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Oxidative Stress-Related Biomarkers in Toxicology and Risk Assessment

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closed (15 August 2023)

Message from the Guest Editors

The possibility to analyze circulating oxidative stress-related biomarkers in various body fluids, commonly referred to as “liquid biopsy”, may represent a significant opportunity to personalize patient therapy. The challenge, however, rests in the determination of which biomarker, type of body fluid and detection method would be the most suitable to be applied in the clinical setting, highlighting advantages and limitations.

We welcome submissions of recent research that will improve the knowledge of drug safety, chemical-induced toxicity and food poisoning, focusing on topics including but not limited to the following:

- Biomarker discovery: Preclinical mechanistic investigation on drug-, botanical-, chemical- and food-induced toxicity.
- Evaluation of circulating biomarkers of xenobiotic-induced toxicity, with emphasis on specific groups of vulnerable patients such as pregnant women, children and the elderly.



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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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