

Special Issue

Molecular Genetics in Aquaculture: Practical Applications for Sustainable Production

Message from the Guest Editors

This Special Issue will showcase cutting-edge research that bridges the gap between molecular discovery and practical aquaculture solutions. By harnessing genetic potential, we can pave the way for a more productive, resilient, and sustainable aquaculture industry. This Special Issue will compile papers presenting both fundamental and applied research on the application of molecular genetics to enhance aquaculture sustainability. Original research articles and reviews are welcome. Research areas may include (but are not limited to) the following: molecular breeding, genomic selection, genetic markers, molecular mechanisms of disease resistance, gene editing for enhancing thermotolerance and growth traits, functional genomics of reproduction for controlled spawning and larval quality, stress response, and integrating omics to decipher complex production traits.

Guest Editors

Dr. Ming Wen
Dr. Yuqin Shu
Dr. Shi Wang

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Message from the Editor-in-Chief

Animals is an on-line open access journal that was first published in 2011. *Animals* adheres to rigorous peerreview and editorial processes and publishes only high quality manuscripts that address important issues in the many varied disciplines that involve animals, with a focus on animal science, animal welfare and animal ethics. *Animals* is covered in the Science Citation Index Expanded (SCIE) in Web of Science, with the latest Impact Factor: 2.7 (2024, ranks 15/86 (Q1) in 'Agriculture, Dairy & Animal Science'; 21/170 (Q1) in 'Veterinary Sciences'), 5-Year Impact Factor: 3.2.

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