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Synthesis of Novel Heterocyclic Compounds and Evaluation of Their Antimicrobial Activity

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Deadline for manuscript submissions:
closed (20 May 2023)

Message from the Guest Editors

Heterocyclic individuals are expected to be good candidates for antimicrobial agents against infectious diseases caused by all classes of microbes, which constitute a significant percentage of all diseases affecting humanity. Potential epidemics are difficult to control, often with tragic consequences.

Therefore, the use of heterocyclic compounds, both those of completely new structures and so-called repositioned entities, to combat microbial infections of various types seems to be one of the key research directions of new small-molecule chemical drugs.

This Special Issue is dedicated to presentation of results of latest research on different kinds of heterocyclic compounds, their modern and rational synthesis, general progress, and trends in heterocyclic chemistry. We would like to kindly invite researchers from all over the world to submit their original results or reviews featuring recent developments in the area of heterocyclic derivatives use to fight malicious pathogenic microbes.

- heterocyclic chemistry
- heterocyclic natural products
- heterocyclic hybrids
- heterocyclic scaffolds
- drug design
- antimicrobial activity
- biological activity

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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