

Special Issue

Novel Research on Antibacterial Activity of Plant Extract and Essential Oils

Message from the Guest Editor

Currently, there is a growing interest in plant products that benefit human health. Plant extracts and essential oils are examples of plant-derived products composed of a wide range of phytochemicals possessing a broad spectrum of biological effects. The use of plant-derived products in the pharmaceutical, food, and cosmetic industries is increasing and reducing the risk of microbial infections. They serve as a substitute for commonly prescribed synthetic preparations, for which a number of undesirable side effects have been described. The advantages of preparations based on plants are lower toxicity, lower risk of a negative impact on the environment due to their biodegradability, and chemical diversity. The papers in this Special Issue will provide up-to date literature analysis and newly generated experimental data that are obtained through innovative approaches for evaluating the antimicrobial effectiveness of plant extracts and essential oils. This information should be useful for medicinal, pharmaceutical, food, and agricultural experts working in areas related to the management of infectious disease, food preservation, and the protection of agriculture products.

Guest Editor

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Message from the Editor-in-Chief

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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