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Exploiting the Biochemical Properties of Essential Oils for Healthy Products

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Deadline for manuscript
submissions:

closed (18 October 2023)

Message from the Guest Editors

Essential oils (EOs) are special natural secondary metabolites comprising hundreds of multifunctional molecules. EOs have increasing applications by demand from major end-use industries including food, pharmaceutical, cosmetics and personal care, aromatherapy, and traditional medicine.

This Special Issue is intended to cover the applications of the EOs, mainly:

- Agriculture (insecticide, acaricide, fungicide, herbicide, probiotic, etc.).
- Aquaculture (antibiotic, anesthetic, defense induction, probiotic, etc.).
- Food adjuvant and gourmet cuisine (odorants, preservatives, etc.).

Papers on the development of EO-based products in the abovementioned fields, including proof of concept papers, case studies and success cases, are especially welcome. In addition, the following topics are greatly encouraged:

- Formulation and delivery.
- New biologically relevant chemical space of EOs, isolation and biotechnological processes. SAR/QSAR studies.
- Synergy, optimization, and expansion of EO-based LEADs.
- New MoAs involving EOs and their main components.
- New chemotypes and identification studies.



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Special Issue

- Omics integration to study the EOs biological space.



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Message from the Editor-in-Chief

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