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The Chemistry of Antioxidant Activity

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Deadline for manuscript submissions:

closed (31 December 2019)

Message from the Guest Editors

This Special Issue aims at covering all the relevant aspects of the chemistry of antioxidants. Both well-established and novel, less common mechanisms of antioxidant activity will be covered.

Therefore, the issue welcomes original research and review manuscripts on the following main aspects:

Chemical methods to measure antioxidant activity, mechanisms of antioxidant activity, novel synthetic antioxidants, the chemistry of natural antioxidants, nonconventional antioxidants (including, but not limited to: nonphenolic, non-aminic antioxidants; nonphenolic terpenes; thiosulfonates; sulfides and polysulfides; compounds yielding persistent carbon-centered radicals; nitroxyl radicals; and others), reactivity of antioxidants with hydroperoxyl and superoxide radicals, and synergism and interactions among antioxidants. The issue also welcomes manuscripts on nanoantioxidants, surface and interface antioxidant chemistry, and the influence of the medium on antioxidant activity. Finally, the issue welcomes discussions on the interplay between chemical reactivity and biological activity of antioxidants.



mdpi.com/si/20905

Special Issue



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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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