Special Issue

Industrial Microorganisms and Enzyme Technologies

Message from the Guest Editor

Industrial microorganisms and enzyme technologies play a pivotal role in modern biotechnology, driving innovations in bioenergy, pharmaceuticals, food production, etc. These technologies are critical for reducing environmental impacts, lowering production costs, and enabling the transition toward a circular bioeconomy. This Special Issue aims to compile high-quality research on the optimization, engineering, and application of industrial microbes and enzymes for biotechnological and industrial processes. By focusing on both fundamental and applied studies, this Special Issue will provide insights into novel strategies for enzyme design, metabolic engineering, and bioprocess optimization. In this Special Issue, original articles and reviews are both welcome. Research areas may include (but are not limited to) the following:

- Microbial strain development and metabolic engineering;
- Enzyme discovery, engineering, and immobilization;
- Bioprocess optimization and scale-up;
- Applications in biofuels, bioremediation, and green chemistry;
- Synthetic biology tools for industrial microorganisms;
- Computational modeling of microbial and enzyme systems.

We look forward to receiving your contributions.

Guest Editor

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Message from the Editorial Board

Biomolecules is a multidisciplinary open-access journal that reports on all aspects of research related to biogenic substances, from small molecules to complex polymers. We invite manuscripts of high scientific quality that pertain to the diverse aspects relevant to organic molecules, irrespective of the biological question or methodology. We aim for a competent, fair peer review and rapid publication. Please look at some of the exciting work that has been published in *Biomolecules* so far. We would be delighted to welcome you as one of our authors.

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