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Nanotoxicology - Current State and Development Prospects

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Message from the Guest Editors

Dear Colleagues,

Nanoparticles occur in both aquatic and terrestrial environments. They can be artificially produced and derived from anthropogenic materials as a result of degradation. The potential for contamination of their environment comes at different stages of product consumption, and due to their size, they can penetrate the organisms of animals in many ways. It is crucial to determine the impact of nanoparticles on functioning ecosystems, and particularly important to assess the dynamics of physicochemical changes of nanoxenobiotics in changing environmental conditions, as well as their impact on living organisms and functioning trophic connections. Therefore, it seems necessary to support further research on the properties and influence of nanoparticles on the organisms of animals, as well as research aimed at selecting the best animal models for nanoparticle research in various fields. Such studies will support the effective estimation of the toxicity of nanoproducts in the natural environment and the development of nanoecotoxicology.

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Message from the Editor-in-Chief

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