



## Genetics and Evolution of Fishes

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### Message from the Guest Editors

Dear Colleagues,

Fishes comprise a very diverse group of species with high morphological and adaptive variation. To date, there are still controversies about the taxonomic status and evolutionary origin of some groups of fish. The complexity of fishes is reflected in their genetics; for example, they are the group of species with the greatest variety of sex determination systems, in addition to not having a defined sex master gene, such as the *Sry* gene in mammals. Another example of the complexity of the fishes is the different genome duplication events observed in some evolutionary lines, such as the actinopterygians, the salmoniformes, or certain cypriniformes. All of these aspects have made fishes the focus of much research focused on their genetics and evolution. This Special Issue aims to contribute to increasing and deepening our knowledge of the genetics of fish and their evolutionary strategy.





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## Editor-in-Chief

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## Message from the Editor-in-Chief

*Fishes* is a multidisciplinary open access journal focusing on reports of original research and critical reviews and synthesis from the broad area of fishes and aquatic animals. The ultimate objective of *Fishes* is to facilitate the discovery of connections between research areas, advancing science and filling knowledge gaps, and providing solutions for all present and future issues encountered in the sector of fisheries and aquaculture. As Editor-in-Chief, I encourage you to consider *Fishes* for your scientific papers and would be pleased to welcome you as one of our authors.

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