

Special Issue

The Use of In Vitro and In Vivo Models for Research on Bioactive Compounds

Message from the Guest Editors

Topical Collection gathering publications, communications, insightful and critical information, research results and opinions on the state-of-the-art investigations using in-vitro and in-vivo models as preclinical research stages for the investigation of potentially bioactive compounds.

The current challenges on the scientific validation of the functionality of bioactive compounds for health and wellbeing needs approaches and research results beyond the state-of-the-art, focused on the clarification, elucidation and investigation of the structure-function relationships and the design of better dietary and clinical interventions to back-up their potential functionality.

Development, establishment, and validation of in-vitro and in-vivo models for the study of health-promoting bioactive compounds at the physiological, biochemical and molecular level, in order to find the connection between the compounds in their natural matrices (extracted, purified or formulated), and the potential effects on health and wellbeing through improvements on bioaccessibility, bioavailability, metabolism, and bioactivity.

Guest Editors

Dr. Raúl Domínguez-Perles
Dr. Diego A. Moreno
Prof. Dr. Antonio J. Ruiz-Alcaraz

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Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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Prof. Dr. José L. Quiles
Department of Physiology, Institute of Nutrition and Food Technology
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