

Special Issue

Discovery of Novel Plant-Derived Compounds with Antibacterial Activities

Message from the Guest Editor

The increasing unnecessary use of antibiotics accelerates the evolution of pathogenic bacteria. As a consequence, a large number of drug-resistant bacteria and multidrug-resistant bacteria have continued to appear in recent years. There is a trend towards utilizing plant-derived compounds, applied in various antibacterial infections field, including pharmaceutical drug delivery, clinical therapies, surgeries, cosmetics, medical devices, marketed products, and much more. This Special Issue seeks to capitalize on this trend to highlight a myriad of novel plant-derived antibacterial compounds. We invite both reviews and original articles that shed light on past challenges via the use of natural plant-derived compounds to combat bacterial infections. Potential topics include but are not limited to: plant-derived small molecules and their nanoparticles; biocompatible and biodegradable plant-derived polymers; natural hydrogels, which act as multifunctional biomaterials; drug delivery carriers or regulatory platforms, with applications that range curing bacterial infections to enhancing therapies, as well as tissue engineering and regenerative medicine.

Guest Editor

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Deadline for manuscript submissions

closed (30 June 2023)



Pharmaceuticals

an Open Access Journal
by MDPI

Impact Factor 4.8
CiteScore 7.7
Indexed in PubMed



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Message from the Editor-in-Chief

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Editor-in-Chief

Prof. Dr. Amélia Pilar Rauter

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