

Special Issue

Reproductive Physiology and Genetics in Aquatic Animals

Message from the Guest Editor

We are pleased to invite you to contribute a research article or review to the Special Issue “Reproductive Physiology and Genetics in Aquatic Animals”. It aims to improve reproduction management, maturation induction in species difficult to breed in captivity, sex determination and sex control, and the selection of traits that can lead to faster growth rates, better survival, genotypes capable of digesting different food sources, among others, highlighting the importance of reproductive physiology and genetics in aquatic animals. Topics may include the following:

Reproduction, Endocrinology, Physiology, Environmental cues, Gametogenesis, Meiosis, Mitosis, Egg quality, Embryogenesis, Larval development, Morphology, Transcriptomics, Proteomics, Gene editing, Broodstock selection (Quantitative and Molecular genetics), Broodstock variability (Heterocigosity), Epistasis, Chromosome manipulations (Triploidy, Tetraploidy), Associated trait loci (Quantitative traits loci and Single Nucleotide Polymorphisms), Sex determination, Sex control, Sex change (Hermaphrodite, Protogynous and Protandric animals), Sex reversal, Monosex culture.

I look forward to receiving your contributions.

Guest Editor

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Deadline for manuscript submissions

20 May 2026



Animals

an Open Access Journal
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Impact Factor 2.7
CiteScore 5.2
Indexed in PubMed



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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.

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