

# Special Issue

## The New Antibiotics

### Message from the Guest Editors

The growing development of antibiotic-resistant microorganisms has increased the demand for new antibiotics. In this sense, the searching for new molecules of a different chemical nature with antimicrobial capacity against pathogens that affect living beings is a necessity. Bacteria such as *Acinetobacter*, *Pseudomonas*, and several Enterobacteracia, which cause severe nosocomial infections that can result in death, have been included in the most critical group by the WHO due to multidrug resistance. The WHO list includes two other categories according to the urgency of the need for new antibiotics. On the other hand, predominant nosocomial fungal pathogens, such *Candida* spp., *Aspergillus* spp., *Mucorales*, *Fusarium* spp., and other molds, have been listed by the WHO. The study of antimicrobial compounds acting against bacterial or fungal pathogens and their mechanisms of action has gained importance. In this Special Issue, we want to focus on this global problem, reporting new compounds with high antimicrobial capacity that can combat dangerous pathogens with high resistance to currently used antibiotics.

### Guest Editors

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## Microorganisms

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"Microorganism" merges the idea of the very small with the idea of the evolving reproducing organism is a unifying principle for the discipline of microbiology. Our journal recognizes the broadly diverse yet connected nature of microorganisms and provides an advanced publishing forum for original articles from scientists involved in high-quality basic and applied research on any prokaryotic or eukaryotic microorganism, and for research on the ecology, genomics and evolution of microbial communities as well as that exploring cultured microorganisms in the laboratory.

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