

## Special Issue

# Prospects of Essential Oils in Drug Discovery

### Message from the Guest Editors

Plant-derived essential oils (EOs) have been used since ancient times and their antioxidant, antibacterial, antifungal activities have been recognized. However, despite the advances in recent decades on the use of EO in regular medicines, they are still considered as products to be used only in complementary and alternative medicine. Nevertheless, nowadays, in silico, in vitro, and in vivo studies, as well as evaluation of selected physicochemical parameters used in conventional drug discovery, have proved that many EO components meet requirements for good drug candidates. The topics covered by this issue include in silico, in vitro, and in vivo studies on the application of essential oils and compounds thereof that demonstrate the potential of EOs and their compounds thereof as drug candidates for the treatment of a wide range of diseases, including cancer, diabetes, cardiovascular, and neurodegenerative diseases. The antimicrobial, antiparasitic, antioxidant, anticancer, anti-inflammatory, and cytotoxic effects of essential oils and their major compounds, as well as their action mechanisms, will be also considered.

### Guest Editors

Prof. Dr. Antonio Eduardo Miller Crotti

Department of Chemistry, Faculty of Philosophy, Sciences, and Letters at Ribeirão Preto, University of São Paulo, Ribeirão Preto 14040-901, Brazil

Prof. Dr. Eliane de Oliveira Silva

Chemistry Institute, Department of Organic Chemistry, Federal University of Bahia, Salvador, Bahia 40170-115, Brazil

### Deadline for manuscript submissions

closed (31 August 2022)



## Pharmaceuticals

an Open Access Journal  
by MDPI

Impact Factor 4.8  
CiteScore 7.7  
Indexed in PubMed



[mdpi.com/si/111351](https://mdpi.com/si/111351)

*Pharmaceuticals*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[pharmaceuticals@mdpi.com](mailto:pharmaceuticals@mdpi.com)

[mdpi.com/journal/  
pharmaceuticals](https://mdpi.com/journal/pharmaceuticals)





# Pharmaceuticals

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.8  
CiteScore 7.7  
Indexed in PubMed



[mdpi.com/journal/  
pharmaceuticals](https://mdpi.com/journal/pharmaceuticals)



## About the Journal

### Message from the Editor-in-Chief

Because of your expertise in the field of drug sciences, I kindly invite you to consider publishing your current work, in the form of a research article or a review, in the open access electronic journal *Pharmaceuticals*. *Pharmaceuticals* is characterized by an active editorial board and a dynamic editorial staff. Manuscripts are peer-reviewed and a final decision is provided to authors within 4–6 weeks after submission. Papers are published on the web immediately after acceptance. For details on the submission process or any other matter, please do not hesitate to contact us. We hope to handle your contribution to *Pharmaceuticals* soon.

---

### Editor-in-Chief

Prof. Dr. Amélia Pilar Rauter

Departamento de Química e Bioquímica (DQB) e Centro de Química Estrutural (CQE), Institute of Molecular Sciences, Faculdade de Ciências, Universidade de Lisboa, Lisboa, Portugal

---

### Author Benefits

#### Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

#### High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, PMC, Embase, CAPlus / SciFinder, and other databases.

#### Journal Rank:

JCR - Q1 (Pharmacology and Pharmacy) / CiteScore - Q1 (Pharmaceutical Science)