



## The Pharma-Nutritional Role of Antioxidant Phytochemicals in Health and Disease

Guest Editors:

**Dr. Sergio Davinelli**

Department of Medicine and  
Health Sciences "V. Tiberio",  
University of Molise,  
Campobasso, Italy

**Prof. Dr. Giovanni Scapagnini**

Department of Medicine and  
Health Sciences "V. Tiberio",  
University of Molise,  
Campobasso, Italy

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**closed (30 March 2022)**

### Message from the Guest Editors

Dietary phytochemicals or their gut-derived metabolites act as signaling molecules, modulating one or more cellular pathways associated with disease prevention. Moreover, dietary phytochemicals can be accommodated in specific binding sites in the proximity of the active site. Finally, the excellent safety profile and large structural diversity make dietary phytochemicals particularly attractive for drug discovery processes. This Special Issue will collect publications on topics including (but not limited to):

- Biological effects associated with disease-prevention pathways;
- Molecular pharmacology techniques to identify potential targets;
- Phytochemical content of fruits and vegetables (e.g., variability, methods to estimate phytochemical content);
- Bioavailability of dietary phytochemicals (e.g., gut microbiota, culinary techniques, additive/synergistic effects);
- Dietary phytochemicals and the design of new drugs/supplements to target disease-prevention mechanisms;
- Dietary phytochemicals and human intervention trials;
- Dietary phytochemicals from an epidemiological perspective.





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## Editor-in-Chief

**Prof. Dr. Alessandra  
Napolitano**

Department of Chemical  
Sciences, University of Naples  
"Federico II", Via Cintia 4, I-80126  
Naples, Italy

## Message from the Editor-in-Chief

It has been recognized in medical sciences that in order to prevent adverse effects of "oxidative stress" a balance exists between prooxidants and antioxidants in living systems. Imbalances are found in a variety of diseases and chronic health situations. Our journal *Antioxidants* serves as an authoritative source of information on current topics of research in the area of oxidative stress and antioxidant defense systems. The future is bright for antioxidant research and since 2012, *Antioxidants* has become a key forum for researchers to bring their findings to the forefront.

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

Tel: +41 61 683 77 34  
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