

## Special Issue

# Lipid-Based Functional Nanomaterials

### Message from the Guest Editor

Lipid-based nanomaterials have emerged as versatile platforms with significant potential in drug delivery, imaging, diagnostics, and beyond. Their biocompatibility, tunable properties, and ability to encapsulate a wide range of molecules make them highly attractive for innovative solutions to scientific challenges. This Special Issue aims to explore the latest advancements and future directions in lipid-based functional nanomaterials. We encourage submissions that address, but are not limited to, the following themes:

- Novel synthesis and formulation strategies for lipid-based nanomaterials;
- Structure–function relationships and physicochemical characterization;
- Targeted drug delivery and controlled release systems;
- Imaging and diagnostic applications of lipid-based nanomaterials;
- Theranostic approaches combining diagnostics and therapy;
- Regulation of immune responses and vaccine development;
- Overcoming biological barriers for enhanced therapeutic efficacy;
- Safety and biocompatibility considerations;
- Clinical translation and future perspectives.

### Guest Editor

Dr. Seyed R. Tabaei

School of Chemistry and Chemical Engineering, Queen's University  
Belfast, Belfast BT9 5AG, UK

### Deadline for manuscript submissions

closed (31 December 2024)



## International Journal of Molecular Sciences

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Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[ijms@mdpi.com](mailto:ijms@mdpi.com)

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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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### 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

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