

## Special Issue

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

### 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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### Deadline for manuscript submissions

30 June 2025



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