



## Antioxidants in Poultry Nutrition and Reproduction

Guest Editor:

**Prof. Dr. Peter F. Surai**

Vitagene and Health Research  
Centre 53 Dongola Road, Ayr, KA7  
3BN, Scotland, UK

[psurai@feedfood.co.uk](mailto:psurai@feedfood.co.uk)

Deadline for manuscript  
submissions:

**closed (30 June 2019)**

### Message from the Guest Editor

Poultry production is associated with a range of stresses, including nutritional, environmental, technological and biological/internal stress. Evidence is actively accumulating to prove that at the molecular level most of these stresses are associated with redox disbalance and oxidative stress, causing a decrease in productive and reproductive performance and compromising animal/poultry health.

This Special Issue will publish original research papers and reviews on aspects of natural antioxidants that relate to the following topics: the function and regulation of antioxidants in poultry; understanding the pathways of redox homeostasis in poultry; the relationship between various antioxidants and poultry reproduction and health; role of natural antioxidants in fighting commercially-relevant stresses (heat stress, mycotoxin stress, etc.), the role of natural antioxidants in maintaining meat and egg quality, etc.





an Open Access Journal by MDPI

## Editor-in-Chief

### Prof. Dr. Stanley Omaye

Department of Agriculture,  
Nutrition and Veterinary  
Sciences, University of Nevada,  
1664 North Virginia Street, Reno,  
NV 89557, USA

## 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.

## Author Benefits

**Open Access:**—free for readers, with [article processing charges \(APC\)](#) paid by authors or their institutions.

**High Visibility:** Indexed in the [Science Citation Index Expanded \(SCIE\)](#) - Web of Science, [Scopus](#) and [other databases](#). Citations available in [PubMed](#), full-text archived in [PubMed Central](#).

**JCR Category Rank:** 7/61 (Q1) in 'Medicinal Chemistry'; 10/139 (Q1) in 'Food Science & Technology' and 56/297 (Q1) in 'Biochemistry & Molecular Biology'.

## Contact Us

---

*Antioxidants*  
MDPI, St. Alban-Anlage 66  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
Fax: +41 61 302 89 18  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/antioxidants](http://mdpi.com/journal/antioxidants)  
[antioxidants@mdpi.com](mailto:antioxidants@mdpi.com)