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## The Role of Bioactive Compounds in Blood Glucose Control

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### Message from the Guest Editor

Dear Colleagues,

The control of glucose homeostasis represents the primary goal for the prevention of prediabetes, insulin resistance, and diabetes. Diabetes is a metabolic disease that is growing in incidence, and its control involves numerous challenges. The application of therapeutic strategies aiming to contrast hyperglycemia is essential; albeit many of the measures are based on improving life habits and pharmacological treatment, these interventions are often difficult to support due to several serious side-effects and fail to significantly alter the course of diabetic complications. Therefore, the development of novel strategies is necessary, and new bioactive compounds, present in food or released from human cells, able to improve glycemic control, stimulating glucose uptake, metabolism, and increasing insulin sensitivity, have recently attracted considerable interest.

This Special Issue aims to collect original research articles, short communications, and reviews on new bioactive compounds as promising and innovative molecules able to contribute to the management of glucose homeostasis, including their molecular mechanisms in diabetes and related metabolic syndromes.



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