



## Food Allergies on the Rise: The Role of Anthropogenic Chemicals

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### Message from the Guest Editors

Dear Colleagues,

Food allergies have increased dramatically in the last decade, especially in developed countries. Food tolerance requires strict maintenance of a specific microbial portfolio in the gastrointestinal tract, as changes in the gut microbiome can lead to its disruption, which in turn causes inflammation and pathogenic gut conditions leading to the development of food allergies. Based on that, what about the role of increasing anthropogenic chemicals, resulting from the new global situation? It is time to fill the knowledge gaps and understand how these interactions between environmental triggers such as industrial and traffic pollution, transition and heavy metals, pesticides, chemtrails, etc., affect food allergens and their allergenicity, adjuvant effects, and the increasing prevalence of food allergies. Some improvements in this area are already being made through advances in '-omics' technologies (i.e., proteomics, genomics, metabolomics) and systems biology approaches that will hopefully provide a scientific understanding of the relationship between increasing food allergies and the increasingly present wide variety of anthropogenic chemicals in our environment.





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## Message from the Editor-in-Chief

Addressing the environmental and public health challenges requires engagement and collaboration among clinicians and public health researchers. Discovery and advances in this research field play a critical role in providing a scientific basis for decision-making toward control and prevention of human diseases, especially the illnesses that are induced from environmental exposure to health hazards. *IJERPH* provides a forum for discussion of discoveries and knowledge in these multidisciplinary fields. Please consider publishing your research in this high quality, peer-reviewed, open access journal.

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