



Plant Extracts with Antihyperglycemic and Antidiabetic Effects

Guest Editor:

Prof. Dr. Mohamed Bouhrim

1. Bioengineering Laboratory, Faculty of Sciences and Techniques, Sultan Moulay Slimane University, Beni Mellal 23000, Morocco
2. Laboratoire TBC, Laboratory of Pharmacology, Pharmacokinetics, and Clinical Pharmacy, Faculty of Pharmaceutical and Biological Sciences, University of Lille, 3, rue du Professeur Laguesse, BP 83, F-59000 Lille, France

Deadline for manuscript submissions:

closed (30 June 2024)

Message from the Guest Editor

Dear Colleagues,

Diabetes mellitus is a chronic metabolic disease marked by high blood sugar levels due to abnormal insulin synthesis or action. Currently, the global prevalence of diabetes is 9.3%; this figure will reach 10.2% by 2030 and 10.9% by 2045. In diabetic patients, postprandial hyperglycemia is involved in plasmatic and cellular proteins which take part in the development of diabetes complications. In this regard, diabetes mellitus management requires accurate postprandial glycemic control through decreasing glucose absorption. Different treatments are currently used to manage diabetes, such as insulin, dietetic therapies, and pharmacotherapy. Since antiquity, people have used plants to perfume themselves, clothe themselves, feed themselves, and heal themselves. Indeed, thanks to the availability, low cost, and therapeutic effectiveness of these natural products, the population rate that uses medicinal plants to treat disease spills is high and estimated as 80%, according to a WHO report. This Special Issue will aim to study the antihyperglycemic and antidiabetic effects of medicinal plant extracts and shed light on the possible mechanisms of these effects.





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Dilantha Fernando
Department of Plant Science,
University of Manitoba, Winnipeg,
MB R3T 2N2, Canada

Message from the Editor-in-Chief

Plants is an open access journal which provides an advanced forum for research findings in areas related to plant function, its physiology, biology, taxonomy, stresses, and its interactions with other organisms. It publishes original research articles, reviews, reports, conference proceedings (peer reviewed full articles) and communications. In original research papers, it is important that full experimental details are provided. We also encourage timely reviews and commentaries on topics of interest to the plant research community.

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), PubMed, PMC, PubAg, AGRIS, CAPlus / SciFinder, and other databases.

Journal Rank: JCR - Q1 (Plant Sciences) / CiteScore - Q1 (Ecology, Evolution, Behavior and Systematics)

Contact Us

Plants Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/plants
plants@mdpi.com
[X@Plants_MDPI](https://twitter.com/Plants_MDPI)