



*animals*



an Open Access Journal by MDPI

## Paleoecology, Genomics and Genetic Diversity of American Bison and Other Bovine Species

Guest Editor:

**Dr. Igor Ovchinnikov**

Department of Biology, University  
of North Dakota, Grand Forks,  
ND, USA

Deadline for manuscript  
submissions:

**1 July 2024**

### Message from the Guest Editor

This Special Issue is an inspiring opportunity to publish cross-disciplinary studies on stable isotope paleoecology and evolutionary changes in the genome diversity of different bovine species. We encourage authors to submit manuscripts based on different approaches to the study of paleoecology, including stable isotopes, genomics, the genetic diversity of maternal and paternal lineages, SNPs and other polymorphisms in nuclear genomes, dental calculus and gut microbiomes, and the microscopy of microfossils preserved in dental calculus. Manuscripts on morphometric analysis of the bovine species as it relates to adaptation to past climate changes are also aligned with the goals of the Special Issue. Considering the important economic, social, and spiritual role of bovine species in human civilization and for different nations, we welcome manuscripts developed from collaboration with Indigenous people and local communities on the comparison of historical and genetic records of bovine species.

You may choose our [Joint Special Issue](#) in *Diversity*.



[mdpi.com/si/149760](https://mdpi.com/si/149760)

# Special Issue



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)