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Carotenoids—Antioxidant Properties

Guest Editors:

Prof. Andrew J. Young

School of Natural Sciences and
Psychology, Liverpool John
Moores University, Liverpool, UK

Dr. Gordon M. Lowe

School of Pharmacy and
Biomolecular Sciences, Liverpool
John Moores University,
Liverpool, UK

Deadline for manuscript
submissions:

closed (30 September 2017)

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.



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Special Issue



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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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Contact Us

Antioxidants Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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