Special Issue

Reproductive Biology and Breeding of Fish

Message from the Guest Editors

Reproductive biology and breeding are very important to maintain sustainable development for the fish aquaculture industry. On the other hand, some bottlenecks remain to be conquered in fish culture, such as accurate reproductive cycle control and scaled seedlings production of some fish species, such as the Japanese eel, tuna, seriola, salmon, European seabass and neotropical fishes, among others. Accordingly, the first step to improve and solve aquaculture bottlenecks is understanding the basic aspects of fish reproductive physiology, including the behavioral, physiological, cellular and molecular mechanisms underlying reproduction. The management of sexual maturation and natural spawning of captive-reared fish broodstocks plays an essential role in obtaining stable and healthy fertilized eggs. However, some issues exist during the development and growth of embryos, larvae and juveniles, which restrict the seedling production of fish. These fundamental and technological problems need to be addressed and clarified, which would be helpful for the construction of stable reproductive cycle control and seedlings production technology for fish.

Guest Editors

Prof. Dr. Yongjiang Xu

Prof. Dr. Bin Wang

Dr. Rafael Nóbrega

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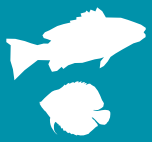
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
fishes@mdpi.com

mdpi.com/journal/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.

Editor-in-Chief

Prof. Dr. Maria Angeles Esteban
Department of Cell Biology and Histology, Faculty of Biology, University of Murcia, 30100 Murcia, Spain

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