

Special Issue

Analysis, Characterization and Antioxidant Activity of Natural Products

Message from the Guest Editors

Natural antioxidant molecules, including carotenoids, anthocyanins, vitamins, phenolic compounds and essential oils, can be incorporated into a broad variety of foods to minimize oxidation, enhance the overall quality of the product. Supplementation of bioactive compounds could mitigate cellular oxidative stress, which is a hallmark of several disorders, including inflammatory and cardiovascular diseases. Additionally, recent research investigated the effectiveness of natural bioactive chemicals that target pathogenic bacteria, viruses, and fungi. The present Special Issue aims to collect original research papers, reviews, and clinical trials covering all aspects of analysis, characterization, antioxidant activity, biological properties, and health effects of natural products. Recent developments in research, including papers or reviews, on the investigation and potential uses of natural antioxidants for the development of sustainable food systems are welcome. Please take note that chemical characterization employing analytical techniques (i.e., MS, LC-MS, HPLC, HPLC-MS, and NMR) should be included in the case of complex combinations of natural products.

Guest Editors

Dr. Rodica Mărgăoan

Department of Animal Production and Food Safety, Faculty of Veterinary Medicine, University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca, Cluj-Napoca, Romania

Dr. Mihaiela Cornea-Cipcigan

Department of Clinical and Paraclinical Sciences, Faculty of Veterinary Medicine, University of Agricultural Sciences and Veterinary Medicine, Cluj-Napoca, Romania

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Applied Sciences
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
appls-ci@mdpi.com

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo
Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32,
20133 Milano, Italy

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