# Special Issue

# Oxidative Stress and Lysosomal Function in Health and Disease

## Message from the Guest Editors

Lysosomes are the cellular center for degradation and recycling of a variety of biological macromolecules. Moreover, they are essential for autophagy and fulfill relevant functions as a metabolic signaling platform that intersects with multiple pathways. In addition, lysosomes dynamically and strongly communicate with other key organelles involved in cellular metabolism, such as the endoplasmic reticulum and mitochondria. Therefore, lysosome functionality has significant implications for health and disease. In this context, alterations in lysosome homeostasis are associated with diverse disorders which include common diseases, such as obesity, Alzheimer's, and Parkinson's, and less frequent ones, such as lysosomal storage diseases. Interestingly, mounting evidence shows that increased oxidative stress induces lysosome damage, potentially compromising its functionality and therefore several processes in which this organelle participates, including autophagy. We invite you to submit to this Special Issue that will bring together current research relating oxidative stress to lysosome function in health and disease. Your latest research findings or review articles are also welcome.

## 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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