Special Issue

Advances in Natural Antimicrobial Compounds: Discovery, Synthesis, Characterization, and Application

Message from the Guest Editors

Antimicrobial resistance is gaining more attention as one of the greatest threats to the prevention and treatment of an increasing number of infections. Thus, there is a pressing need for the continuous supply of novel antibiotics to combat such diseases. At present, the high occurrence of resistance to all major classes of known antibiotics represents a new challenge, and new classes of antibacterial compounds are urgently required to respond to this unmet clinical need. Natural resources such as microorganisms, plants, and animals are used to extract novel compounds, of which microbes are a major source of new antimicrobial agents. This Special Issue aims to explore natural antimicrobial compounds, emphasizing their synthesis, characterization, and diverse applications in clinical and environmental contexts within the framework of the One Health approach.

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Deadline for manuscript submissions

closed (30 October 2025)

Applied Sciences

an Open Access Journal by MDPI

Impact Factor 2.5
CiteScore 5.5

mdpi.com/si/234659

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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.

Editor-in-Chief

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