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Nutrients, Bioactives and Insulin Resistance

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Message from the Guest Editors

Dear Colleagues,

Our understanding of insulin resistance remains limited, even though this condition is a considerable burden on human health. Diet has a major role in its onset and eventual progression to diabetes, however, at the same time, it is recognized that dietary constituents may provide a means to intervene, thus reducing the morbidity and mortality that stem from insulin resistance.

Developing new paradigms to explain the effects of diet on glucose and lipid metabolism in the context of insulin resistance could lead to novel insights regarding approaches to intervene in these processes. This Special Issue will, thus, include original research and scientific perspectives on the relationship between insulin resistance and dietary constituents that may promote or prevent progression of this condition to diabetes. Mechanistic insights defining the contribution of diet to the occurrence and management of insulin resistance will provide additional details to our understanding of the clinical implications of insulin resistance.

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