



Oxidative Stress: Cell Biology and Signal Transduction

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Message from the Guest Editors

Oxidative stress is a process of high interest for researchers around the world. Diverse signal recognition receptors and signal transduction pathways have been defined that regulate mitochondrial functions, apoptosis, and development. A perturbation of the equilibrium between reactive oxygen species (ROS) and antioxidant molecules in the cell leads to signalling pathways that cause pathophysiological processes and diseases.

Authors are invited to submit original research and review articles that address the progress and current standing of cellular signalling processes.

Topics of this Special Issue include, but are not limited to:

- Key biological processes such as cell cycle, DNA repair, apoptosis, autophagy, angiogenesis, invasion and metastasis.
- Mitochondrial mechanisms.
- Degenerative diseases.
- Cancer epidemiology and prevention.
- Oxidative agents and their molecular effects.
- Antioxidant therapy: target discovery, drug design, nutrition, targeted therapy, nanomaterials, personalized medicine.

Deadline for manuscript
submissions:

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Message from the Editor-in-Chief

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