



A Commemorative Issue in Honor of Professor Gregory Gregoriadis: Liposomes for the Delivery of Drugs and Vaccines

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Deadline for manuscript
submissions:

closed (28 February 2026)

Message from the Guest Editor

The design and development of liposomal drugs may offer solutions to such delivery problems, especially if the liposomal carriers can reach, and deliver the associated drug to their specific biological targets. In addition to Drug Delivery solutions, liposomes can offer solutions to vaccination limitations. Vaccination is often hampered by the presence of infectious agents, weak immune responses and prohibiting costs. Such problems may be circumvented by immunisation with nucleic acids, especially when associated with cationic lipids in the form of liposomes and other lipid-based nanoparticles. The contributors of the present volume deal with the background and progress made so far with liposomes for drug delivery and targeting, as well as vaccines. Theoretical and practical advantages as well as potential risks are discussed.

liposomes for drug delivery
development, applications, and challenges of ligand-
targeted liposomal drugs
liposomes and biological barriers
liposomes as immunological adjuvants
cationic liposomes and lipid nanoparticles as vaccine
carriers
immunization with nucleic acids in liposomes
entrapment of nucleic acid vaccines in cationic liposomes





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Journal Rank: JCR - Q1 (Pharmacology and Pharmacy) / CiteScore - Q1 (Pharmaceutical Science)

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