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Reproduction in Aquatic Animals

Guest Editors:

Dr. Beata Irena Cejko

Department of Gamete and Embryo Biology, Institute of Animal Reproduction and Food Research, Polish Academy of Sciences, Olsztyn, Poland

Dr. Agata Kowalska

Department of Fisheries Bioeconomics, The Stanisław Sakowicz Inland Fisheries Institute, Olsztyn, Poland

Prof. Dr. Roman Kujava

Department of Lake and River Fisheries, Uniwersytet Warmińsko-Mazurski w Olsztynie, Olsztyn, Poland

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closed (31 May 2023)

Message from the Guest Editors

Dear Colleagues,

The reproduction of aquatic animals is a very important part of aquaculture. To date, most aquatic animals and fish species are reproduced under controlled conditions, which is important in terms of increasing fish production. The most important aspect of controlled fish reproduction is the obtaining of high quality gametes. On the other hand, the quality of gametes produced under controlled conditions is determined by numerous factors, e.g., water quality, diet, and health status. Since reproduction is a typical bottleneck in the practice of animal production, the assessment of gamete quality plays a vital role in aquaculture practice, quite often determining the outcome of profits. Moreover, the estimation of gamete quality is a basic tool for the biologist working with endangered species. The aim of this Special Issue is to stimulate a discussion of and share information on applied reproduction in aquatic animals, focusing on the following topics: artificial reproduction; the management of collected gametes, egg and sperm quality assessment, sperm short-term storage and cryopreservation for improved reproduction, as well as the causes of reproductive failure.



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Special Issue



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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

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: 3.0 (2022, ranks 12 /62 (Q1) in ‘Agriculture, Dairy & Animal Science’; 13/143 (Q1) in ‘Veterinary Sciences’), 5-Year Impact Factor: 3.2.

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Contact Us

Animals Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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