



Benefits of Antimicrobial Phytoextracts in the Fight to Foodborne Pathogens

Guest Editors:

Dr. Caterina Pagliarulo

Department of Science and Technology, Università degli Studi del Sannio, Benevento, Italy

Dr. Daniela Sateriale

Department of Science and Technology, Università degli Studi del Sannio di Benevento, Benevento, Italy

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Message from the Guest Editors

Since ancient times, plants with therapeutic properties have secured an important place in healing practices and the treatment of diseases. In developing countries, traditional phytotherapeutic medicine is still a pillar of healthcare today and most health problems rely on natural therapeutic solutions that have local plants as a resource. With the beginning of the post-antibiotic era (Antimicrobial resistance: global report on surveillance. WHO, 2014), the spread of antibiotic resistance even among food pathogens, herbal medicines have been widely re-evaluated and have gained a fundamental role in all global health programs, even those of highly industrialized countries.

Compared to chemical preservatives, phytoextracts generally have a broad-spectrum activity, wide availability at low cost, especially if obtained from agri-food industry waste, minimal danger and ecological footprint. Therefore, knowledge about antimicrobial botanical agents, their chemical characterization, the precise mechanism of action, details on efficacy and safety profile can help in the biological control of foodborne pathogens in eco-friendly strategies.





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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

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Microorganisms Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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