

Special Issue

Current Research on Colloidal Emulsions: Preparation and Applications

Message from the Guest Editor

Hydrophobic–water interfaces are ubiquitous in nature. They are present in the surfaces of plants and animals that control water capture, natural phenomena such as the formation of cloud droplets, and the biological membrane cells in our bodies, where lips form bilayers that maintain cellular integrity. The chemistry and properties that occur at the boundaries between oil and water govern the stability of emulsion systems to provide long-term interfacial stability. Understanding the factors influencing their formulation is essential for controlling and preventing emulsion breakdown of industrial-based systems, including paints, coatings, cosmetics, drugs, pharmaceuticals, bitumen and emulsion explosives. Despite recent advances in emulsion science, which have greatly improved the quality and performance of emulsion-based products using new techniques and advanced design, emulsions are very diverse in their composition, requirements, and applications and are continuously evolving and require further understanding.

Guest Editor

Dr. Alexander Djerdjev

School of Chemistry, University of Sydney, Sydney, NSW 2006, Australia

Deadline for manuscript submissions

20 March 2026



International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.0
Indexed in PubMed



mdpi.com/si/254166

*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)