

## Special Issue

# Molecular Enzymology: Advances and Applications

### Message from the Guest Editors

Microbes are the key for the production of various valuable enzymes and the application of these enzymes to bioproduct development. Microbial enzymes offer extensive and increasingly significant advantages over chemical catalysts since they are derived from renewable resources and are biodegradable. From the molecular enzymology perspective, microbial bioengineering and applied biological sciences approaches, like metabolic engineering, next-generation sequencing, functional genomics, systems, and synthetic biology are the key to engineering microbial cell factories to produce tailor-made enzyme bioprocess. Microbial enzyme engineering includes biotechnological innovation, chemical engineering, drug developments, and applied biorefineries development systems. This Special Issue also welcomes submissions exploiting diverse and novel microbes from various extremes/hotspots as pillars for the industry and academic research.

This Special Issue will publish articles including reviews and research papers with an emphasis on enzyme production and formulations.

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### Guest Editors

Dr. Vijai Kumar Gupta

Prof. Jiri Damborsky

Prof. Dr. Gustavo Molina

Prof. Kumar Vivek

Dr. Zeba Usmani

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### Deadline for manuscript submissions

closed (31 May 2022)



## International Journal of Molecular Sciences

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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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### Editor-in-Chief

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