

Special Issue

Chemical Composition and Anti-Inflammatory Activity of Essential Oils

Message from the Guest Editor

The plant kingdom is the main source of chemical diversity from which thousands of organic compounds are produced, including the components of essential oils. The isolation and the chemical characterization of essential oils from plant species remains a fascinating challenge for natural product researchers. The present Special Issue will mainly address, but not exclusively, the more recent results concerning new applications related to the anti-inflammatory activity of essential oils and the investigation of the mechanism of action of the whole complex mixture, as well as of the pure components both at post-transcriptional and post-translational levels. A clarification of the well-known synergistic paradigm, i.e., the entire essential oil being more effective than its pure main components, is strongly welcome.

Guest Editor

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Message from the Editor-in-Chief

As the premier open access journal dedicated to experimental organic chemistry, and now in its 25th year of publication, the papers published in *Molecules* span from classical synthetic methodology to natural product isolation and characterization, as well as physicochemical studies and the applications of these molecules as pharmaceuticals, catalysts and novel materials. Pushing the boundaries of the discipline, we invite papers on multidisciplinary topics bridging biochemistry, biophysics and materials science, as well as timely reviews and topical issues on cutting edge fields in all these areas.

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