

Special Issue

Advances in the Biomedical Applications of Plants and Plant Extracts

Message from the Guest Editors

Plants have been integral to healing practices since ancient times, and their significance persists in contemporary drug development and modern medicine. According to surveys conducted by the World Health Organization (WHO), a substantial 80% of the global population continues to rely on plants or plant-derived preparations. Within plants and plant extracts, a plethora of beneficial active ingredients exists, offering a wide array of biomedical applications owing to their structural and biological diversity. Remarkably, only a small fraction—roughly 10–15%—of these plant-based compounds have undergone comprehensive chemical examination. This implies a vast reservoir of untapped potential for the medical and pharmaceutical utilization of plants. Considering the significance of plants as an unparalleled resource for medicinal purposes, our Special Issue aims to disseminate research findings that focus on exploring and utilizing newly discovered therapeutically active substances within the scientific community.

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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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