

Special Issue

Advances in Research of D-Amino Acids

Message from the Guest Editor

D-amino acids are found in all kingdoms of life like their chemical siblings, the proteinogenic L-amino acids. L-amino acids fulfill essential functions as building blocks of proteins and primary metabolites, but their enantiomers are found in other cellular contexts, which range from bacterial cell wall synthesis, to composition of antibiotics and neurotransmission, to plant nitrogen utilization and bacterial colonization of the soil. In the last decade, novel functions for D-amino acids have been found in different organisms, and many more are expected to be found in the future. In this Special Issue of *IJMS*, all aspects of D-amino acids from biosynthesis, metabolism, regulation, and transport to molecular and physiological functions will be focused on. Manuscripts such as short communications, original research papers, and reviews from researchers in this field are welcome to provide an overview of the newest findings and the future of D-amino acid research.

Guest Editor

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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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