





an Open Access Journal by MDPI

Liposomes for Drug Delivery: Recent Advances and Discoveries

Guest Editors:

Dr. Cecilia Bombelli

CNR-Institute for Biological Systems, Secondary Office of Rome-Reaction Mechanisms, c/o Chemistry Department, Sapienza University of Rome, 00185 Rome, Italy

Dr. Francesca Ceccacci

CNR-Institute for Biological Systems, Secondary Office of Rome-Reaction Mechanisms, c/o Chemistry Department, Sapienza University of Rome, 00185 Rome, Italy

Deadline for manuscript submissions:

closed (29 February 2024)

Message from the Guest Editors

Dear Colleagues,

Liposomes and liposome-based drug delivery systems have proved to be the most successful family in the field of nanomedicine thanks to their safety, biocompatibility, and biodegradability. Their unique structural features can be modulated as a function of the physicochemical properties of the drug, of the biological target and of the therapeutic protocol, improving in this way their efficacy and targeting ability.

This Special Issue will focus on recent developments in all fields concerning the use of liposomes as drug delivery systems (targeting, diagnostics, imaging and theranostics). Special attention will be given to liposomes and multifunctional liposome-based systems for the targeted delivery to the central nervous system, subcellular organelles, tumors, bacteria biofilms, as well as to the delivery of genetic materials, peptides, and natural bioactive compounds.

Dr. Cecilia Bombelli Dr. Francesca Ceccacci Guest Editors













an Open Access Journal by MDPI

Editors-in-Chief

Prof. Dr. Peter E. Nielsen

Department of Cellular and Molecular Medicine, Faculty of Health and Medical Sciences, University of Copenhagen, Blegdamsvej 3C, DK-2200 Copenhagen, Denmark

Prof. Dr. Lukasz Kurgan

Department of Computer Science, Virginia Commonwealth University, Richmond, VA 23284, USA

Message from the Editorial Board

Biomolecules is a multidisciplinary open-access journal that reports on all aspects of research related to biogenic substances, from small molecules to complex polymers. We invite manuscripts of high scientific quality that pertain to the diverse aspects relevant to organic molecules, irrespective of the biological question or methodology. We aim for a competent, fair peer review and rapid publication. Please look at some of the exciting work that has been published in *Biomolecules* so far. We would be delighted to welcome you as one of our authors.

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, MEDLINE, PMC, Embase, CAPlus / SciFinder, and other databases.

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

Contact Us