

## Special Issue

# Sentinel Species and Environmental Pollutants Exposure in Animal Health

### Message from the Guest Editors

Environmental pollution represents a serious risk to humans, animals, and ecosystems. Although there have been significant advances in toxicology and eco-friendly approaches, anthropogenic activities are responsible for the continuous and increasing spread of inorganic and organic contaminants (heavy metals, polycyclic aromatic hydrocarbons, PCBs, pesticides, drugs, plasticizers, microplastics, etc.). In studies on pollutant exposure and risk assessment, animal species are often used as sentinels and valid bioindicators to evaluate environmental pollution and, at the same time, animal health status, in consideration of their habitats. A significant contribution is made using animals at the top of aquatic and terrestrial food chains, particularly predatory fishes, marine mammals, wild species, birds, insects, and, recently, companion animals, as sentinels of public health. This Special Issue welcomes new methodologies and research on the following topics: ecotoxicological approaches to analysis, risk assessment for both environmental and animal health, the current state of knowledge, and future directions of research in this field.

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### Guest Editors

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### Deadline for manuscript submissions

30 June 2026



## Animals

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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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### Editor-in-Chief

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