

Special Issue

Biological Activity of Mammalian Metabolites of Antioxidants

Message from the Guest Editor

Exogenous antioxidants often suffer from low bioavailability due to their extensive metabolism in the human body. This leads, among other things, to considerable discrepancies between the results of in vitro antioxidant assays and in vivo biological activity. This Special Issue focuses on this aspect of antioxidants, which to date has been neglected. Potential topics for this Special Issue include the preparation of metabolites of antioxidants using both chemical and enzymatic methods, the identification and isolation of metabolites from biological material, advanced analytical methods for the characterization of metabolites of antioxidants, and studies of the biological activity of these metabolites in vitro and in cellulo. Comparisons with parent compounds are highly recommended. We welcome original research articles or reviews dealing with the biological activity of human metabolites of natural and synthetic antioxidants. The major requirements are: (i) clear novelty; (ii) reproducibility; and (iii) defined structures. Papers dealing with poorly defined mixtures, extracts, or “principles” will be returned without further review.

Guest Editor

Dr. Kateřina Valentová

Laboratory of Biotransformation, Institute of Microbiology of the Czech Academy of Sciences, Vídeňská 1083, 14220 Prague, Czech Republic

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

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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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