

# Special Issue

## Epoxidation Catalysis

### Message from the Guest Editors

The epoxidation reaction of the C=C double bond is one of the most powerful and versatile tools in synthetic chemistry, from the laboratory level up to the industrial scale. It is used to produce bulk chemicals (i.e., ethylene oxide, propylene oxide), functionalized chemical auxiliaries (i.e., epoxidized vegetable oils), as well as high added-value fine chemicals (i.e., epoxidized terpenes). Several oxidants can be used for epoxidation (air, O<sub>2</sub>, hydrogen peroxide, organic hydroperoxides, peroxyacids) and the choice is linked to the substrate type, the features of the used catalyst, safety, economy, and sustainability of the overall process. The aim of this Special Issue on epoxidation reactions is to provide the reader with trans-disciplinary up-to-date information on different epoxidation systems, paying particular attention to the catalytic aspects of this transformation.

### Guest Editors

**Prof. Martino Di Serio**

Department of Chemical Sciences, University of Naples "Federico II",  
Via Cinthia, IT-80126, Naples, Italy

**Dr. Matteo Guidotti**

CNR-Istituto di Scienze e Tecnologie Molecolari, Via C. Golgi, 19, 20133  
Milano, Italy

### Deadline for manuscript submissions

closed (31 December 2018)



## Catalysts

an Open Access Journal  
by MDPI

Impact Factor 4.0  
CiteScore 7.6



[mdpi.com/si/13565](https://mdpi.com/si/13565)

*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 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).