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The Role of Peroxidases and Catalases in Photosynthetic and Non-photosynthetic Eukaryotes

Guest Editor:

Dr. Marcel Zamocky

1. Laboratory of Phylogenomic Ecology, Institute of Molecular Biology, Slovak Academy of Sciences, Dúbravská cesta 21, SK-84551 Bratislava, Slovakia
2. Department of Chemistry, Institute of Biochemistry, University of Natural Resources and Life Sciences (BOKU), Muthgasse 18, 1190 Wien, Austria

Deadline for manuscript submissions:

closed (15 May 2022)

Message from the Guest Editor

I invite you to submit your original work and reviews for a Special Issue with the title “The Role of Peroxidases and Catalases in Fungi and Plants” to be published in *Antioxidants* (MDPI). The focus of this specifically formulated issue is to gain an up-to-date overview on advances in the discovery of two important and the most abundant enzyme subclasses involved in the metabolism of reactive oxygen species and defense against oxidative stress in the plant and fungi kingdoms. Not only are phylogenomic analyses and details on molecular evolution welcome, but contributions dealing with structure–function relationships in various types of peroxidases and catalases that are frequently present in diverse species of plants and fungi will also be accepted. An overview of various important achievements, their comparisons, and novel findings will hopefully provide new perspectives that will attract future research in this area.



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Special Issue



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Editor-in-Chief

Prof. Dr. Alessandra Napolitano

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

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.

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Antioxidants Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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