

## Special Issue

# Medicinal Plants in Drug Discovery: Unveiling Potential Applications and Molecular Mechanisms

### Message from the Guest Editor

Medicinal plants have long served as a cornerstone of drug discovery, offering a rich reservoir of bioactive compounds with a diverse range of potential therapeutic benefits. This Special Issue will highlight recent advances in the identification, characterization, and clinical translation of natural compounds derived from medicinal plants. An emphasis will be placed on successful clinical applications, molecular targets, and the pharmacological mechanisms underlying their therapeutic effects. We welcome original research articles, reviews, and case studies exploring phytochemicals with proven efficacy in preclinical or clinical settings, studies revealing novel mechanisms of action, and contributions addressing formulations, bioavailability, and safety profiles. By bridging ethnopharmacology, molecular biology, and clinical pharmacology, this Special Issue will provide a comprehensive view of how nature-inspired molecules are shaping the future of modern medicine.

### Guest Editor

Dr. Abdelhakim Bouyahya

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## About the Journal

### Message from the Editor-in-Chief

The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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### Editor-in-Chief

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