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The Role of Dietary Advanced Glycation End Products on Chronic Diseases

Guest Editors:

Prof. Dr. Lokesh Joshi

Advanced Glycoscience Research Cluster, School of Biological and Chemical Sciences, National University of Ireland Galway, University Road, H91 W2TY Galway, Ireland

Prof. Dr. Massimo Collino

Department of Neuroscience "Rita Levi Montalcini", University of Turin, 10125 Turin, Italy

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Message from the Guest Editors

Advanced Glycation End Products (AGEs) can accumulate in various tissues and organs throughout the body, particularly in long-lived proteins such as collagen, leading to tissue damage and dysfunction. Non-enzymatic glycation and the subsequent formation of AGEs have been implicated in various pathological conditions and chronic diseases, including diabetes, atherosclerosis, chronic kidney disease, neurodegenerative diseases, and aging. The presence of AGEs can alter the structure and function of proteins and lipids, promote inflammation and oxidative stress, and contribute to cellular dysfunction and tissue damage.

This Special Issue will focus on dietary sources of AGEs and their impact/role in chronic diseases and how to prevent AGE-led diseases through alternative dietary behavior.

We, thus, invite investigators to contribute with original research articles, as well as review articles, that seek to offer new advances on dietary AGEs and to explore the pathological manifestations and molecular insights linked to AGEs accumulation, as well as innovative strategies aimed at the prevention/management of the harmful effects of AGEs on health.



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Special Issue



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Prof. Dr. Lluís Serra-Majem

1. Centro de Investigación
Biomédica en Red Fisiopatología
de la Obesidad y la Nutrición
(CIBEROBN), Institute of Health
Carlos III, 28029 Madrid, Spain
2. Research Institute of
Biomedical and Health Sciences
(IUIBS), University of Las Palmas
de Gran Canaria, 35001 Las
Palmas, Spain
3. Preventive Medicine Service,
Centro Hospitalario Universitario
Insular Materno Infantil (CHUIMI),
Canarian Health Service, 35016
Las Palmas, Spain

Prof. Dr. Maria Luz Fernandez

Department of Nutritional
Sciences, University of
Connecticut, Storrs, CT 06269,
USA

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Nutrients Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

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