

## Special Issue

# Antioxidants Benefits in Aquaculture

### Message from the Guest Editor

Reactive oxygen species (ROS) in excess can lead to the oxidation of cell membranes, as well as lesions in mitochondria, proteins, DNA and other cell components. Enzymatic and non-enzymatic antioxidant defense systems play a role in preventing and repairing oxidative damage. Metabolic pathways in cells are influenced by antioxidant enzymes, which may be valuable biomarkers of general health status. Some immunostimulants and antioxidants prevent infections and protect cells from damage during excessive ROS production.

This Special Issue will publish original research papers and reviews on the benefits of antioxidants in aquaculture, in relation to the following topics:

- Dietary antioxidants and food supplements
- Screening of antioxidant products for biological activities
- Antioxidant potential of probiotic bacteria
- Antioxidant products in intestinal health
- Understanding the pathways of redox homeostasis
- The relationship between antioxidants and health

We look forward to receiving your contributions.

### Guest Editor

Dr. Ángel Isidro Cámpa-Córdova

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### Deadline for manuscript submissions

closed (20 November 2022)



## 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

Prof. Dr. Alessandra Napolitano

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