

Special Issue

The Impact of Environmental Pollution on the Health and Welfare of Terrestrial and Aquatic Animals

Message from the Guest Editors

Despite restrictions and growing awareness, environmental pollutants remain a threat. They exist in water, soil, and air, undergoing transformations and interactions. Their presence in the environment leads to accumulation and biomagnification in trophic chains. Heavy metals, pesticides, and microplastics are emerging pollutants due to industrialization waste. Exposure to heterogeneous particles with diverse biological properties amplifies toxic impacts on organisms at cellular and subcellular levels, disturbing homeostatic mechanisms. This Special Issue focuses on the influence of environmental pollutants on experimental models like cells, organs, and animals, as well as ecotoxicological studies on exposure risks. It includes studies on free-living, farm, and companion animals, aiming to present a comprehensive view of exposure in various environments shared with animals. We welcome submissions related to the effects of biotic and abiotic factors on animals.

Guest Editors

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Prof. Dr. Michal Skibniewski

Deadline for manuscript submissions

closed (15 July 2025)



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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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