

## Special Issue

# Cutting-Edge Approaches to Smart Pharmaceuticals and Vaccine Development

### Message from the Guest Editor

The development of smart pharmaceuticals and next-generation vaccines is reshaping the future of modern medicine. This Special Issue, entitled “Cutting-Edge Approaches to Smart Pharmaceuticals and Vaccine Development”, seeks to compile reviews and original research articles that explore the formulation together with the pharmaceutical application of advanced therapeutics, including immunization platforms. Emphasis will be placed on biomimetic approaches, smart delivery systems, and nanotechnology-driven innovations that improve immunogenicity and pharmacokinetic parameters and reduce the adverse effects associated with conventional pharmacotherapy, thus increasing compliance, adherence, and response to treatment. Furthermore, we encourage contributions that discuss the translational potential of mRNA and DNA vaccines and AI-assisted therapeutic/pharmaceutical discoveries. By providing a comprehensive overview of current progress that spans from fundamental science to clinical applications, this Special Issue aims to foster interdisciplinary dialogue and identify future directions in the vast domains of pharmacy and vaccinology/immunology.

### Guest Editor

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## Pharmaceutics

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### Message from the Editor-in-Chief

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