Special Issue

Methodologies for Improving Antioxidant Properties and Absorption, 2nd Edition

Message from the Guest Editor

The efficacy of antioxidants depends not only on their radical scavenging capacity but also on their absorption and bioavailability, enabling them to reach target cells or prevent oxidation in biological and medical applications. We welcome original research and reviews on novel approaches to optimize natural antioxidants—through structural modifications or advanced carriers (e.g., liposomes, microcapsules, NADES, nanoemulsions) to enhance antioxidant stability, transport, cell targeting, and absorption. This research can include both in vitro and in vivo studies, relating to any of the following topics: (i) chemical or enzymatic techniques for antioxidant molecule modification; (ii) structure/antioxidant activity comparisons of modified or synthetic antioxidants with respect to natural molecules; (iii) the role of carrier systems in the enhancement and/or specificity of the cell/tissue/organ absorption of the target antioxidant molecule.

Guest Editor

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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

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