



Molecular Toxicology of Free Radicals: From Molecules to Cells to Tissues

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Message from the Guest Editor

This Special Issue will cover new developments in oxidative toxicology in the frame of the fragile interface that emerges under the involvement of physiological mechanisms that govern redox homeostasis from one side and free radical toxicity from the other. Recently, the use of redox biomarkers in the evaluation of the antioxidant profile, both in vitro and in vivo, has surfaced as a potential approach again. Although usually overlooked, recent scientific evidence indicates that redox biomarkers can become a useful tool with great translational potency in the field of redox biology.

Potential topics include but are not limited to the following:

- Biomarkers used for the evaluation of in vivo antioxidant mechanisms
- Biomarkers for assessing the antioxidant activity of plant compounds in vitro
- Estimation of redox status in an exercise context
- Antioxidant status in disease using redox biomarkers
- Estimation of redox status in aging
- Assessment of the antioxidant status of the host after insulted by pathogenic microorganisms





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Message from the Editor-in-Chief

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