



Effect of Oxidative Stress on Reproduction and Development

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Message from the Guest Editors

There is a growing amount of literature on the effects of oxidative stress resulting from the imbalance between pro-oxidants and antioxidants. Stressors, by inducing physiological and reproductive disorders, determine failures in various cellular processes, such as development, differentiation, growth, regeneration, and regression, threatening the survival of the living species. We cordially invite authors to contribute to this Special Issue with original research articles and reviews on how global warming, plastics, biofoulants, metals, etc. induce oxidative stress effects on animal and vegetal reproduction. Critical and objective perspectives on hormones and vitamins and on factors that limit or facilitate fertility and fertilization also fall within the scope of this Special Issue. Data collected on this issue may represent a new opportunity to answer basic questions on conservation and sustainability, and indicate to us how we can perform assessments by oxidant and/or antioxidant detection.





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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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