

Special Issue

Catalytical Methods for the Production of Fine and Bulk Chemicals and Biomaterials from Biomass

Message from the Guest Editors

Biomass in the form of cellulose is the most abundant non-fossil-based carbon source on the surface of planet Earth. The US department of energy has proposed the following chemicals, namely, 1, 4 diacids (succinic, fumaric and malic), aspartic acid, glutamic acid, 2-5 furan dicarboxylic acid, 3-hydroxy propionic acid, glucaric acid, itaconic acid, levulinic acid, 3-hydroxy butyrolactone, glycerol, sorbitol and xylitol/arabinitol as top 12 value-added chemicals that serve as economic drivers for the upcoming biorefinery. This Special Issue focus on the "Catalytical Methods for the Production of Fine and Bulk Chemicals and Biomaterials from Biomass", especially talking about the "Production of fine and bulk chemicals and biomaterials from levulinic acid", is to make the existing and new knowledge in this field freely and widely accessible to industrial personnel and policymakers facilitating the development of biorefinery facility leading to meeting the global energy, chemical and material needs. The research fraternity working on "levulinic acid" is encouraged to enthusiastically contribute their results for publication in the Special Issue.

Guest Editors

Dr. Indra Neel Pulidindi

Prof. Dr. Aharon Gedanken

Dr. Pankaj Sharma

Deadline for manuscript submissions

closed (31 August 2024)



Catalysts

an Open Access Journal
by MDPI

Impact Factor 4.0
CiteScore 7.6



mdpi.com/si/116513

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).