Special Issue

Plants Antioxidants and Genetic Engineering

Message from the Guest Editor

In nature, there is a wide variety of naturally occurring antioxidants differing in their composition, physical and chemical properties, and mechanisms of action. Among all these, organism plants produce the widest spectrum of those components generated via different metabolic pathways and some of them unique to particular species. Genetic engineering offers the possibility of obtaining plants with higher levels of antioxidants, production of novel phytochemicals, and synthesis of plant components in other that plant system. It also provides us with a better understanding of pathways components and regulation.

We invite you to submit your latest research concerning all manipulation of antioxidants synthesis in plants, biosynthesis of plant antioxidants in other than plant systems like bacteria and fungi and biotransformation of plant antioxidants using genetically modified microorganisms.

We believe that this Special Issue, “Plant Antioxidants and Genetic Engineering”, will help to highlight the most recent advances on all aspects of plant antioxidants produced via genetic engineering. We look forward to your contribution.

Guest Editor

Dr. Anna Kulma
University of Wroclaw, Wroclaw, Poland

Deadline for manuscript submissions

closed (30 September 2020)

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

mdpi.com/journal/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.

Editor-in-Chief

Prof. Dr. Alessandra Napolitano
Department of Chemical Sciences, University of Naples "Federico II", Via Cintia 4, I-80126 Naples, Italy

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