Special Issue

Medicinal Plants: From Health Benefits to Chemical Composition

Message from the Guest Editors

Medicinal plants play an integral part in traditional and orthodox healthcare systems due to their bioactive compounds. These plants offer therapeutic remedies for a wide range of diseases, including infections, metabolic disorders and chronic diseases. This Special Issue aims to support traditional health systems and economic development while minimizing negative impacts on the environment. Its core focus is on advancing research and development related to medicinal plants, and it provides a platform for disseminating reports on recent progress in medicinal plant usage. It will bring together scientists, researchers, industry specialists and users to exchange information. Topics of interest for this Special Issue include perspectives on medicinal plants, bioactive compounds, the isolation and characterization of chemical compounds and biological applications of medicinal plants.

Guest Editors

Dr. Foluso Oluwagbemiga Osunsanmi

Department of Biochemistry and Microbiology, University of Zululand, Private Bag X1001, KwaDlangezwa 3886, South Africa

Dr. Karuppusamy Arunachalam

Faculty of Medicine, Federal University of Mato Grosso do Sul, Campo Grande, Brazil

Deadline for manuscript submissions

20 February 2026



Applied Sciences

an Open Access Journal by MDPI

Impact Factor 2.5 CiteScore 5.5



mdpi.com/si/249847

Applied Sciences Editorial Office MDPI, Grosspeteranlage 5 4052 Basel, Switzerland Tel: +41616837734 applsci@mdpi.com

mdpi.com/journal/applsci





Applied Sciences

an Open Access Journal by MDPI

Impact Factor 2.5 CiteScore 5.5



About the Journal

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

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), Ei Compendex, Inspec, CAPlus / SciFinder, and other databases.

Journal Rank:

JCR - Q2 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering)

