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Genomic Analyses of Avian Evolution

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Message from the Guest Editors

Dear Colleagues,

Birds have been the focus of pioneering studies of evolutionary biology for generations, largely because they are abundant, diverse, conspicuous, and charismatic. Ongoing extensively collaborative programs to sequence whole genomes or a variety of pan-genomic markers of all 10,000 species of living birds further promise to keep birds in the limelight in the near and indefinite future. Such comprehensive taxon sampling provides untold opportunities for comparative studies in well documented phenotypic, adaptive, ecological, behavioral, and demographic contexts, while elucidating differing characteristics of evolutionary processes across the genome and among lineages.

This Special Issue will feature a broad spectrum of original research articles reflecting comprehensive taxonomic sampling projects, the genomic basis and evolution of specific adaptive traits, genome structural variation among lineages, and phylogenetic signal of pan-genomic markers in novel contexts to address potential incomplete lineage sorting. Genomic studies of avian phylogeography and of extinct birds are also anticipated.



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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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