Special Issue

Chemistry of Essential Oils: The Incredible Wealth of Plants

Message from the Guest Editor

Known for millennia, essential oils are still the subject of numerous studies. These extracts obtained by hydrodistillation, steam distillation, dry distillation and expression from plants are very complex mixtures of metabolites. With the development of green chemistry and the resurgence of consumer interest in natural products, essential oils are of increasing interest to the scientific community. The present Special Issue, "Chemistry of essential oils: the incredible wealth of plants", aims to collect and publish recent advances in this interdisciplinary area. Reviews and research articles dealing with innovative extraction and analytical techniques, ecoextraction, original procedures, essential oils composition and biology are encouraged, as well as valorization in various areas such as perfume, aroma, cosmetics, human and animal drugs, and biocontrol. In terms of dissemination, this Special Issue is aiming to provide some guidelines for good practice and reporting in several areas: analytical chemistry, natural product chemistry, food processing, pharmaceutical chemistry, agricultural products, functional foods, nutraceuticals, cosmetics, bioeconomy, etc.

Guest Editor

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Message from the Editor-in-Chief

As the premier open access journal dedicated to molecular chemistry, now in its 29th 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 all major fields of molecular chemistry and multidisciplinary topics bridging chemistry with biology, physics, and materials science, as well as timely reviews and topical issues on cutting-edge fields in all of these areas.

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