

Special Issue

Healthy and High-Quality Fish Farming

Message from the Guest Editor

The production of healthy and high-quality fish is an important goal to achieve a successful and competitive aquaculture. Despite the large amounts of fish larvae produced, in most cases the growth potential is not completely achieved, because the survival rates are often low: many gaps in knowledge concerning fish farming are still present. Future growth of aquaculture depends on specific scientific knowledge of (1) the biology of muscle growth and development, (2) the genetic basis of meat quality, and (3) the influence of environmental factors on fish growth as well the quality of the product. The scientific research should focus on identifying crucial points in development and growth. In addition to muscle fibers, skeletal muscle contains many cell types, including adipocytes, fibroblasts, osteocytes, capillary endothelial cells, macrophages and leukocytes. The interactions between all these cell types are still poorly understood but certainly play a significant role in determining growth and quality.

Guest Editor

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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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