

Special Issue

Antiparasitic Essential Oils: Mechanisms of Action, Technological Approaches, and Metabolism

Message from the Guest Editor

Aromatic plants and their volatile constituents are prominent sources of bioactive compounds and have been investigated for various applications in human health and biotechnology. Essential oils derived from plants are a mixture of volatile and low-molecular-weight constituents. These products cross the biological membranes of microorganisms and parasites, disrupting cellular components and systems essential to life. The antiparasitic action of these oils and volatile compounds in animal models and/or in vitro, aspects of metabolism, and pharmaceutical technology-based approaches are key topics of debate in the development of new drugs. Therefore, this Special Issue represents an opportunity to discuss this class of natural products and their relevance in the discovery of antiparasitic drugs, as well as their mechanisms of action and pharmaceutical applications, with the aim of discovering new therapeutic agents against protozoa and helminths responsible for diseases in animals and humans.

Guest Editor

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Editor-in-Chief

Prof. Dr. Amélia Pilar Rauter

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