

Special Issue

Biocatalytic Cascade Reactions (in vivo and in vitro)

Message from the Guest Editors

The topic of this Special Issue encompasses cascades employing (engineered) enzymes that operate simultaneously in one pot—either a reaction tube or a living cell—or in a sequential fashion in vitro, in vivo, or in hybrid systems. Enzymes may be applied in isolated form, immobilized, as cell-free extracts, as whole-cell biocatalysts, as well as in combination with metal- and organo-catalysts or in entirely unprecedented forms. The aim of this Special Issue is to highlight current developments in the fields of biocatalysis and cascade design and to grasp emerging trends that will facilitate the manufacturing of chemicals, pharmaceuticals, and highly demanded ingredients of the future ... already today!

Guest Editors

Dr. Sandy Schmidt

Groningen Research Institute of Pharmacy, Chemical and Pharmaceutical Biology, Anthonius Deusinglaan 1, 9713AV Groningen, The Netherlands

Dr. Thomas Bayer

Institute of Biochemistry, University of Greifswald, 17489 Greifswald, Germany

Deadline for manuscript submissions

closed (31 July 2021)



Catalysts

an Open Access Journal
by MDPI

Impact Factor 4.0
CiteScore 7.6



mdpi.com/si/44528

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).