Special Issue

Antibiotic Drug Delivery Systems

Message from the Guest Editors

This Special Issue aims to highlight recent advancements and explore new methodologies in the targeted and efficient delivery of antibiotics. By focusing on novel drug carriers, such as nanoparticles, liposomes, and prodrugs, alongside intelligent design principles that enhance solubility, stability, and tissue penetration, this collection of research articles and reviews addresses the critical need for improved therapeutic efficacy and reduced side-effects. This Special Issue also delves into the importance of understanding the mechanisms by which these systems interact with pathogens and the host immune response, paving the way for more personalized and effective treatments. As we stand at the precipice of a post-antibiotic era, this compilation underscores the importance of multidisciplinary approaches in combating resistance and restoring the power of life-saving drugs. This Special Issue serves not only as a state-of-the-art overview but also as a beacon guiding future research directions in antibiotic delivery systems. In this Special Issue, original research articles and reviews are welcome to be submitted. We look forward to receiving your contributions.

Guest Editors

Dr. Aaron J. Courtenay

Dr. Deborah Lowry

Dr. Jessica V. Moore

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Message from the Editor-in-Chief

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Editor-in-Chief

Prof. Dr. Patrick J. Sinko
Department of Pharmaceutics, Ernest Mario School of Pharmacy, Rutgers University, Piscataway, NJ 08854, USA

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