



Toxicity Evaluation of Nanoparticles

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Message from the Guest Editors

Dear Colleagues,

The increasing production and application of nanomaterials inevitably release these materials into the environment, causing adverse impacts on the eco-systems and human health. Such toxicities must be reliably assessed, mechanisms elucidated, and risk predicted. Therefore, it is essential to develop powerful methods for evaluation of nanotoxicity, such as in vitro methods (e.g. cell based or cell free testing), animals tests (e.g. zebra fish), and computational modeling. Given this background, this Special Issue will assemble high-quality original research and reviews papers highlighting investigations on nanotoxicity using various biological models and in-depth mechanism elucidation. This special issue will also focus on applications of advanced machine learning, deep learning algorithms in nanotoxicity modeling and prediction, and molecular simulation in elucidation of the mechanisms for emerging nanomaterials.

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Guest Editor





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Message from the Editor-in-Chief

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