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Electrochemical Sensors for Antioxidant/Oxidant Activity Monitoring

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Message from the Guest Editor

Dear Colleagues,

Chemical (biochemical) sensors are developed for applications as detectors of different biological markers. Unfortunately, this does not apply to antioxidants. The ability of sensors for up-to-date, timely receipt of correct information about the interactions of short-lived ROS and NOS with an antioxidant defense system, as well as the wide range of sensors application for assessment of antioxidants sources seems to be the advantage and a boost for the development of sensor-based electrochemical methods for antioxidant/oxidant activity monitoring today and in near future.

Consideration of the interplay between antioxidants and OS has been the subject of a large number of publications. Numerous Special issues are planned for 2020, but the problems of AO monitoring are considered insufficiently. Research and development of new approaches, electrochemical methods, and sensors, which this Special Issue is dedicated to, will contribute to filling the existing gap between the demand and possibilities to meet these needs.

Prof. Dr. Khiena Z. Brainina
Guest Editor

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