

Special Issue

Enzymes in Sustainable Chemistry

Message from the Guest Editors

Enzymes as biocatalysts offer a number of advantages for a sustainable chemical industry, such as moderate reaction conditions, biodegradability, high selectivity, and, therefore, low byproduct formation. Thus, enzymes are already widely used in the food, textile, cleaning and detergent, chemical, and pharmaceutical industries. However, the development of novel strategies to create new enzymes with improved properties such as stability or selectivity is required for use in chemical processes. Likewise, the implementation and improvement of new technologies of the application of the enzymes in new reactions, especially in more sustainable way, is mandatory in a circular economy and in the fight against climate change. This Special Issue will be focused on innovative and novel research in the design and application of enzymes (biological catalysts) in sustainable chemical processes.

Guest Editors

Prof. Dr. Jose M. Palomo

Group of Chemical Biology and Biocatalysis, Department of Biocatalysis, Instituto de Catalis and Petroleoquímica (ICP-CSIC), Marie Curie 2, 28049 Madrid, Spain

Prof. Dr. Cesar Mateo

CSIC - Instituto de Catálisis y Petroleoquímica (ICP), Madrid, Spain

Deadline for manuscript submissions

closed (30 September 2020)



Catalysts

an Open Access Journal
by MDPI

Impact Factor 4.0
CiteScore 7.6



mdpi.com/si/42513

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).