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Antimicrobial Activity of Essential Oils

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Message from the Guest Editors

Essential oils (EOs) are the most important secondary metabolite of plants' normal growth. Essential oils and their main components have many applications in popular medicine, food and beverage preservation, cosmetics, as well as in the fragrance and pharmaceutical industries. The majority of essential oils have a generally recognized as safe (GRAS) designation and possess a low risk for developing resistance to pathogenic microorganisms. Considering increased pathogen resistance and a wide range of infections caused by multidrug-resistant (MDR) microorganisms, investigations into the broad spectrum, mode of action, and potential uses of the antimicrobial activities of essential oils and their components have been given new impetus.

Therefore, this Special Issue focuses on the possible useful antibacterial activities of essential oils to control infections and biofilm formation by drug resistant microorganisms in areas such as human and veterinary medicine and the food industry.

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Message from the Editor-in-Chief

There are very few fields that attract as much attention as scientific endeavor related to antibiotic discovery, use and preservation. The public, patients, scientists, clinicians, policy-makers, NGOs, governments, and supra-governmental organizations are all focusing intensively on it: all are concerned that we use our existing agents more effectively, and develop and evaluate new interventions in time to face emerging challenges for the benefit of present and future generations. We need every discipline to contribute and collaborate: molecular, microbiological, clinical, epidemiological, geographic, economic, social scientific and policy disciples are all key. *Antibiotics* is a nimble, inclusive and rigorous indexed journal as an enabling platform for all who can contribute to solving the greatest broad concerns of the modern world.

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