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Skeletal Development of Fishes: Using New Technologies to Study Bone Biology

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Deadline for manuscript submissions:
30 April 2025

Message from the Guest Editors

The skeleton has multiple functions in finfish species, such as protection, locomotion, mineral metabolism, and lipid storage. It undergoes major changes throughout the growth of the fish, especially during its early developmental stages. Although traditional techniques used in skeletal development (both normal and abnormal) and even skeletal diseases (e.g., osteogenesis imperfecta and osteomalacia) are well established, the use of new technologies remains limited. In this context, the rapid development of next-generation sequencing technologies and bioinformatics could aid significant breakthroughs in research focusing on fish bone biology. Therefore, for this Special Issue of *Fishes,* we invite authors to submit original research articles and reviews that focus on the field of bone biology for the finfish species, particularly studies that adopt an interdisciplinary approach and examine bone biology from various perspectives within the broader field of fish biology. The ultimate objective is to establish connections between different research areas of bone biology and fill knowledge gaps by providing solutions for all issues in the sector of fish biology, both present and future.

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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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