

## Special Issue

# Genetics and Evolutionary Biology of Aquatic Invasive Organisms

### Message from the Guest Editor

The special volume aims to compile innovative research and in-depth analyses shedding light on the intricate genetic mechanisms and evolutionary processes underlying the invasion of aquatic organisms into global ecosystems. We invite renowned experts and emerging researchers to contribute high-quality papers with clear and robust hypotheses, tested through appropriate methodologies, and discourage exclusively descriptive manuscripts. From the molecular mechanisms propelling invasion to the evolutionary adaptations enabling persistence in new environments, this volume aims to concentrate significant reading for scientists, environmental managers and all committed to understanding and addressing the challenges posed by invasive aquatic organisms. Join us on this fascinating journey into the world of genetics and evolutionary biology as we unravel the secrets behind the invasion of aquatic organisms, magnified by globalization and critically established in the face of global climate change, opening new horizons for research and aquatic biota conservation.

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### Guest Editor

Dr. Roberto Ferreira Artoni

Department of Structural, Molecular, and Genetic Biology, Universidade Estadual de Ponta Grossa, Ponta Grossa, Brazil

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### Deadline for manuscript submissions

closed (31 January 2025)



## Fishes

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## About the Journal

### 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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### Editor-in-Chief

Prof. Dr. Maria Angeles Esteban

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