

Special Issue

Functional Genomics in Aquatic Species – Gene Expression and Epigenetic Modifications

Message from the Guest Editors

Aquatic animals are of great ecological and economic importance and are studied with the aim of understanding basic biological processes by providing insights into the structure and function of higher vertebrate systems. Furthermore, such studies intend to answer questions mainly related to animal production or environmental interactions. Technological advances, mainly in sequencing technologies, enhanced our ability to study various molecular components and expanded our knowledge in transcriptomics and epitranscriptomics across many aquatic organisms. Cultured aquatic animals are studied mainly focusing on reproduction, development, nutrition, growth and responses to stress and diseases. The aim of this Special Issue is to collect the most recent advances in interdisciplinary research conducted in functional genomics of aquatic animals. We invite you to share your scientific expertise in transcriptomics and epigenetics of aquatic organisms. We look forward to receiving your contributions.

Guest Editors

Dr. Emmanouil Malandrakis

Laboratory of Applied Hydrobiology, Department of Animal Science, Agricultural University of Athens, 11855 Athens, Greece

Dr. Ioannis Konstantinidis

Faculty of Biosciences and Aquaculture, Nord University, 8006 Bodo, Norway

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Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
animals@mdpi.com

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About the Journal

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.

Editor-in-Chief

Prof. Dr. Clive J. C. Phillips

1. Institute of Veterinary Medicine and Animal Sciences, Estonian University of Life Sciences, Kreutzwaldi 1, 51014 Tartu, Estonia
2. Curtin University Sustainability Policy (CUSP) Institute, Kent St., Bentley 6102, Australia

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