

## Special Issue

# Biomedical Applications of Nanocarriers in Targeted Delivery of Bioactive Compounds

### Message from the Guest Editors

This Special Issue aims to explore the innovative use of nanocarriers in drug delivery systems, emphasizing their potential to improve the bioavailability, stability, and controlled release of bioactive compounds. This Special Issue focuses on designing, characterizing, and functionalizing nanocarriers to deliver various bioactive compounds, including natural compounds, such as carotenoids, polyphenolic compounds, terpenes, peptides, and proteins. The research included in this Special Issue should also investigate advances in targeting strategies, such as ligand–receptor interactions, surface modifications, stimuli-responsive delivery systems, biomaterials, and methodologies. Emphasis is placed on overcoming challenges related to oral administration, absorption, biodistribution, toxicity, and immune responses. The goal is to provide a comprehensive understanding of how nanocarriers can revolutionize treatment regimens in diseases like cancer, diabetes, cardiovascular diseases, neurological disorders, and infections, thus advancing pharmaceutical sciences and precision medicine.

### Guest Editors

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### Message from the Editor-in-Chief

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