

Special Issue

Novel Antibacterial Drugs: Discovery, Synthesis and Design

Message from the Guest Editor

Random mutations cause genetic variations in microorganisms, so the emergence of antimicrobial resistance is a natural evolutionary process; however, external selective pressures, such as exposure to antimicrobial agents in healthcare, agriculture, and the environment, can accelerate the dissemination of these genes. Antimicrobial resistance threatens, at alarming levels, the limited treatment options available and portends one of the greatest global public health crises. This situation becomes especially urgent when one notices the lack of new antibiotics under development. In view of this situation, the search for new antibacterial compounds becomes urgent, and this Special Issue will accept original research articles and reviews that highlight the discovery, synthesis, and design of novel antibacterial agents, essential initiatives through which to limit the dissemination of multidrug-resistant microorganisms and ensure the adequate treatment of exposed populations, preventing associated human losses.

Guest Editor

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The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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