

Special Issue

Bioactive Phytochemicals from Medicinal Plants: Formulation and Therapeutic Potential

Message from the Guest Editors

Advances in bioactive phytochemicals from medicinal plants reveal compounds with therapeutic potential for chronic diseases (diabetes, cardiovascular, neurodegenerative, cancer). Challenges include extract variability, stability, dosing, and delivery. This Special Issue collects research and reviews on standardized extraction, green processing, and quality control, emphasizing phytochemical synergy, optimized dosing (in vitro/in vivo), and integrating traditional knowledge with modern biopharmaceuticals.

We invite original research and reviews on:

Standardisation/quality control of medicinal-plant extracts

Stability/shelf-life of phytochemical formulations

Mechanistic studies on synergy and combinatorial effects

Integrating traditional medicine with modern formulations

Dose optimisation and safety profiling

In vitro antioxidant, anti-inflammatory, anticancer, neuroprotective, and cardiometabolic assays

In vivo efficacy of phytochemical formulations

Preclinical/clinical evidence in chronic diseases

Guest Editors

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