



Advanced Glycation End Products (AGEs): Link between Modern Health and Disease

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Message from the Guest Editor

A traditional whole-food diet consists of higher intakes of foods such as vegetables, fruits, seafood, whole grains, lean meat, nuts, and legumes, with the avoidance of processed foods. Currently, in both developed and emerging economies there is a preference to consume nutrient-poor, energy dense, and highly processed foods. This transition has seen increases in obesity, nonalcoholic fatty liver disease, and other metabolic and behavioral disorders. These include excessive fats, sugars, and advanced glycation end products (AGEs). AGEs are a group of chemically heterogeneous compounds formed by the non-enzymatic modification of proteins by reducing sugars. These compounds are found in large amounts in the modern diet and are also produced endogenously at an increased rate in diabetes.

AGEs also have many potentially harmful effects and have been implicated in the development and progression of diabetic pathology and a range of other chronic disease states. This Special Issue will delve into exploring the link between AGEs and modern health and disease.





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