



Research on Antimicrobial Activity of Natural Products, Second Edition

Guest Editors:

Dr. Rosário Martins

Dr. Maria De Fátima Carvalho

Dr. Mónica Vieira

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Message from the Guest Editors

Microbial infections are responsible for millions of deaths every year and worldwide. The increased resistance to antimicrobial drugs, such as antibiotics, is the main cause and is one of the biggest challenges in human and animal health and in food safety. It is well known that human pathogenic microorganisms resistant to major classes of antibiotics have increased. Therefore, the search for the discovery of new antimicrobial agents is in urgent demand.

Finding therapeutic powers in nature is an ancient but increasingly actual idea. In recent years, strategies to overcome the resistance of antibiotics have been suggested, namely the use of phytochemicals. Natural compounds have already proved to be effective and safe sources of antimicrobial compounds and eco-friendly methodologies focused on reducing the growth of pathogenic microorganisms. This Special Issue is directed to ethnopharmacologists, botanists, microbiologists, and natural-products chemists working on developing new approaches for the treatment of infectious diseases. Papers based on the investigation of new sources of natural antimicrobial compounds or mechanisms of action of natural compounds are most welcome.





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Editor-in-Chief

Dr. Nico Jehmlich

Department of Molecular
Systems Biology, UFZ-Helmholtz
Centre for Environmental
Research, 04318 Leipzig,
Germany

Message from the Editor-in-Chief

"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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Contact Us

Microorganisms Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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