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Aging, Natural Bioactive Compounds and Non-communicable Chronic-Degenerative Diseases

Guest Editors:

Prof. Dr. Nicola Di Daniele

UOC of Internal Medicine-Center of Hypertension and Nephrology Unit, Department of Systems Medicine, University of Rome Tor Vergata, 00133 Rome, Italy

Prof. Annalisa Noce

UOSD Nephrology and Dialysis, Department of Systems Medicine, University of Rome Tor Vergata, Rome, Italy

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Message from the Guest Editors

Dear Colleagues,

Life expectancy today is longer than it used to be; at the same time, the geriatric world population is increasing exponentially and is projected to rise further in the decades to come. Moreover, the number of patients affected by chronic non-communicable diseases (CNCDs) such as chronic kidney disease, diabetes mellitus, arterial hypertension, cardiovascular diseases, and neuro-degenerative diseases, often related to aging, is increasing, having a negative impact on Public National Health costs.

In this scenario, it is essential to study new, alternative strategies that allow us to counter the comorbidities onset and to improve the quality of life of the geriatric population. Natural bioactive compounds are food-derived molecules that, without side effects, could be useful as adjuvant treatment in the prevention and clinical management of CNCDs. Among natural bioactive compounds, polyphenols play a key role, and numerous studies suggest that they exert antioxidant, anti-inflammatory, and anti-aging effects



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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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