

Special Issue

Advances in Natural Products: Extraction, Bioactivity, Biotransformation, and Applications

Message from the Guest Editors

Natural products, derived from a wide variety of biological sources including higher plants, algae, and microorganisms, have gained significant attention due to their structural diversity and promising bioactivities. This Special Issue aims to highlight the latest advancements in the extraction, characterization, and valorization of natural products from medicinal and aromatic plants, edible and non-edible herbs, underutilized or discarded plant biomass, seaweeds, microalgae and microorganisms. We welcome original research and review articles that explore innovative and green extraction technologies, comprehensive phytochemical profiling, and structure–activity relationships. Additionally, special attention will be given to studies investigating the biological activities (e.g., antioxidant, antimicrobial, anti-inflammatory, cytotoxic, neuroprotective) of natural products, as well as those exploring biotransformation approaches to enhance their functionality, bioavailability, or stability. Manuscripts addressing the application of natural products in food, pharmaceutical, cosmetic, or agricultural formulations are also highly encouraged.

Guest Editors

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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

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