# Special Issue

# Thioredoxin and Glutaredoxin Systems II

### Message from the Guest Editors

Following the successful publication of volume 1 of the Special Issue "Thioredoxin and Glutaredoxin Systems", we are now launching the second volume to collect updated data on the roles and mechanisms of action of these redox systems. The current understanding of the TRX and GRX systems has highlighted their role in controlling a wide variety of cellular processes by modulating the redox states of target proteins in all living organisms. Therefore, we invite you to submit your research findings to this Special Issue, which aims to present updated data on new and established regulatory pathways involving TRX/GRX systems and their interconnections with other cysteine-dependent redox modifications that entail reactive oxygen, nitrogen and sulfur species (ROS, RNS and RSS, respectively). The research can include both in vitro and in vivo studies exploiting the structural/functional characterization of TRX/GRX and related targets, and the importance of redox mechanisms under cell growth and development but also in response to stress conditions in all living organisms. Original research articles and review articles are welcome.

### Guest Editors

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### Deadline for manuscript submissions

closed (20 July 2022)

**Antioxidants**

**an Open Access Journal by MDPI**

**Impact Factor 6.6**
**CiteScore 12.4**
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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

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