

## Special Issue

# Antioxidants from the Sea and Their Application

### Message from the Guest Editors

Marine environments host a variety of organisms that represent a huge reservoir of structurally diverse, biologically active compounds with unique properties. Among molecules, antioxidant compounds play a key role in maintaining cellular redox homeostasis and are involved in the survival of marine organisms exposed to environmental stress. Marine antioxidants are represented by several compounds such as polyphenols, terpenoids, polyketides, alkaloids, sterols, pigments, polysaccharides, and polyunsaturated fatty acids, as well as peptides and enzymes involved in the protection against oxidative stress. The aim of this Special Issue is to collect new, high-quality papers, including reviews and articles, on various aspects related to marine antioxidant compounds, including (but not limited to) the following: biosynthesis, mechanisms of action, antioxidant capacity, biotechnological production, and potential applications as new drugs, dietary supplements, and health-care products.

### Guest Editors

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### Deadline for manuscript submissions

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## Antioxidants

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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.

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### Editor-in-Chief

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