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Genetically Modified Food

Guest Editor:

Dr. Thomas Bøhn

Institute of Marine Research
(Havforskningsinstituttet),
Norway

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Message from the Guest Editor

Genetically Modified Organisms (GMOs), plants in particular, have been on the market for more than 20 years but still raise consumer concerns and scientific discourse over food safety and health issues. Herbicide-tolerant GM soy and insecticidal maize dominate agricultural production in some countries and feed a large amount of biomass into global food chains. Many other plants and organisms are in the pipeline, created with CRISPR and other new methods. However, what do we know about the quality of GMOs as food or feed products? As herbicide-tolerance traits increase herbicide residues in food and feed products, can such residues influence the nutritional composition of the plants or affect overall food quality? Are regulatory systems suited to assess potential health effects of combined exposure to insect toxins and herbicide residues? Are there other relevant food safety or health issues that may have been overlooked regarding how GMOs interact with their environment or context? These questions are more salient when research material is inaccessible due to intellectual property rights and when industry introduces even more powerful and rapid ways to create GMOs.



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Special Issue



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Editor-in-Chief

Prof. Dr. Arun K. Bhunia

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

2. Department of Comparative
Pathobiology (Courtesy), Purdue
University, West Lafayette, IN,
USA

Message from the Editor-in-Chief

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Contact Us

Foods Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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