

Special Issue

Heterogeneous Catalysts for Lignin Upgrading

Message from the Guest Editor

Lignin valorization became last years an attractive area for producing aromatics, fuels and bio-based materials. Produced by paper industries, where it is used as energy, lignin upgrading to high added-value chemicals stays in its infancy. Developing efficient processes to produce aromatics, with the aim of enhancing the economical balance of biorefineries, remains a major challenge. Thus, the development of catalysts, mainly heterogeneous, represent a very attractive area. When associated to processes, it represent therefore key investigations for developing further biorefineries by defining breakthrough technologies for the chemical industries. It is a pleasure to invite you to contribute to this special issue of *Catalysts*. This special issue covers development of catalyst (heterogeneous and homogenous systems), processes through design and use of reactor including engineering aspects, industrial applications from demonstration plants to production implementations. While focused on heterogeneous catalysis, researches devoted to discovery of efficient homogenous systems are also strongly encouraged. Original research papers and review articles are welcome.

Guest Editor

Dr. Laurent Djakovitch

Institut de Recherches sur la Catalyse, 2 avenue Albert Einstein, 69626 Villeurbanne Cedex, France

Deadline for manuscript submissions

closed (31 January 2022)



Catalysts

an Open Access Journal
by MDPI

Impact Factor 4.0
CiteScore 7.6



mdpi.com/si/46469

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 15.9 days after submission; acceptance to publication is undertaken in 3.5 days (median values for papers published in this journal in the second half of 2025).