

Special Issue

Phylogeography, Speciation, and Molecular Evolution in Freshwater Aquatic Fauna

Message from the Guest Editors

Freshwater ecosystems represent important centers of biodiversity and provide excellent models for investigating evolutionary processes. We seek contributions that investigate how geographical isolation, habitat heterogeneity, and environmental variation have influenced genetic diversity and the evolutionary history of freshwater organisms.

Topics of interest include comparative phylogeography among freshwater taxa, identification and characterization of cryptic species, evolutionary diversification in isolated aquatic systems, population genetic structure of endemic fauna, and impacts of quaternary climate changes on species distributions and divergence. We encourage studies utilizing various molecular techniques, ranging from DNA barcoding and phylogenetic reconstruction to population genomic and phylogenomic approaches based on high-throughput sequencing.

We welcome research on diverse taxonomic groups, including fishes, crustaceans, mollusks, aquatic insects, and other invertebrates, from freshwater environments globally. Both empirical research and methodological contributions that advance freshwater evolutionary biology are encouraged.

Guest Editors

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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.

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