Carotenoids—Antioxidant Properties

Message from the Guest Editors

Carotenoids are an important group of natural pigment consisting of more than 600 known compounds that are found in a wide range of biological systems. They serve a vital role in biological processes and in aspects of animal and human health where their consumption has been associated with the prevention of certain diseases.

We welcome papers to this Special Issue, which will bring together current research concerning the antioxidant properties and function of carotenoids relating to the following topics:

- The reactions of carotenoids with ROS;
- The interaction of carotenoids with other antioxidants, such as vitamin E;
- Factors that affect the antioxidant or prooxidant behaviour of carotenoids;
- The metabolism of dietary carotenoids in humans;
- The bioavailability, transport and cellular/tissue deposition of carotenoids;
- Carotenoids and heart disease;
- The role of carotenoids in the human macula;
- Carotenoids and photoprotection;
- Novel analytical methodology for carotenoids;
- The uses of carotenoids as antioxidants in foods and foodstuffs.
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.

Author Benefits

**Open Access:** free for readers, with article processing charges (APC) paid by authors or their institutions.

**High visibility:** Indexed in the Science Citation Index Expanded (SCIE) - Web of Science, Scopus and other databases. Citations available in PubMed, full-text archived in PubMed Central.

**CiteScore 2018** (Scopus): **4.88**, which equals rank 8/115 (Q1) in "Clinical Biochemistry", rank 19/167 (Q1) in "Physiology", rank 47/407 (Q1) in 'Biochemistry', 59/375 (Q2) in 'Molecular Biology' and 42/265 (Q1) in 'Cell Biology'.

Contact Us

*Antioxidants*  
MDPI, St. Alban-Anlage 66  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
Fax: +41 61 302 89 18  
www.mdpi.com  
mdpi.com/journal/antioxidants  
antioxidants@mdpi.com