

Special Issue

The Effect of Natural Extracts on Aging and Neurodegenerative Diseases

Message from the Guest Editors

Aging, a progressive physiological degeneration of all physiological functions, is associated with cognitive decline and deficits in the sensory system. The causes of aging include oxidative damage, mitochondrial genome damage, and telomere shortening. In aging, an increase in reactive oxygen and reactive nitrogen species can be observed, and, consequently, a decrease in endogenous defense mechanisms, which are considered potential causes of many neurodegenerative diseases. Natural extracts are amply used for nutritional, nutraceutical, and pharmacological applications. Studies have shown that natural extracts and bioactive compounds (such as anthocyanins, flavonoids, phenylpropanoids, and terpenes, among others) may exert anti-aging, antioxidant, and neuroprotective effects, with positive impacts on human health. Moreover, natural extracts have been proposed as a strategy to compensate chemosensory deficits in older adults.

Guest Editors

Dr. Carla Masala

Department of Biomedical Sciences, Section of Physiology, University of Cagliari, 09100 Cagliari, Italy

Dr. Antonella Rosa

Department of Biomedical Sciences, University of Cagliari, 09124 Cagliari, Italy

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

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Message from the Editorial Board

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.

Editors-in-Chief

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 (UIBS), 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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