



Food Wastes: Opportunities, Risks, Environmental Impact and Perspectives

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Message from the Guest Editors

Recovering food wastes to recycle them into renewable resources represents a tool of global interest with both economic and environmental impacts. Food wastes can be employed as low-cost raw materials in the food and pharmaceutical industries (e.g., for the production of fertilizers or the extraction of single-cell proteins for animal feed), or used to produce biomaterials and biofuels, among others. However, a very important aspect of the application of food wastes and their by-products is the possible associated toxicological risks due to the presence of environmental pollutants and new emerging contaminants (microplastics, nanomaterials, drugs, etc.): with their high environmental persistence and poor degradability, these could be responsible for serious harm to humans, animals, and the ecosystem. This Special Issue is intended for contributions concerning methodologies, research, knowledge, and ecotoxicological approaches relating to the treatment of food wastes and their by-products, as well as experimental schemes of industrial applications for their safe and effective employment, in order to reduce their environmental impact and guarantee human and animal health.





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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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