Special Issue

Nanotoxicology - Current State and Development Prospects

Message from the Guest Editors

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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Deadline for manuscript submissions

closed (31 July 2021)

Animals

an Open Access Journal by MDPI

Impact Factor 2.7
CiteScore 5.2
Indexed in PubMed

mdpi.com/si/64779

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Message from the Editor-in-Chief

Animals is an on-line open access journal that was first published in 2011. *Animals* adheres to rigorous peerreview and editorial processes and publishes only high quality manuscripts that address important issues in the many varied disciplines that involve animals, with a focus on animal science, animal welfare and animal ethics. *Animals* is covered in the Science Citation Index Expanded (SCIE) in Web of Science, with the latest Impact Factor: 2.7 (2024, ranks 15/86 (Q1) in 'Agriculture, Dairy & Animal Science'; 21/170 (Q1) in 'Veterinary Sciences'), 5-Year Impact Factor: 3.2.

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