

Special Issue

Molecular Advances in Enzyme Kinetics

Message from the Guest Editor

It is an honour and great pleasure to invite you to contribute original research or review articles to this Special Issue of *IJMS* entitled “Molecular Advance in Enzyme Kinetics”. Enzymes are catalysts that allow biochemistry to run efficiently during biological processes. Hence, understanding the kinetics and molecular mechanisms of enzyme-catalyzed reactions has played an important role in biochemistry. At present, enzyme kinetics significantly complement big omics data and other molecular sciences. Therefore, the main goal of this Special Issue is to share modern findings and results from this field among scientists. We welcome manuscripts that cover the following topics:

- Modern aspects of measuring enzyme kinetics data;
- Steady-state and pre-steady-state enzyme kinetics;
- Numerical enzyme kinetics data analysis;
- Enzyme kinetic characterization for indicating some diseases;
- Enzyme kinetic characterization for biological pathways modelling;
- High-throughput technologies for enzyme and inhibitors screening;
- Comprehensive documentation of enzymatic data.

Guest Editor

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Deadline for manuscript submissions

closed (14 June 2024)



International Journal of Molecular Sciences

an Open Access Journal
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Impact Factor 4.9
CiteScore 9.0
Indexed in PubMed



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*International Journal of
Molecular Sciences*
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About the Journal

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.

Editor-in-Chief

Prof. Dr. Maurizio Battino

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