Special Issue

Inflammation and Oxidative Stress in Age-Related Metabolic Changes and Disorders

Message from the Guest Editors

As we age, the body changes. Nutritional behaviors and attitudes evolve with aging, which may lead to agerelated diseases. The question is why some people live longer without health problems and some develop diseases earlier during adulthood. It is known that healthy aging proceeds with changes in genome, but this is also modified by autocrine, paracrine, and endocrine activities in the body as well as the environment, which leads to increased oxidative stress and accelerated inflammation. So far, different metabolic pathways may lead to better and worse aging processes. Obesity, hypertension, and insulin resistance are seen while we age. What is more, they are characterized by a low-grade chronic inflammatory state and accelerated prooxidant status. Thus, we encourage research spanning from basic science to different clinical disciplines to participate in this Special Issue to serve as a platform to discuss metabolic pathways and metabolites which can have an influence on successful aging. We would also like to discuss age-related metabolic disorders and their metabolic pathways due to environmental/nutritional status, which are caused by inflammation and/or oxidative stress.

Guest Editors

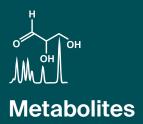
Dr. Sylwia Dzięgielewska-Gęsiak

Dr. Teresa Grzelak

Dr. Grzegorz Dziubanek

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Metabolites
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
metabolites@mdpi.com

mdpi.com/journal/ metabolites





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About the Journal

Message from the Editor-in-Chief

The metabolome is the result of the combined effects of genetic and environmental influences on metabolic processes. Metabolomic studies can provide a global view of metabolism and thereby improve our understanding of the underlying biology. Advances in metabolomic technologies have shown utility for elucidating mechanisms which underlie fundamental biological processes including disease pathology. *Metabolites* is proud to be part of the development of metabolomics and we look forward to working with many of you to publish high quality metabolomic studies.

Editor-in-Chief

Dr. Amedeo Lonardo

Internal Medicine, Ospedale Civile di Baggiovara, Azienda Ospedaliero-Universitaria, 41126 Modena, Italy

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