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# Marine Algal Antioxidants

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Deadline for manuscript submissions:
**closed (15 October 2019)**

## Message from the Guest Editors

This Special Issue aims to present data and the state-of-art on the way to increase antioxidant production for their exploitation in different fields, such as nutraceutics or cosmetics. On this topic, the plus-value of algal biodiversity for antioxidant molecule production will be also questioned.

While a plethora of antioxidant molecules produced by higher plants are known and have been well-documented by many reports, little is known about the bioactive molecules from marine algae, with the exception of the carotenoids pool. Other families of antioxidant molecules are found in microalgae, such as phenolic compounds (e.g., flavonoids), lipophilic molecules synthesized by photosynthetic organisms, such as ascorbic acid (vitamin c) and tocopherols (vitamin E), and glutathione and phycobiliproteins present in few algal groups. While it is reported that these families of molecules with potential antioxidant roles are present in microalgae, little is known about their diversity, role or activity.

We look forward to receiving many contributions and stimulating a productive discussion on this exciting thematic of marine algal antioxidants.

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## Editor-in-Chief

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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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