Special Issue

Reaction Mechanism of the Ferredoxin–Ferredoxin NAD(P)+/H Oxidoreductase System

Message from the Guest Editors

This Special Issue invites research findings and reviews of recent works which share updates on and enrich our knowledge around FNRs, its isozymes, such as adrenodoxin reductase, putidaredoxin reductase, and its homologues, and Fd/Fld–FNR systems in bacteria, archaea, protozoa, plants, and vertebrate. The issue targets research on a molecular to cellular level: reaction intermediate, electron/hydride transfer reactions, substrate recognition, structure–function relation, supramolecular assembly, response to environmental and drug stresses utilizing spectroscopic, kinetic, and structural analyses, computational science, genomics, proteomics, and metabolomics approaches. We believe that this Special Issue, "Reaction Mechanism of a Ferredoxin–Ferredoxin NAD(P)+/H Oxidoreductase System", will help to highlight the most recent advances on all aspects of Fd–FNR systems.

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Deadline for manuscript submissions

closed (15 December 2021)

Antioxidants

an Open Access Journal by MDPI

Impact Factor 6.6
CiteScore 12.4
Indexed in PubMed

mdpi.com/si/84276

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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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