

Special Issue

Industrial Enzymes: Structure, Function and Applications

Message from the Guest Editors

Enzymes play an integral and important role in various industries, recent developments in the fields of molecular biology, protein chemistry, and enzyme engineering have significantly increased the use of enzymes as biocatalysts for the production of fine chemicals and pharmaceuticals. Industrial enzymes have developed enormously in the last decade and now offer solutions for the sustainable production of chiral and highly functionalized molecules. This enormous progress is based on new approaches for the screening and identification of novel enzymes, various methods to efficiently (over)produce enzymes in an economic way, various techniques to tailor enzymes with respect to desired or novel properties, as well as a wealth of structural data on enzymes. The successful use of enzymes in industry and biocatalysis requires a transdisciplinary expertise. This dynamic interplay between different scientific areas will also be reflected in this Special Issue on the structure, function, and use of industrial enzymes, both in traditional fields and in novel industrial applications.

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Message from the Editor-in-Chief

The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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