Special Issue

Antibacterial Agents 2021

Message from the Guest Editor

Multidrug-resistant (MDR) bacteria are one of the highest threats to health worldwide. The most important drugs currently in clinical use were introduced in the period between the 1950s and 1980s. A lack of established treatment guidelines for MDR bacterial infections and misuse of drugs that cause mutations in bacterial genomes have led to an increase in antibiotic resistance.

The aim of this Special Issue is to cover recent advances in the discovery of antibacterial agents. This Special Issue may include original research articles and reviews on drug targets, medicinal chemistry, new chemical entities, structural biochemistry of unexploited targets, phage therapy, vaccine, new formulations, drug delivery, pharmacokinetics and dynamic aspects, and new strategies to use approved drugs.

- antibacterial agents
- medicinal chemistry
- antibacterial drug discovery
- antibacterial pharmacology
- rational drug design of antibacterial agents
- antibacterial drug delivery
- structural biochemistry

Guest Editor

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Deadline for manuscript submissions

closed (31 December 2021)

Molecules

an Open Access Journal by MDPI

Impact Factor 4.6
CiteScore 8.6
Indexed in PubMed

mdpi.com/si/64148

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Message from the Editor-in-Chief

As the premier open access journal dedicated to experimental organic chemistry, and now in its 25th year of publication, the papers published in *Molecules* span from classical synthetic methodology to natural product isolation and characterization, as well as physicochemical studies and the applications of these molecules as pharmaceuticals, catalysts and novel materials. Pushing the boundaries of the discipline, we invite papers on multidisciplinary topics bridging biochemistry, biophysics and materials science, as well as timely reviews and topical issues on cutting edge fields in all these areas.

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