# Special Issue

## Nanotechnology and Its Environmental Impact

### Message from the Guest Editors

The use of nanotechnology in agriculture and the environment to boost plant production and health, improve soil and water quality, and remediate contaminated environments provides alternative solutions to meet the ever-increasing food demand in an era of global climate change and pathogen outbreaks (e.g., COVID-19). However, as the use of nanomaterials in commercial products increases, there is a growing public debate about whether the environmental and social costs of nanotechnology are greater than its numerous benefits. Moreover, an insufficient understanding of the impacts of nanomaterials on the environment poses significant obstacles to their potential large-scale application. Therefore, it is essential to conduct systematic and comprehensive assessments of these nanoproducts, and the resultant knowledge can be used to predict their potential benefits and side impacts.

New research papers and reviews addressing these topics are invited for this Special Issue. Papers dealing with new approaches to risk assessment and management are also welcome.

### Guest Editors

Prof. Dr. Zhenli He

Dr. Xiaoping Xin

Dr. Beibei Liu

### Deadline for manuscript submissions

closed (25 June 2023)

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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. Scientific discoveries and advances in this research field play a critical role in providing a rational basis for informed 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 journal.

## Editor-in-Chief

Prof. Dr. Paul B. Tchounwou
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