Special Issue

Food Traceability and Authenticity within Analytical Chemistry

Message from the Guest Editor

With the rise of globalization and complex distribution systems, there has been an increase in food product counterfeiting. Food adulteration, which is mostly economically motivated, can have serious impacts and even detrimental consequences on the health of its consumers. The international community uses a collective approach to cope with food fraud in which all stakeholders in the food supply chain are certified and qualified (excluding those who do not meet the applicable standards), and foods are monitored in real-time. However, there is a need for a plan of action that takes the perspectives of the food industry and consumers into account. Available technologies for the detection of food fraud are mainly based on profiling and fingerprinting methods. In this section, we deal with future research areas, not only related to food adulterers but also to food safety and climate change, and the need to develop interdisciplinary approaches to contemporary problems.

Guest Editor

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