

Tentative Outline

Special Issue for “Current Analytical Chemistry”

(Recent Advances in Extraction Techniques for Residue Analysis of Food Toxicants and Contaminants)

Guest Editor: Dr. Mehdi Maham

Aims & Scope:

Food Toxicants and contaminants refer to natural harmful toxins and chemicals from external raw food contamination or produced during food manufacturing, packaging, conditioning, shipping, and storage as well as environmental contaminants. This is an important topic in food safety, analytical food toxicology, heavy metal pollutants, environmental pollutants, and allergens. Despite new developments and innovations in analytical instruments, sample preparation is mainly an essential step to determine the trace levels of analytes in food samples. Recently, novel extraction techniques have been developed for the pre-concentration of food samples due to their great efficiency and reliability. This special issue focuses on introducing and comparing recent advances in extraction techniques used for toxicants and contaminants extraction from foods and food-related materials.

Keywords: Extraction techniques, Toxicants, Contaminants, Food.

Subtopics:

The subtopics to be covered within this issue are listed below:

- Recent advances in mycotoxins extraction from food.
- Recent advances in pesticides extraction from food.
- Extraction techniques for identification and quantification of pollutants transported from packaging materials to food.
- Recent advances in extraction of other organic contaminants from food.
- Recent advances in heavy metals extraction from food.
- Recent advances in using nano-adsorbents for toxicants and contaminants extraction from food.
- Recent advances in liquid-phase microextraction techniques for toxicants and contaminants analysis in food.

- Recent advances in solid-phase microextraction techniques for toxicants and contaminants analysis in food.
- Recent advances in other extraction techniques for toxicants and contaminants analysis in food.

Schedule:

- ✧ Manuscript submission deadline: 31st December 2020
- ✧ Peer Review Due: 15 February 2021
- ✧ Revision Due: 15 April 2021
- ✧ Announcement of acceptance by the Guest Editors: 15 May 2021
- ✧ Final manuscripts due: 30 June 2021

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