

## Special Issue

# Population Genetics and Conservation of Amphibians and Reptiles

### Message from the Guest Editor

This Special Issue aims to bridge the gap between theoretical population genetics and on-the-ground conservation practice for these vulnerable vertebrates. We welcome contributions that utilize cutting-edge approaches—such as environmental DNA (eDNA), high-throughput sequencing, and gene editing technologies—to investigate topics including adaptive potential, genetic diversity, and behavioural phenotypes, among others, within the framework of environmental change. We especially encourage studies that translate genetic discoveries into actionable conservation strategies—for instance, by guiding assisted gene flow initiatives, developing science-based reintroduction protocols, or assessing evolutionary resilience. Manuscripts featuring highly innovative, data-driven research, as well as those integrating socio-humanistic perspectives, are also invited. By integrating the most recent advancements across these areas, this Special Issue seeks to establish a foundation for evidence-based and evolutionarily grounded conservation measures aimed at protecting globally imperilled herpetofauna.

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### Guest Editor

Dr. Fang Yan  
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### Deadline for manuscript submissions

25 August 2026



## Biology

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### Message from the Editorial Board

A major strength of biological science is the diversity of approaches that biological scientists apply to their research problems. *Biology* reflects this diversity and brings together studies employing the varied experimental and theoretical approaches that are fueling biological discovery. *Biology*, the journal, is a fully peer-reviewed publication with a rapid and economical route to open access publication and is listed on PubMed. All articles are peer-reviewed and the editorial focus is on determining that the work is scientifically sound rather than trying to predict its future impact.

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