



Antioxidant Defenses against Pollution and Other Environmental Stresses

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Message from the Guest Editors

All living organisms are, more or less, subject to stressful conditions. In some cases, these conditions depend on their natural ways of life, such as diet or locomotor activity. In other cases, they are linked to environmental conditions, which are modified by both abiotic and biotic factors. In particular, the former includes all the global changes that are affecting our planet, from climatic change to those dependent on anthropogenic activity, such as environmental contamination or acidification of the oceans.

During their evolution, living organisms have developed antioxidant defences, designed to counteract oxidative stress, which are expressed at the systemic, cellular and molecular levels.

This Special Issue aims to examine different aspects of oxidative stress, both in terms of effects on organisms and physiological responses useful to limit or avoid negative effects. Both field and laboratory studies will be considered, targeting organisms from all kingdoms.





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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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