

## Special Issue

# Developmental and Reproductive Toxicity of Nanoparticles in Animals

### Message from the Guest Editor

Owing to the development of nanotechnology, nano-materials have developed rapidly in the animal husbandry and veterinary industries. Due to their mature synthesis process, good stability, favorable surface modifications, special hollow structures, large specific surface areas, and strong adsorption capacity, nanoparticles (NPs) have been widely used in feed additives, veterinary drugs, and animal vaccines. However, NPs can be toxic, with their toxicity level depending mainly on their physicochemical properties. Owing to their small particle size, NPs are able to penetrate the physiological barrier and enter the blood circulation to reach various organs and accumulate in non-target tissues, leading to acute and chronic toxicity. More and more studies have revealed NP-induced developmental and productive toxicity, including testicular toxicity, ovarian toxicity, and others. In light of concerns about reproductive toxicity, the Editors of *Animals* are setting up a Special Issue “Developmental and Reproductive Toxicity of Nanoparticles in Animals”. Submissions can include original research articles and comprehensive reviews related to this title.

### Guest Editor

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### Deadline for manuscript submissions

closed (28 February 2025)



## Animals

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## About the Journal

### 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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### Editor-in-Chief

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