

Special Issue

Dietary Advanced Glycation End Products and Human Health

Message from the Guest Editors

Advanced glycation end-products (AGEs) are endogenously formed in the body when reducing sugars react with amino acids in proteins and other macromolecules, a process called the Maillard reaction. Similarly, dietary AGEs are being generated when fats and sugars react with proteins in our diet. Over the past decades, dietary habits have dramatically changed due to increased consumption of processed foods, thereby increasing the exposure to dietary AGEs. These dietary AGEs enter the blood circulation, are being metabolized at different tissues and/or excreted in urine. High circulating levels of AGEs have been implicated in inflammation and various adverse cardio-metabolic health outcomes such as insulin resistance, pancreatic beta cell dysfunction, T2DM, arterial stiffness, and even mortality. In this special issue, progress made in aspects of dietary AGEs and human health will be included. We ask the experts in the field to contribute their latest research, perspective, or reviews on this fascinating and rapidly progressing topic. Our aim is to provide a comprehensive update of all aspects of dietary AGEs and Human Health.

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Nutrients is an on-line open access journal that was first published in 2009. *Nutrients* adheres to rigorous peer-review and editorial processes and publishes only high quality manuscripts that address important issues related to the impacts of nutrients on human health. The Impact Factor of *Nutrients* has risen rapidly since its establishment and it is now ranked in the first quartile of journals publishing in the field of nutrition and dietetics research.

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