

Special Issue

Surfaces and Interfaces in Biocatalysis

Message from the Guest Editor

In recent years, biocatalysis has been increasing in importance due to challenging possibilities not accessible by chemical synthesis—enantioselectivity, milder and green chemistry conditions, and minimized energy and waste. Therefore, biocatalysts, i.e., naturally occurring biological materials (e.g., enzyme-specific proteins), play a major role in the production of biobased and bioeconomic products. This Special Issue is dedicated to the experimental and theoretical aspects of the science and technology of biocatalysis; bioprocesses; agricultural and medical biotechnology; the chemical and physical characterisation of biomaterials at the surface and interface; the description of the interactions of biomaterials at the interface; the description of mechanisms and processes at the surface and interface; techniques of qualitative and quantitative characterisation of the surface and interface of biomaterials; theoretical modelling of the biointerface; methods of surface biofunctionalisation/biomodification; and methods of attaching biomaterials with molecular precision.

Guest Editor

Dr. B. Lesiak-Orlowska

Dynamics of Nanocrystal Structure Induced by Surface Chemistry,
Department of Catalysis on Metals Institute of Physical Chemistry,
Polish Academy of Sciences, Kasprzaka 44/52, 01-224 Warsaw, Poland

Deadline for manuscript submissions

closed (31 July 2024)



Catalysts

an Open Access Journal
by MDPI

Impact Factor 4.0
CiteScore 7.6



mdpi.com/si/80822

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).