

Special Issue

Genetics and Genomics in Wildlife Health and Conservation Research

Message from the Guest Editors

Genetics and genomics are central to understanding, monitoring and improving wildlife health and conservation outcomes. By analysing genetic variation within and between populations, researchers can assess population structure, genetic diversity, reproductive success, and levels of inbreeding or outbreeding. These are key indicators of a species' resilience to disease, environmental change, and extinction risk. In the field of wildlife health, genetic tools can be used to identify pathogens, track disease transmission and gain insight into host–pathogen interactions. In conservation research, genetics informs decisions about species management and recovery. Overall, genetics provides a powerful, evidence-based foundation for assessing the health of wildlife and planning its conservation, linking molecular-level information to ecosystem-scale management and long-term species survival. Thus, this Special Issue will focus on the recent advances in wildlife health and conservation research based on genetic and genomic techniques.

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Message from the Editor-in-Chief

Genes is central to our understanding of biology, and modern advances such as genomics and genome editing have maintained genetics as a vibrant, diverse and fast-moving field. There is a need for good quality, open access journals in this area, and the *Genes* team aims to provide expert manuscript handling, serious peer review, and rapid publication across the whole discipline of genetics. Starting in 2010, the journal is now well established and recognised. Why not consider *Genes* for your next genetics paper?

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