

## Special Issue

# Antioxidant Effects of Natural Compounds on Cell Metabolism

### Message from the Guest Editors

Oxidative stress can be caused by an imbalance between the cell's antioxidant defenses and free radical generation. For this reason, it is important to improve cellular antioxidant systems that are given by a combination of molecules, complexes, and biochemical processes that protect the cell from oxidative insults.

Cellular metabolism and its dysregulation plays a key role in the biochemistry of the onset of many diseases, such as cancer, metabolic syndrome, diabetes, cardiovascular diseases, and neurodegeneration.

The antioxidant properties of natural compounds are emerging as effective agents against many chronic and progressive human diseases related to aging by reducing oxidative stress and simultaneously suppressing free radicals and the formation of reactive oxygen species in various metabolic reactions at the cellular level.

In this Special Issue, the main focus will be on the involvement of natural compounds on cell metabolism under physiological conditions and the potential antioxidant activities against disease progression. It is possible to improve this new field with original research articles and/or reviews.

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### Guest Editors

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### Deadline for manuscript submissions

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## Antioxidants

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## About the Journal

### 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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### Editor-in-Chief

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