Special Issue

NAD^+ and Pyridine Nucleotides, Central Players in Plant Metabolic and Developmental Acclimation

Message from the Guest Editor

Several studies have shown that stimulation of NAD+ synthesis is associated with better plant productivity and could lead to accelerated senescence. Increased NAD+ levels are linked to enhanced resistance to a diverse range of (a)virulent pathogens via salicylic acid (SA), ethylene, jasmonate, and abscisic (ABA), and a reciprocal regulation between NAD+ metabolism and ABA has been demonstrated under abiotic stress conditions. Thus, the cellular and subcellular availability of NAD+ may prime plant growth and development to changing environmental conditions, abiotic stress resistance, and immunity. This Special Issue will address recent advances in our understanding of the actions of NAD+ and pyridine nucleotides in metabolic, hormonal, and organellar retrograde signalling that allow plants to grow, to tolerate abiotic stresses, to enhance their immunity, and to adapt their development accordingly.

Guest Editor

Dr. Bertrand Gakière

Institute of Plant Sciences of Paris-Saclay (IPS2), Université Paris-Saclay INRAE CNRS, Bâtiment 630, Avenue des Sciences, CS 80004, CEDEX, 91192 Gif-sur-Yvette, France

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

mdpi.com/journal/antioxidants

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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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