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Recent Advances in Inhalation Therapy

Guest Editors:

Dr. Luca Casula

Unit of Drug Sciences,
Department of Life and
Environmental Sciences,
University of Cagliari, 09124
Cagliari, Italy

Dr. Francesco Lai

Department of Life and
Environmental Sciences,
University of Cagliari, 09124
Cagliari, Italy

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Message from the Guest Editors

In recent years, the pharmaceutical technology field has witnessed remarkable improvements, revolutionizing the approaches to and administration of drugs for respiratory conditions. The benefits of inhalation therapy include non-invasiveness, rapid onset, reduced local metabolic enzymes and localized drug delivery. The goal of this Special Issue is to collect the most recent advancements and cutting-edge discoveries in the field of inhalation therapy. These include, but are not limited to, the development of specific formulations for delivery to the lungs, investigations on the pulmonary drug delivery process and pulmonary deposition *in vitro*, *in silico* and *in vivo*, and the creation of innovative inhaler devices. Moreover, studies focused on advanced delivery strategies for drugs and biopharmaceuticals, such as the use of nanotechnology (nanosuspensions, liposomes and others nanocarriers) and inhalable microparticles, are highly welcomed.

This Special Issue will include original research and thematic reviews on any aspects related to the above-mentioned topics. Expert opinions on clinical translation and speculative hypotheses on debated topics are also invited.





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Prof. Dr. Amélia Pilar Rauter

Departamento de Química e Bioquímica (DQB) e Centro de Química Estrutural (CQE), Institute of Molecular Sciences, Faculdade de Ciências, Universidade de Lisboa, Lisboa, Portugal

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Pharmaceuticals Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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