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The Impact of the Changing Environment on the Physiology of Aquatic Organisms

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Deadline for manuscript submissions:
closed (15 December 2023)

Message from the Guest Editors

Dear Colleagues,

For millions of years, fishes have adapted to their environment, which has remained rather stable at least since the last mass extinction. However, in less than a century, human pressures have modified this environment so dramatically. The results of this include a dramatic ongoing reduction in and fragmentation of wild spaces, together with an increase in physical barriers and physical and chemical pollutants. Moreover, these same human activities are inducing dramatic climatic changes, with all of the associated threats. Thus, aquatic organisms are also facing increases in temperature and the increased acidification and salinity of oceans, together with changes in sea currents, oxygen concentrations, eutrophication and blooms of algae and microorganisms, as well as the invasion of migratory species. This conjunction of threats places organisms, communities, and ecosystems in danger. The current Special Topic aims at collecting original and review papers which investigate how one or more of these threats are affecting, individually or collectively, the metabolism and physiology of marine and freshwater species.

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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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