

Special Issue

Pharmaceutical Powders for Respiratory Drug Delivery

Message from the Guest Editor

Dry powder for respiratory drug delivery has attracted extensive attention in the field of innovative pharmaceutical product design. However, pulmonary and intranasal delivery of biologics, i.e., vaccines, therapeutic peptides and proteins, and high-dose active pharmaceutical ingredients, i.e., antibiotics, antibacterial and antiviral drugs, are still challenging. To tackle such problems, innovative strategies of formulation design, pharmaceutical process and engineering, as well as powder characterization methods, are urgently required. Moreover, investigation of the structure regulation and pulmonary/intranasal delivery performance of inhalable dry powder should be involved. This Special Issue aims to highlight recent advances in the fabrication and characterization methods of pharmaceutical powders for respiratory drug delivery. Research areas may include (but are not limited to) the following:

- Quality-by-Design (QbD) strategies;
- Innovative pharmaceutical process and engineering;
- Advanced powder characterization method;
- High-dose respiratory drug delivery;
- Inhaled nanomedicines;
- Inhaled vaccines of dry powder.

Guest Editor

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Message from the Editor-in-Chief

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Editor-in-Chief

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