Special Issue

Dietary Acrylamide: An Update on Exposure and the In Vitro and Epidemiological Evidence of Health Risks

Message from the Guest Editor

Dear colleagues, Acrylamide is present in heat-treated carbohydrate-rich foods. It is classified as a probable human carcinogen (IARC class 2A), in addition, it causes neurotoxicity, reproductive and developmental toxicity in animals. The public health risks of dietary acrylamide intake remain controversial. The epidemiological evidence on the association between dietary acrylamide intake and human cancer risks is still sketchy.

To date, several epidemiological studies have shown that higher prenatal exposure to acrylamide is linked to reduced fetal growth. Therefore, for a better answer to whether current dietary acrylamide exposure entails a public health risk, more in vitro and epidemiological studies on the health effects of dietary acrylamide exposure (cancer, developmental toxicity, neurotoxicity) are urgently needed. In addition, the information on dietary exposure should be updated because measures have been taken to decrease acrylamide levels in foods, both by governments and food producers. Thus, this Special Issue focuses on estimation of current dietary acrylamide exposure and the epidemiological evidence for the health effects of dietary acrylamide intake.

Guest Editor

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Toxics (ISSN 2305-6304) is an international, peer-reviewed, open access journal which provides an advanced forum for studies related to all aspects of toxic chemicals and materials. We aim to publish high quality work that furthers our understanding of the exposure, effects, and risks of chemicals and materials in humans and the natural environment as well as approaches to assess and/or manage the toxicological and ecotoxicological risks of chemicals and materials. Please consider publishing in *Toxics* when preparing your next paper.

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