

## Special Issue

# Oxidant/Antioxidant Balance in Animal Nutrition and Health

### Message from the Guest Editor

The links between oxidative stress and the development of adverse physiological outcomes constitute important issues in animal science. It is well established that animals require optimal conditions in terms of antioxidant protection in order to ensure optimal health conditions. Interestingly, mounting evidence indicates that many cellular processes associated with ROS production and detoxification are quite sensitive to the quantity and variety of nutrients provided in the diet. This recent recognition that precise nutrients have the ability to modulate cellular oxidative conditions has prompted a revolution in the field of nutrition. The aim of this Special Issue of Antioxidants is to present a collection of the latest findings or review articles on the oxidant/antioxidant balance in animal nutrition and health. In particular, we are focused on the molecular action of specific nutrients in relation to the elaboration of innovative nutritional approaches aiming to modulate physiological oxidative conditions and improve animal health. We look forward to your contribution.

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### Guest Editor

Dr. Jérôme Lapointe  
Agriculture and Agri-Food Canada, Sherbrooke, QC, Canada

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### Deadline for manuscript submissions

closed (31 July 2021)



## 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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