

## Special Issue

# Antibacterial Activity of Plant Extracts

### Message from the Guest Editors

Over recent years, the efficacy of antibiotics has decreased, mainly due to the emergence of drug-resistant micro-organisms. Medicinal plants have been a target of intensive research, given their richness in several phytochemicals (e.g., phenolics, volatile organic compounds) which can work as synergic and offer many benefits, including improving the efficacy of conventional pharmaceuticals, decreasing their side effects, and counteracting multidrug resistance. Topics include, but are not limited to:

- Antibacterial properties of characterized plant extracts (e.g., essential oils, infusions, hydroethanolic extracts, ...) against determined human diseases;
- Biological potential of phytochemicals extracted from plant extracts, alone or combined with other active ingredients and/or antibiotics;
- Strategies and new technologies to enhance the antibacterial potential of plant extracts, e.g., their (nano)encapsulation with liposomes;
- The structure–activity relationship between the antibacterial activity and phytochemicals content;
- Health-promoting properties and practical use of antibacterial phytochemicals.

### Guest Editors

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### Deadline for manuscript submissions

closed (20 September 2023)



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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.

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### Editor-in-Chief

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