



## Nanotoxicology and Nanosafety 4.0

Guest Editor:

**Prof. Dr. Ying-Jan Wang**

Department of Environmental  
and Occupational Health,  
National Cheng Kung University |  
NCKU, Tainan, Taiwan

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### Message from the Guest Editor

Dear Colleagues,

With the rapid development of nanotechnology, nanomaterials have been widely applied in many industrial sectors, including medicine, consumer products, and electronics. While such technology has brought benefits and convenience to our daily lives, it may also threaten human health and environmental safety. In this Special Issue, we hope to bring together significant research that advances the knowledge base on the adverse effects and regulatory aspects of nanomaterials. In vitro, in vivo, and human studies that contribute to our understanding of human health and environmental impacts are welcome.

### Keywords

- molecular and cellular mechanisms of nanomaterial intoxication
- regulatory toxicology
- nanotoxicology
- nanosafety
- ecotoxicity of nanomaterials
- adverse effects of nanomaterials in zebrafish
- adverse effects of nanomaterials in *Drosophila*
- adverse effects of nanomaterials in *C. elegans*
- risk assessment of engineered nanomaterials
- risk management of engineered nanomaterials
- biological monitoring of engineered nanomaterials
- environmental monitoring of engineered nanomaterials





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### Prof. Dr. Maurizio Battino

Department of  
Odontostomatologic and  
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Sez-Biochimica, Faculty of  
Medicine, Università Politecnica  
delle Marche, Via Ranieri 65,  
60100 Ancona, Italy

## Message from the Editor-in-Chief

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*International Journal of Molecular  
Sciences* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

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