

## Special Issue

# Biocatalysts for Sustainable Processing: Special Focus on Enzymatic Catalysis in the Food Industry

### Message from the Guest Editors

Enzymes have unsurpassed physicochemical, biological and biocatalytic functionalities, allowing biocatalysis with selectivity and specificity in the conversion of raw materials. For this reason, the food industry has taken advantage of enzymes as green catalysts to extract bioactive substances, improve sensory, taste, and texture properties, produce nutrient-rich foods, and eliminate food safety hazards. Enzymes offer several benefits over traditional catalytic agents with respect to process efficiency, sustainability, reuse, and cost-benefit ratio. With a central focus on the food industry, this Special Issue seeks to explore emerging challenges, opportunities, trends, and approaches in the development of biocatalytic procedures, as well as the enzymatic engineering of innovative biocatalysts.

### Guest Editors

Dr. Ezequiel Coscueta

Escola Superior de Biotecnologia, Universidade Católica Portuguesa,  
4169-005 Porto, Portugal

Dr. Manuela Pintado

Escola Superior de Biotecnologia, Universidade Católica Portuguesa,  
4169-005 Porto, Portugal

### Deadline for manuscript submissions

closed (20 March 2022)



## Catalysts

an Open Access Journal  
by MDPI

Impact Factor 4.0  
CiteScore 7.6



[mdpi.com/si/93759](https://mdpi.com/si/93759)

*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).