

## Special Issue

# Bioprocess Engineering and Enzyme Application

### Message from the Guest Editors

With advances in our understanding of molecular engineering of organisms and improving biochemical processes through enzyme selection and reaction optimization, the biological synthesis of everything from commodity to fine chemicals is on the horizon, either alone or in concert with organic synthesis. In this Special Issue, we will examine scientific advances in biomanufacturing focusing on traditional cellular-based systems of production, the rise in cell-free systems that rely on transcription/translation machinery in vitro, and synthetic biochemistry systems that utilize purified enzymes for biosynthesis.

---

### Guest Editors

Dr. Scott A. Walper

Naval Research Laboratory, Washington, D.C., USA

Dr. Gregory A. Ellis

Naval Research Laboratory, Washington, D.C., United States

---

### Deadline for manuscript submissions

closed (31 March 2021)



## Catalysts

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.0  
CiteScore 7.6



[mdpi.com/si/41933](https://mdpi.com/si/41933)

*Catalysts*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[catalysts@mdpi.com](mailto: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).