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The Significance of Redox Biomarkers in the Evaluation of the Antioxidant Profile in Vitro and in Vivo

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Deadline for manuscript submissions:

closed (31 October 2020)

Message from the Guest Editors

In this Special Issue, we invite the researchers to contribute both review papers and original research articles that will approach the issue of using biomarkers in order to evaluate on the one hand the antioxidant status of nutritional agents and plant extracts in vitro and on the other hand the redox status of a wide range of organisms in vivo.

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 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;
- The role of redox biomarkers evaluating antioxidant status of a great variety of organisms in the past, present, and future;
- Redox biomarkers assessing antioxidant activity: the field of redox biology under a philosophical and historical aspect.



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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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