# **Special Issue**

# Lipid and Polymeric Carriers for Pulmonary Drug Delivery

## Message from the Guest Editors

In recent decades, nanocarriers are increasingly being used to deliver therapeutically active compounds into the pulmonary system in order to fulfill several requirements, including shielding drug degradation, drug loading ability, sustained release, biodegradation. and biocompatibility, as well as formulation stability during nebulization using various nebulizers. Various lipid-based formulations meet these requirements and have successfully delivered APIs (active pharmaceutical ingredients) into the pulmonary system. These include liposomes and proliposomes, transferosomes and protransferosomes, ethosomes, solid lipid nanoparticles, and nanostructured lipid carriers. Lipid nanoparticles are a promising research avenue for the delivery of hydrophobic drugs. Novel inhalation therapies have been introduced to treat pulmonary disorders, particularly asthma, chronic obstructive pulmonary disease, and cancers.

#### **Guest Editors**

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### Deadline for manuscript submissions

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