

Special Issue

Molecular Advances in Liposome-Based Drug Delivery Systems

Message from the Guest Editor

This Special Issue, entitled “Molecular Advances in Liposome-Based Drug Delivery Systems”, delves into cutting-edge developments in the application of liposomes at the molecular level. It explores innovative methodologies, intricate mechanisms, and groundbreaking advancements in liposomal formulation design and synthesis, targeted delivery, controlled release, nanotechnology integration, and their translational potential for therapeutic and diagnostic applications. This Special Issue also covers trends and future directions in the field, including the development of multifunctional and stimuli-responsive liposomes and personalized medicine approaches. Serving as a valuable resource for researchers, clinicians, and industry professionals, this Special Issue provides a detailed understanding of the molecular underpinnings of liposome-based drug delivery systems and their transformative potential in medicine.

Guest Editor

Dr. Shao-Ling Huang

Division of Cardiology, Department of Internal Medicine, McGovern Medical School, The University of Texas Health Science Center at Houston, Houston, TX 77030, USA

Deadline for manuscript submissions

20 August 2025



International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.0
Indexed in PubMed



mdpi.com/si/210572

*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)