Special Issue

Antimicrobial-Loaded Nanoparticles: Counteraction of Biofilm Formation and Antibiotic Resistance

Message from the Guest Editor

This Special Issue of *Antibiotics* aims to provide a panorama of the newest research studies concerning the delivery of antibiotics with engineered nanosystems. Scientific contributions showing innovative formulation strategies to deliver antimicrobial molecules of synthetic and natural origin, studies illustrating the in vitro/in vivo efficacies and the physicochemical properties of such nanodelivery systems, and studies describing antibiotic-loaded nanosystems specifically designed to circumvent the biofilm barrier are welcome. **Keywords:** Infectious diseases; Antibiotic resistance; Nanodrug delivery systems; Nanotechnology; Controlled release; Targeted drug delivery

Guest Editor

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Deadline for manuscript submissions

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Message from the Editor-in-Chief

There are very few fields that attract as much attention as scientific endeavor related to antibiotic discovery, use and preservation. The public, patients, scientists, clinicians, policy-makers, NGOs, governments, and supra-governmental organizations are all focusing intensively on it: all are concerned that we use our existing agents more effectively, and develop and evaluate new interventions in time to face emerging challenges for the benefit of present and future generations. We need every discipline to contribute and collaborate: molecular, microbiological, clinical, epidemiological, geographic, economic, social scientific and policy disciples are all key. *Antibiotics* is a nimble, inclusive and rigorous indexed journal as an enabling platform for all who can contribute to solving the greatest broad concerns of the modern world.

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