



## Effects of Pollutants on Fish

Collection Editors:

**Prof. Dr. Francesco Fazio**

**Dr. Stefano Cecchini Gualandi**

**Dr. Gioele Capillo**

**Dr. Gaetano Cammilleri**

### Message from the Collection Editors

Dear Colleagues,

Today, a great part of pollutants exhibit biomagnification and bioaccumulation capabilities with a broad spectrum of impacts and can stress aquatic organisms. Fish have been widely documented as indicators of environmental water quality. This Special Issue also welcomes epidemiological studies on the presence and accumulation of pollutants in wild and farmed fish in order to give a comprehensible comparison on the presence of toxicants. Epidemiological studies focused on the analysis of the accumulation levels of pollutants in the tissues of benthonic, demersal, and pelagic fish are also welcome.

Potential topics include:

1. Hematological response to environmental pollution in fish
2. Chemical pollution in aquatic environment and oxidative stress in teleost
3. Pollution and immune response in fish
4. Aquatic animal (fish) models for bioaccumulation
5. The toxicological effects of pollutants on physiological functions in fish
6. Effects of chemical stressors at the biochemical and cellular levels
7. Epidemiological studies on the presence of pollutants in fish
8. Morpho-physiological adaptations of fish to water pollutants





an Open Access Journal by MDPI

## Editor-in-Chief

### Prof. Dr. Clive J. C. Phillips

1. Institute of Veterinary Medicine  
and Animal Sciences, Estonian  
University of Life Sciences,  
Kreutzwaldi 1, 51014 Tartu,  
Estonia  
2. Curtin University Sustainability  
Policy (CUSP) Institute, Kent St.,  
Bentley 6102, Australia

## 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: 3.0 (2022, ranks 12 /62 (Q1) in ‘Agriculture, Dairy & Animal Science’; 13/143 (Q1) in ‘Veterinary Sciences’), 5-Year Impact Factor: 3.2.

## Author Benefits

**Open Access:** free for readers, with article processing charges (APC) paid by authors or their institutions.

**High Visibility:** indexed within Scopus, SCIE (Web of Science), PubMed, PMC, Embase, PubAg, AGRIS, Animal Science Database, CAB Abstracts, and other databases.

**Journal Rank:** JCR - Q1 (*Veterinary Sciences*) / CiteScore - Q1 (*General Veterinary*)

## Contact Us

*Animals* Editorial Office  
MDPI, St. Alban-Anlage 66  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/animals](http://mdpi.com/journal/animals)  
[animals@mdpi.com](mailto:animals@mdpi.com)  
[X@Animals\\_MDPI](https://twitter.com/Animals_MDPI)