Special Issue

Food Toxicology: Effects of Food Safety Hazards on Animals and Human Cells

Message from the Guest Editors

Food safety hazards can lead to a variety of food-borne illnesses in humans, some of which are even life-threatening. Nonetheless, the molecular mechanisms and targets of most hazards remain unclear. Detailed disclosure of the toxicity mechanism and bioavailability of food safety hazards is required. Animal models and cellular models are commonly used in the toxicological evaluation of food safety hazards. While animal models offer advantages such as short reproduction cycles and genetic manipulation, they are also limited by genetic background differences and ethical considerations. In contrast, in vitro cultured cellular models compensate for these drawbacks and reflect the organism's changes from a general to a detailed level. In-depth exploration of the effects of food safety hazards on animal or human cells and the related molecular mechanisms can provide a more accurate basis for control, standardization and revision of food safety.

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Message from the Editor-in-Chief

Foods (ISSN 2304-8158) is an open access and peer reviewed scientific journal that publishes original articles, critical reviews, case reports, and short communications on food science. Articles are released monthly online, with unlimited free access. Currently, Foods has been indexed by the Science Citation Index Expanded (SCIE - Web of Science), PubMed, and Scopus. Our aim is to encourage scientists, researchers, and other food professionals to publish their experimental and theoretical results as much detail as possible. We therefore invite you to be one of our authors, and in doing so share your important research findings with the global food science community.

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