

Special Issue

Selenium and Animal Health

Message from the Guest Editor

Selenium is an essential trace element in the diet of humans and animals. The efficiency of Se assimilation from diet depends on the form used in the diet. It is a component of more than 30 selenoproteins, which play a significant role in the organism. Selenium deficiency contributes to pathological changes in animals. Low selenium levels can lead to the development of nutritional muscular dystrophy, exudative diathesis and so on. Selenium poisoning is rarely encountered, and it most often results from an overdose of selenium supplements. The most common forms of selenosis are chronic selenosis and acute selenosis. We invite you to contribute your latest research findings or a review article to this Special Issue, which will bring together current research and critical thinking on selenium actions and properties on animal health. Your contribution can include either in vitro or in vivo studies relating to any of the following topics: Antioxidative activities of selenium; molecular mechanisms of selenium actions in disease prevention; and the role of selenium in signaling, cell metabolism, cell cycle, cellular stress, and animal diseases.

Guest Editor

Dr. Evangelos Zoidis

Laboratory of Nutritional Physiology and Feeding, Department of Animal Science, School of Animal Biosciences, Agricultural University of Athens, 75 Lera Odos Str., 11855 Athens, Greece

Deadline for manuscript submissions

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Antioxidants
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
antioxidants@mdpi.com

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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

Prof. Dr. Alessandra Napolitano

Department of Chemical Sciences, University of Naples “Federico II”,
Via Cintia 4, I-80126 Naples, Italy

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