

Special Issue

Biophysical Study of the Structure, Dynamics, and Function of Nucleic Acids 3.0

Message from the Guest Editor

Nucleic acids play an important role in all biological processes related to genetic information such as replication, transcription, translation, repair, and recombination. Over the years, biophysical tools such as X-ray crystallography, NMR spectroscopy, and cryo-EM have been employed to study the structure of nucleic acids to understand their biological functions. In addition, biophysical studies of the dynamic features of nucleic acids should be conducted, because their less populated conformations can contribute to folding, stability, and biological functions. Recently, many experimental and theoretical approaches have been reported to understand the correlation between the structure and dynamics of nucleic acids and their biological functions. This Special Issue will introduce new interesting developments in the field of structure and dynamics of nucleic acids and complexes with target proteins.

Guest Editor

Prof. Dr. Joon-Hwa Lee

Department of Chemistry, Gyeongsang National University, Jinju, Gyeongnam 52828, Korea

Deadline for manuscript submissions

closed (31 July 2023)



International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.0
Indexed in PubMed



mdpi.com/si/127460

*International Journal of
Molecular Sciences*
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
ijms@mdpi.com

[mdpi.com/journal/
ijms](https://mdpi.com/journal/ijms)





International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.0
Indexed in PubMed



[mdpi.com/journal/
ijms](https://mdpi.com/journal/ijms)



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

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

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, CAPlus / SciFinder, and other databases.

Journal Rank:

JCR - Q1 (Biochemistry and Molecular Biology) / CiteScore
- Q1 (Organic Chemistry)