

Special Issue

Advances in Enzyme Identification and Biocatalytic Applications

Message from the Guest Editors

Biocatalysis is a key and powerful technology that accomplishes the requirements to develop greener and sustainable processes. Its applications are constantly expanding, covering areas such as pharmaceuticals, food production, biofuels, waste management, and environmental remediation. Therefore, this discipline is constantly being challenged for increasing the efficiency of known enzymes and developing new ones. The identification, characterization, and application of enzymes is a major concern for the achievement of novel solutions in the scientific and engineering field. This Special Issue on “Advances in Enzyme Identification and Biocatalytic Applications” seeks high-quality studies focusing on the identification, characterization, and applications of enzymes. Topics include, but are not limited to, the following: (a) The identification and characterization of novel enzymes with biocatalytic applications. (b) Novel biocatalytic applications of enzymes. (c) Enzyme design or engineering to improve catalytic efficiency and reactor performance. (d) The development of novel techniques for enzyme identification.

Guest Editors

Dr. Pedro Valencia

Center of Biotechnology, Universidad Técnica Federico Santa María, Valparaíso 2390136, Chile

Prof. Dr. Zaida Cabrera

School of Biochemical Engineering, Pontificia Universidad Católica de Valparaíso, Valparaíso 2362803, Chile

Deadline for manuscript submissions

25 October 2025



Processes

an Open Access Journal
by MDPI

Impact Factor 2.8
CiteScore 5.5



mdpi.com/si/199199

Processes
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
processes@mdpi.com

[mdpi.com/journal/
processes](https://mdpi.com/journal/processes)





Processes

an Open Access Journal
by MDPI

Impact Factor 2.8
CiteScore 5.5



[mdpi.com/journal/
processes](https://mdpi.com/journal/processes)



About the Journal

Message from the Editor-in-Chief

You are invited to contribute either a research article or a comprehensive review for consideration and publication in *Processes* (ISSN 2227-9717). *Processes* is published in open access format – research articles, reviews, and other content are released on the internet immediately after acceptance. The scientific community and the general public have unlimited, free access to the content. As an open access journal, *Processes* is supported by the authors and their institutes through the payment of article processing charges (APCs) for accepted papers. We would be pleased to welcome you as one of our authors.

Editor-in-Chief

Prof. Dr. Giancarlo Cravotto

Department of Drug Science and Technology, University of Turin, Via P. Giuria 9, 10125 Turin, Italy

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE (Web of Science), Ei Compendex, Inspec, AGRIS, and other databases.

Journal Rank:

CiteScore - Q2 (Chemical Engineering (miscellaneous))