

## Special Issue

# Nanoparticles in Inhaled Drug Delivery

### Message from the Guest Editor

Drug delivery directly into the lungs is an efficient method to achieve both local and systemic effects for therapeutic agents. The use of nanoparticulate drugs has been found to resolve various challenges in drug delivery, especially to cancer cells. Nanoparticles of the polymer–drug conjugate, polymer-encapsulated drug, solid lipid nanoparticles, and drug-loaded liposomes are very commonly used nanomedicines targeted for lung delivery. Respiratory tract infections, especially lower respiratory tract infections (LRTIs), are a leading cause of death and morbidity globally. There is an urgent need to develop effective new antibiotic delivery approaches in respiratory tract infections that allow accurate targeting of pathogens with enhanced bacterial killing, especially resistant bacteria without off-target adverse effects.

The Special Issue of the International Journal of Molecular Sciences entitled “Nanoparticles in Inhaled Drug Delivery” focuses on the studies of inhaled nanoparticulate drugs for the management of various diseases.

In this Special Issue, original research articles and critical reviews are welcome.

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### Guest Editor

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### Deadline for manuscript submissions

closed (20 July 2025)



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### Message from the Editor-in-Chief

The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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### Editor-in-Chief

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