

Special Issue

Promising Natural Products with Anti-Inflammatory and Antioxidant Bioactivities: Extraction, Identification, and Biological Evaluation

Message from the Guest Editors

Nature has long served as a rich and innovative source of inspiration for pharmaceutical discovery. Naturally derived bioactive compounds often exhibit potent anti-inflammatory and antioxidant properties. These molecules interact with various cellular targets, modulating key biological processes such as the production of pro-inflammatory mediators and the regulation of antioxidant defense systems. These mechanisms are closely associated with the prevention and management of numerous chronic conditions, including immune-mediated disorders, dermatological diseases, and metabolic syndromes.

This Special Issue aims to compile cutting-edge research and comprehensive reviews on innovative and sustainable extraction techniques, advanced analytical methodologies, and the biological validation of natural compounds with anti-inflammatory and/or antioxidant activity, using relevant *in vitro* and *in vivo* models. Contributions focusing on natural products derived from plants, mushrooms, marine organisms, bee products, and related by-products are especially welcome.

Guest Editors

Dr. Sara Vieira

CIMO, LA SusTEC, Instituto Politécnico de Bragança, Campus de Santa Apolónia, 5300-253 Bragança, Portugal

Dr. Lillian Barros

CIMO, LA SusTEC, Instituto Politécnico de Bragança, Campus de Santa Apolónia, 5300-253 Bragança, Portugal

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Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
pharmaceuticals@mdpi.com

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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

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