

Special Issue

Nature's Pharmacy: Ethnobotanical Approaches to Medicinal Plant Research for the Discovery and Development of Potential Phytochemicals

Message from the Guest Editors

We welcome the submission of original research and review articles that explore the vast therapeutic potential of medicinal plants rooted in traditional knowledge systems, contributions that highlight the biological activity, mechanisms of action, and functional roles of plant-derived compounds in biological systems, including studies on in vitro and in vivo models that are relevant to basic biological processes. Particular emphasis will be placed on studies that enhance our understanding of how plant extracts and isolated compounds interact with molecular pathways, regulate gene expression, or modulate cellular behavior. The Special Issue also aims to present interdisciplinary approaches that encompass molecular biology, cell biology, systems biology, toxicology, and computational modeling (e.g., molecular docking, network pharmacology) as tools to elucidate the biological basis of plant-based activities.

Guest Editors

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Message from the Editorial Board

A major strength of biological science is the diversity of approaches that biological scientists apply to their research problems. *Biology* reflects this diversity and brings together studies employing the varied experimental and theoretical approaches that are fueling biological discovery. *Biology*, the journal, is a fully peer-reviewed publication with a rapid and economical route to open access publication and is listed on PubMed. All articles are peer-reviewed and the editorial focus is on determining that the work is scientifically sound rather than trying to predict its future impact.

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