

## Special Issue

# Redox Stress in Respiratory Muscles: Towards Antioxidant Therapy for Respiratory Disease

### Message from the Guest Editor

Respiratory muscles are critical to life. Like other striated muscles, they retain a capacity for plasticity in health and disease. Reactive oxygen species have emerged as key regulators of skeletal muscle function, and redox stress as a centrepiece in respiratory muscle dysfunction in a range of respiratory-related disorders and diseases. Significant advances have been made in understanding redox-dependent signalling and injury in respiratory muscle. A body of evidence is emerging, revealing the capacity for antioxidant strategies to combat respiratory muscle oxidative stress with implications for therapeutic strategies in human disease. This Special Issue will publish original research papers and review articles on a range of topics related to redox signalling and stress in respiratory muscles.

---

### Guest Editor

Prof. Ken O'Halloran  
Department of Physiology, University College Cork, Cork, Ireland

---

### Deadline for manuscript submissions

closed (30 November 2018)



## Antioxidants

---

an Open Access Journal  
by MDPI

---

Impact Factor 6.6  
CiteScore 12.4  
Indexed in PubMed



[mdpi.com/si/13622](https://mdpi.com/si/13622)

*Antioxidants*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[antioxidants@mdpi.com](mailto:antioxidants@mdpi.com)

[mdpi.com/journal/  
antioxidants](https://mdpi.com/journal/antioxidants)





# Antioxidants

---

an Open Access Journal  
by MDPI

---

Impact Factor 6.6  
CiteScore 12.4  
Indexed in PubMed



[mdpi.com/journal/  
antioxidants](https://mdpi.com/journal/antioxidants)



## 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

Prof. Dr. Alessandra Napolitano  
Department of Chemical Sciences, University of Naples “Federico II”,  
Via Cintia 4, I-80126 Naples, Italy

---

### Author Benefits

#### Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

#### High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, PMC, FSTA, PubAg, CAPIus / SciFinder, and other databases.

#### Journal Rank:

JCR - Q1 (Chemistry, Medicinal) / CiteScore - Q1 (Food Science)