

## Special Issue

# NOS/NO System and Heart

### Message from the Guest Editors

Nitric oxide is definitively recognized as an essential autocrine–paracrine modulatory molecule for the heart. Generated by differently regulated nitric oxide synthase isoenzymes, it coordinates many intracardiac pathways under basal conditions and in the presence of physiological and pathological challenges. Once produced, NO is rapidly metabolized to nitrite and nitrate, highly reactive metabolites that, under low oxygen, can be reconverted to NO, giving rise to a rich and fine nitrosative equilibrium, crucial for cardiac modulation. We invite you to contribute with your latest research findings or review articles to this SI with the aim to provide an updated framework of information on the NOS/NO system in cardiac homeostasis of invertebrates and vertebrates, from molecules to organs and systems. Contributions on the old evolutionary roots of the cardiac nitregric control, its importance during heart development and stress adaptation, and on the translational potential of animal studies, would complete the topic.

---

### Guest Editors

Prof. Dr. Maria Carmela Cerra

Prof. Sandra Imbrogno

Dr. Alfonsina Gattuso

---

### Deadline for manuscript submissions

closed (20 October 2021)



## Antioxidants

---

an Open Access Journal  
by MDPI

---

Impact Factor 6.0  
CiteScore 10.6  
Indexed in PubMed



[mdpi.com/si/55582](https://mdpi.com/si/55582)

*Antioxidants*

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 6.0  
CiteScore 10.6  
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)