

Special Issue

Nutritional, Environmental, and Anthropogenic Influence in Molecular Pathways Involved in Fish Development

Message from the Guest Editor

It is well known that nutritional, environmental, and anthropogenic factors affect the development of an organism. They can both promote or alter the correct process of ontogenesis through tightly orchestrated and complex mechanisms. Fish research in this area is continuously increasing because of its significance in terms of biodiversity management and aquaculture practices. Moreover, fish have been proven to serve as models for medical research since they share molecular signatures and histopathological features with human diseases. This Special Issue aims to gather the recent advances in the understanding of how these factors influence the intricate process of fish development leading to normal or abnormal/unhealthy phenotypes. Original research and reviews on developmental biology, physiology, cell biology, epigenetics, developmental plasticity, morphogenesis, etc. from a molecular perspective are welcome, especially those using integrative omics (or multi-omics) approaches. Both fundamental and applied research are appreciated.

Guest Editor

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