



Diabetes and Endocrinology: Diet, Glucose Metabolism and Insulin Resistance

Guest Editor:

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Deadline for manuscript submissions:
closed (15 March 2023)

Message from the Guest Editor

In nutrition, diet is the sum of food consumed by a person. The word “diet” often implies the use of a specific intake of nutrition for health or weight-management reasons. Both diet quality and quantity are associated with the development of type 2 diabetes mellitus, across many genetic backgrounds. Nutritional management of blood glucose levels and insulin response is a strategic target in the prevention and management of type 2 diabetes mellitus. Insights into how dietary factors affect glucose metabolism and insulin resistance are essential to understanding the effect of food on glycemic regulation and the underlying metabolic derangements. There is an ongoing debate on what constitutes a “healthy diet” in cardiometabolic disease. There is growing recognition of the complex interplay between diet, gut microbiota, and the gut hormonal and inflammatory milieu in glucose metabolism. This research topic aims to present the latest evidence about the role of dietary elements/interventions in the prevention or management of prediabetes or type 2 diabetes.





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Journal Rank: JCR - Q1 (Nutrition and Dietetics) / CiteScore - Q1 (Nutrition and Dietetics)

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