Special Issue

Aquatic Toxicology, Fish Physiology and Aquaculture Research in Zebrafish Model

Message from the Guest Editors

Our aquatic ecosystems face unprecedented pollution from substances like heavy metals, pesticides, and microplastics. These pollutants are not just harming the environment but directly impacting fish's health, which are vital indicators of aquatic ecosystem health. Recent breakthroughs in aquatic toxicology have unveiled the damaging effects of these pollutants on fish, showing that they can disrupt vital processes such as growth, reproduction, and behavior. At the same time, advances in fish physiology have shed light on the mechanisms by which pollutants interfere with essential biological systems, including the cardiovascular, nervous, and endocrine systems. Together, these fields advance our understanding of the complex interactions between environmental stressors and fish health. Moreover, increasing pollution has induced water quality deterioration, resulting in aquaculture disease problems. The zebrafish has increasingly been utilized as a model for studying disease control in aquaculture fish species.

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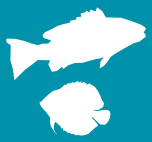

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Message from the Editor-in-Chief

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.

Editor-in-Chief

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