

Special Issue

Nanotechnology for Antimicrobials in Medicine and Agriculture

Message from the Guest Editors

Currently, viral, fungal, or bacterial infections are a major concern for human health, and also for agriculture and food production. Pathogenic microorganisms can cause chronic infections and mortality as has been recently observed with COVID-19. On the other hand, for the food production, the presence of infections translates into crop damages and enormous economic losses. Driven by the depletion of effective treatments and antibiotic or pesticide resistance due to their excessive use, research on new antimicrobials has seen explosive growth. In this regard, nanomaterials have attracted special attention because of their broad spectrum—e.g., antibacterial, antifungal, or antiviral—which has resulted in significant developments in the science of the control of pathogenic microorganisms. The key motivation behind this Special Issue on “Nanotechnology for Antimicrobials” is to collect knowledge regarding the research and development of nanomaterials that open new possibilities for effective treatment of diseases from a medical or agricultural point of view.

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About the Journal

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 disciplines 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.

Editor-in-Chief

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