Special Issue

Oxidative Stress in Marine Environment - 2nd Edition

Message from the Guest Editors

One of the typical examples of naturally occurring oxidative stress in the ocean is that it is derived from the electron transport chain of photosynthesis in the autotrophic organisms such as phytoplankton and seaweed. On the other hand, there are many reports on anthropogenic oxidative stress induced by the toxicity of various pollutants that have flowed into the aquatic environment and their intracellular response to them. In addition, some pollutants are phototoxic and can directly exert oxidative stress on aquatic organisms. Apart from these, reactive oxygen species produced by some harmful red tide algae are suspected to kill fish. In addition to these examples, there are various biological phenomena involving oxidative stress peculiar to the aquatic environment, which are scientifically important from a biological and ecological perspective. This Special Issue aims to include papers or reviews from a wide range of fields on oxidative stress from the gene to individual levels in various organisms that live in the aquatic environment, including the ocean and freshwater areas.

Guest Editors

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Deadline for manuscript submissions

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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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