



Healthy and High-Quality Fish Farming

Guest Editor:

Dr. Alessia Di Giancamillo

Department of Veterinary
Medicine, Università degli Studi
di Milano, Via dell'Università 6,
26900 Lodi, Italy

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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 are 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.





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Prof. Dr. Clive J. C. Phillips

1. Institute of Veterinary Medicine
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Kreutzwaldi 1, 51014 Tartu,
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2. Curtin University Sustainability
Policy (CUSP) Institute, Kent St.,
Bentley 6102, Australia

Message from the Editor-in-Chief

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Animals Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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