

Special Issue

Recent Research and Developments in Antimicrobial Natural Products

Message from the Guest Editor

Recent Research and Developments in Antimicrobial Natural Products highlights the latest advances in the discovery, characterization, and application of natural product-derived antimicrobials in the era of antimicrobial resistance. This Special Issue brings together studies on bioactive compounds from plants, microbes, marine organisms, and antimicrobial peptides, with a focus on novel structures, mechanisms of action, optimization strategies, and translational potential. This Special Issue welcomes original research, reviews, and perspectives on natural product-derived antimicrobials from plants, microbes, marine organisms, and antimicrobial peptides, as well as studies on mechanisms of action, structure optimization, and translational applications. We particularly encourage submissions that explore emerging approaches such as AI-assisted discovery, omics-based screening, synthetic biology, and novel bioprospecting strategies. We invite the scientific community to contribute their latest findings and insights toward advancing the development of next-generation antimicrobial agents.

Guest Editor

Prof. Dr. Ki-Young Kim

Graduate School of Biotechnology, Kyung Hee University, Seocheon, Giheung, Yongin 1732, Gyeonggi-do, Republic of Korea

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Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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Message from the Editor-in-Chief

The *International Journal of Molecular Sciences (IJMS)* is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, and molecular biophysics. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

Editor-in-Chief

Prof. Dr. José L. Quiles

Department of Physiology, Institute of Nutrition and Food Technology
"Jose Mataix", Biomedical Research Center, University of Granada,
Avda. Conocimiento s/n, 18100 Armilla, Granada, Spain

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