

Special Issue

Risk Assessment of Activity, Transformation and Metabolism of Food Constituents and Contaminants

Message from the Guest Editors

Foods notoriously include a vast variety of compounds of different origin, ranging to low-molecular-weight molecules to proteins and peptides, which may exert adverse effects on living organisms at many different levels.

In this scenario, the risk assessment of food compounds requires i) their precise detection and quantification in various food matrices to provide data for exposure assessment; as well as ii) the investigation of their activity at diverse levels of complexity (i.e., from the molecular level to the whole organism), taking into account the metabolic transformations and those arising from food processing, which may modify the activity/toxicity of parent compounds; and iii) the study of the toxicokinetics and toxicodynamics, being crucial to properly assess the risks to humans.

This Special Issue is intended to collect original research papers, meta-analyses and reviews on the those aspects with emphasis on innovative methods (including NAMs—new alternative methodologies) and on the evaluation of emerging threats and mixtures towards effective risk assessment studies.

Guest Editors

Dr. Luca Dellafiora

Department of Food and Drug, University of Parma, 43124 Parma, Italy

Prof. Dr. Martina Cirlini

Department of Food and Drug, University of Parma, Parco Area delle Scienze 27/A, 43124 Parma, Italy

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Editorial Office

MDPI, Grosspeteranlage 5

4052 Basel, Switzerland

Tel: +41 61 683 77 34

foods@mdpi.com

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About the Journal

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.

Editor-in-Chief

Prof. Dr. Arun K. Bhunia

1. Department of Food Science, Purdue University, West Lafayette, IN 47907, USA

2. Department of Comparative Pathobiology, Purdue University, West Lafayette, IN 47907, USA

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