

Special Issue

Molecular Mechanisms of Toxicity Induced by Engineered Nanomaterials

Message from the Guest Editor

Engineered nanomaterials are now ubiquitous in various products and are utilized across different industrial sectors. The increased use of nanomaterials raises questions regarding the balance between their benefits and the potential hazards that they pose to human health in occupational settings. We aim to unravel the potential molecular mechanisms of toxicity induced by engineered nanomaterials, which includes examining various toxicokinetic and toxicodynamic effects in primary and secondary target organs. We would like to publish *in vitro*, *in silico*, *in chemico*, and *in vivo* data bridging the gap between *in vivo* studies and new approach methodologies (NAMs). We are particularly interested in human exposure–effect and epidemiological studies. Our goal is to enhance the understanding of this topic, ultimately improving the reliability and predictability of methods for the next-generation risk assessment of engineered nanomaterials.

Guest Editor

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