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Genome Sequence and Analysis for Animal Ecology and Evolution

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Message from the Guest Editor

This Special Issue aims to provide a comprehensive overview of the state of the art in animal genome sequencing and analysis for the study of ecology and evolution.

The Special Issue will cover a broad range of topics, including but not limited to:

Deadline for manuscript
submissions:

29 August 2024

- De novo genome sequencing information of new species or improved re-sequencing information of known species.
- Comparative genomics of animals from different environments and habitats, highlighting the genetic basis of adaptation to different ecological niches.
- Phylogenetic analysis of animal genomes to understand the evolutionary relationships between species and the timing of major evolutionary events.
- Genome-wide association studies and quantitative trait locus analysis to identify the genetic basis of complex traits in animals, such as disease resistance, behavior, and morphology.
- Studies on the impact of environmental change on animal populations and their genomes, including the effects of climate change and habitat fragmentation.
- Genomic approaches to conservation biology, including the identification of genetic markers for population monitoring and management.



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Special Issue



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Message from the Editor-in-Chief

Diversity (ISSN 1424-2818) is a scholarly journal that covers all areas of diversity research. Our distinguished editorial board and refereeing process ensures the highest degree of scientific rigor for publishing. Original research articles and timely reviews are released online, with unlimited free access.

We invite papers and reviews on multidisciplinary topics of diversity that bridge organismic diversity (systematics, biodiversity, phylogeny, population genetics, and evolution) and molecular diversity (phytochemistry and biophysics).

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