

Special Issue

Exploiting the Biochemical Properties of Essential Oils for Healthy Products

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 domestication success.
- Marine sources of EOs.
- Omics integration to study the EOs biological space.

Guest Editors

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Deadline for manuscript submissions

closed (18 October 2023)



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Message from the Editor-in-Chief

Life (ISSN 2075-1729) is an international, peer-reviewed open access journal that publishes scientific studies related to fundamental themes in life sciences. Some papers are published individually, while others are submitted for inclusion in special issues with guest editors. You are invited to contribute a research article, essay, or a review to be considered for publication.

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