

Special Issue

Plant and Human Sulfur Biology

Message from the Guest Editors

Sulfur is an essential element for life, and cysteine represents a key sulfur-containing metabolite in all organisms. In plants, cysteine is synthesized via the photosynthetic assimilation of sulfate and in animals from methionine via the transsulfuration pathway. In both plants and animals, cysteine is crucial for the structure, function and regulation of proteins, and also as a precursor of essential biomolecules and defense compounds. Hence, sulfur compounds have key roles in normal and perturbed physiological processes. We invite researchers in the field and the participants of the Joint meeting for Plant and Human Sulfur Biology and Glucosinolates, which will be held in Sevilla (Spain) in September 2021, to submit their latest research findings or review articles to this Special Issue. This will bring together current research concerning cysteine metabolism, sulfur trafficking, hydrogen sulfide formation and signaling, and protein persulfidation in both normal processes and perturbed physiological states of plant and animal cells. We look forward to your contributions.

Guest Editors

Dr. Cecilia Gotor

Prof. Dr. Nicolas Rouhier

Dr. Luis Carlos Romero González

Dr. Jeremy Couturier

Deadline for manuscript submissions

closed (31 October 2021)



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

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