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Genetics of Neotropical fishes: Conservation, Management and Evolution

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Deadline for manuscript submissions:

closed (31 July 2019)

Message from the Guest Editors

Dear colleagues,

Neotropical fish are one of the most diverse animal groups, representing ~10 % of all living vertebrate species (~ 6000 species). This group inhabits a broad variety of environments, including both freshwater, brackish water and marine ecosystems, which highlights their interest for the study of evolutionary processes. The knowledge of the genetic status of these species (including their diversity, chromosome analyses, population structure, connectivity and local adaptations) is a key issue for the application of proper management and conservation actions, to ensure their sustainability and evolution.

This Special Issue accepts submissions of research articles, reviews and short communications focused on the genetics of Neotropical fish including, but not limited to, studies of phylogeography, cytogenetics, population genetics, conservation, description of endemisms, local adaptations, genetic monitoring and landscape analyses. Moreover, genetic studies of invasive species which can compromise the future of native species, and of species with interest for aquaculture in the Neotropical Region with emphasis on their sustainable production will be also welcome.



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Special Issue



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Message from the Editor-in-Chief

Genes are central to our understanding of biology, and modern advances such as genomics and genome editing have maintained genetics as a vibrant, diverse and fastmoving 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.

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