Original papers on the above topics are welcome for submission.

Guest Editors

Prof. Dr. Umer Rashid

Prof. Dr. Chawalit Ngamcharussrivichai

Dr. Fahad A. Alharthi

Deadline for manuscript submissions

closed (30 November 2023)



Catalysts

an Open Access Journal
by MDPI

Impact Factor 4.0
CiteScore 7.6



mdpi.com/si/151236

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).