

## Special Issue

# Conservation Genetics: From Host to Microbiome

### Message from the Guest Editor

The animal microbiome (e.g., gut microbiome) plays an essential role in host health and development. An increasing number of studies have determined that animal conservation should also focus on conserving their symbiotic microbiome. For example, anthropogenic influence resulting in habitat loss and fragmentation has led to the loss of either host genetic diversity or symbiotic microbial diversity. Globalization and urbanization also profoundly affect host genetic diversity and symbiotic microbiome. Humans pass their microbiome into wildlife living in the city, and some of these bacteria are opportunistic pathogens. Recently, the conservation metagenome has pushed animal conservation forward by integrating the levels from host genetics and symbiotic microbiome. Thus, we invite you to submit your recent findings to this Topic on “Animal Conservation Genetics: From Host to Microbiome” in the form of original research or review articles and communications.

---

### Guest Editor

Dr. Lifeng Zhu

College of Life Sciences, Nanjing Normal University, Nanjing 210046, China

---

### Deadline for manuscript submissions

closed (11 November 2023)



## Animals

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.7  
CiteScore 5.2  
Indexed in PubMed



[mdpi.com/si/127873](https://mdpi.com/si/127873)

*Animals*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[animals@mdpi.com](mailto:animals@mdpi.com)

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





# Animals

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.7  
CiteScore 5.2  
Indexed in PubMed



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



## 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.

---

### Editor-in-Chief

Prof. Dr. Clive J. C. Phillips

1. Curtin University Sustainable Policy (CUSP) Institute, Curtin University, Kent St., Bentley, Western Australia 6102, Australia
  2. Former Foundation Professor of Animal Welfare, University of Queensland and Foundation Director, Centre for Animal Welfare and Ethics, University of Queensland, Brisbane, Australia
- 

### 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 )