

## Special Issue

# Redox Regulation in Photosynthesis

### Message from the Guest Editor

Plant metabolism is associated with cell redox homeostasis. ROS (reactive oxygen species) are a masterpiece in terms of gene expression/regulation. Important biomolecules have antioxidant properties that affect cellular energy balance (pathways of energy used and produced) during photosynthesis. In this way, elucidation of the metabolic mechanisms between photosynthesis and redox regulation is still a real challenge. Novel studies can provide information on the biomolecules that are present in plants under stress and non-stress conditions. This Special Issue aims to collect papers dealing with all aspects of redox regulation linked to photosynthesis in order to provide an updated overview of the state of the art in this field. Papers describing recent developments in photosynthesis and redox regulation, including induced stress (abiotic, chemical elements, etc.), biomolecules, gene expression and regulation, and metabolites in different plants, will be particularly welcome.

### Guest Editor

Dr. Bruno Lemos Batista

Center of Natural and Human Sciences, Federal University of ABC,  
Santo André 09210-170, SP, Brazil

### Deadline for manuscript submissions

closed (10 November 2023)



## Antioxidants

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

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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

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