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Dietary Advanced Glycation End Products and Human Health

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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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Special *issue*



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