

# CALL FOR PAPERS

Food production is facing two major challenges. On the one hand, the ever growing world population requires increasing production of agricultural commodities for both human food and animal feed (food security). On the other hand, there are growing constraints linked to the safety and wholesomeness of the produced food products (food safety). Food safety and food security are interrelated: there is no food security without food safety.

Nowadays, food producers and food safety managers are facing an increasing occurrence of emerging or reemerging risks, and this is in a context of globalization and increased international exchanges as well as the developments of new products and technologies.

The aim of this special issue is to provide an update of the knowledge and important actions that have been carried out at a global scale in the field of risk assessment of chemicals in the food chain.

This includes reviews and research papers dealing with up-to-date information on the most important chemical hazards that can be found in the food chain: residues (including pesticides and veterinary drugs) and contaminants (heavy metals, POPs (Persistent Organic Pollutants), endocrine disruptors, acrylamide, and so forth) as well as toxins produced by plants, molds, and marine organisms. Not only food safety but also waste management and sustainability will be considered.

We invite authors to submit papers on emerging and reemerging risks in the food chain and research results on the identification and characterization of the hazards, on the consumers' exposure, and on the mitigation/remediation measures that can be proposed to reduce the risks.

Potential topics include but are not limited to the following:

- ▶ Hazard identification and characterization within the framework of emerging and reemerging risks
- ▶ Exposure of the general public (consumers) or some specific target groups (including biomonitoring studies)
- ▶ How to deal with precaution and uncertainties in risk assessment
- ▶ Risk ranking and risk-based control programmes
- ▶ Pesticides, additives, and flavourings
- ▶ Environmental and process contaminants
- ▶ Food contact materials and technological aids
- ▶ Veterinary drugs and growth promoting chemicals
- ▶ Transfer of antibiotic resistance genes via food
- ▶ Functional food, food supplements, and food innovation
- ▶ Organic, traditional, and local food
- ▶ Sustainability, waste management, and economic impact of food safety
- ▶ Examples of national and international programmes aiming to increase food safety
- ▶ Results from surveillance and control activities
- ▶ Trends and indicators for food safety

Authors can submit their manuscripts through the Manuscript Tracking System at <http://mts.hindawi.com/submit/journals/ijfs/ncfs/>.

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