

Special Issue

Potential Health Effects of Environmental Pollution Exposure on Animals

Message from the Guest Editors

Environmental pollution significantly threatens animal health through pollutants such as heavy metals, pesticides, microplastics, persistent organic pollutants (POPs), air pollutants, and industrial by-products. These contaminants accumulate in both terrestrial and aquatic environments, causing acute and chronic effects on animals and disrupting physiological, reproductive, behavioral, immunological, and developmental processes.

This Special Issue invites contributions that explore the biological and toxicological effects of environmental pollution on animals. We welcome original research and reviews from laboratory and field studies investigating toxicity mechanisms, bioaccumulation, and biological responses to pollutants. Topics include cytotoxicity, genotoxicity, endocrine disruption, oxidative stress, reproductive issues, histopathological changes, and behavioral alterations.

Submissions on wildlife, livestock, companion animals, or experimental models are encouraged, especially research on emerging contaminants, detection methods, and biomarkers, which enhance understanding of pollutants' effects on animal health and inform environmental protection strategies.

Guest Editors

Prof. Dr. Arely Anaya-Hernandez

Dr. Omar Cruz-Santiago

Dr. Juan Pablo Huchín-Mian

Dr. Ana Luísa Patrício da Silva

Deadline for manuscript submissions

15 April 2026



Environments

an Open Access Journal
by MDPI

Impact Factor 3.7
CiteScore 5.7



mdpi.com/si/244640

Environments
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
environments@mdpi.com

[mdpi.com/journal/
environments](https://mdpi.com/journal/environments)





Environments

an Open Access Journal
by MDPI

Impact Factor 3.7
CiteScore 5.7



[mdpi.com/journal/
environments](https://mdpi.com/journal/environments)



About the Journal

Message from the Editor-in-Chief

Environmental issues are quickly becoming central political, economic and academic topics of the twenty-first century. A large number of modern challenges are directly or indirectly caused by complex interactions between environmental issues. Such issues require interdisciplinary research, knowledge and insights to understand and, ultimately, for solutions to be found. Through the journal *Environments*, we strive to create a platform for meaningful discourse by accepting contributions from a wide range of fields. We sincerely hope you will consider publishing your distinguished work in this highly-accessible, peer-reviewed journal.

Editor-in-Chief

Prof. Dr. Sergio Ulgiati

1. Department of Science and Technology, Parthenope University of Naples, Centro Direzionale, Isola C4, 80143 Napoli, Italy

2. School of Environment, State Key Joint Laboratory of Environment Simulation and Pollution Control, Beijing Normal University, No. 19 Xijiekouwai Street, Beijing 100875, China

Author Benefits

High Visibility:

indexed within Scopus, ESCI (Web of Science), PubAg, AGRIS, GeoRef, and other databases.

Journal Rank:

JCR - Q2 (Environmental Sciences) / CiteScore - Q1 (Ecology, Evolution, Behavior and Systematics)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 19.2 days after submission; acceptance to publication is undertaken in 3.4 days (median values for papers published in this journal in the first half of 2025).