Special Issue

Artificial Intelligence and Other Bioinformatic Modern Technologies Approaches to the Study of Antioxidant Capacity in Food Production

Message from the Guest Editor

Food quality is pushing food processing to an evermore complex system. It is impossible to consider the food supply chain only in terms of the agri-food chain; we must adopt a wider and more efficient interconnection of variables taking into account the numerous inputs influencing food production and the numerous consequences of food on the consumer health and wellbeing.The studies on antioxidant capacity are commonly studied to verify the ability to improve consumer life and expectations, but the complexity of the variables and information is going to be more and more difficult to manage using classical informatic tools.Artificial intelligence (AI) is interesting as an innovative approach to collect and manage big data for the optimization of food to compete in the current and future market. Studies consider that more than 30% of companies globally are using AI and that more than 40% are exploring the technology. AI can manage big data from input sourcing (ingredient, consumer expectations, clinical evidence, etc.), workflow, systems, and product characteristic.Scientific applications of innovative informatic methods in food antioxidant studies are welcomed in this Special Issue.

Guest Editor

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About the Journal

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.

Editor-in-Chief

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