



Total Antioxidant Capacity: Idea, Methods and Limitations

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Message from the Guest Editors

The idea of measuring the sum of antioxidant activities in a biological material (Total Antioxidant Activity (TAC)) has become popular in the last few decades. It has been used for evaluation of body fluids (especially blood plasma) as a potential diagnostic or prognostic marker and widely applied for evaluation of the antioxidant content of beverages and foods. Various methods have been applied to evaluate TAC and, depending on the reactivity of the testing reagents, the results obtained using various assays show moderate correlations. The general validity of TAC assays has been questioned by some researchers. The aim of this series is to discuss various methodological approaches to measure TAC, report examples of applications, bring positive and critical remarks, proposals of methodological improvements (e.g., automatization), comparison of methods and discussion of the perspectives of the application of TAC in food chemistry, clinical science and other fields. All contributions related to TAC assays are welcome.

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Message from the Editor-in-Chief

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