



animals



Special Issue Reprint

Morphological and Physiological Research on Fish

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The Special Issue “Morphological and Physiological Research on Fish” focuses on the application of morphological and physiological research conducted on fish, with the goal of providing information on the relevance of morphological studies and their relationships to functions. Fish are not only the largest and most diverse group of vertebrates, but they also have a wide range of applications in research and industry. Furthermore, aquaculture is one of the most efficient and environmentally friendly ways to generate high-quality protein. In addition, in recent years, fish have emerged as an intriguing model system in biomedical research, owing to their strong resemblance to mammals in terms of several fundamental systems. Morphological studies give us context for understanding the spatial organization and link between physiological and biochemical data, as well as the molecular machinery that is rapidly being explained using molecular approaches focused on the genome, transcriptome, and proteome. As a result, new morphological and physiological studies of fish would improve our comprehension of these species, with extraordinary and exciting implications for both basic and applied studies. Many authors contributed to the Special Issue with ten original pieces and four reviews. The themes covered ranged from descriptive morphology to morphometry, stress markers to toxic compounds, wild to aquaculture or model species, and involved various organs and apparatus. Morphometrical and morphological research were the most numerous contributions in this Special Issue.



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