



an Open Access Journal by MDPI

Advances in Research of D-Amino Acids

Guest Editor:

Dr. Üner Kolukisaoglu

Center for Molecular Biology of
Plants (ZMBP), University of
Tübingen, 72076 Tübingen,
Germany

Deadline for manuscript
submissions:

closed (15 August 2020)

Message from the Guest Editor

Dear Colleagues,

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.

Dr. Üner Kolukisaoglu
Guest Editor



mdpi.com/si/35992

Special Issue



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Maurizio Battino

Department of
Odontostomatologic and
Specialized Clinical Sciences,
Sez-Biochimica, Faculty of
Medicine, Università Politecnica
delle Marche, Via Ranieri 65,
60100 Ancona, Italy

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.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), PubMed, PMC, MEDLINE, Embase, CAPus / SciFinder, and other databases.

Journal Rank: JCR - Q1 (Biochemistry and Molecular Biology) / CiteScore - Q1 (Inorganic Chemistry)

Contact Us

*International Journal of Molecular
Sciences* Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/ijms
ijms@mdpi.com
X@IJMS_MDPI