Special Issue

Sexual Dimorphism in Aquatic Animals

Message from the Guest Editors

Sexual dimorphism is a significant trait in various fish species and other aquatic animals. Certain traits, such as the growth rate, body size, coloration, morphology, behavior, and ornamentation, may be more pronounced in one gender. Aquaculture animals display a diverse range of sex determination mechanisms, which are affected by genetics, the environment, or a combination of both. Many fish species exhibit a ubiquitous sexual phenotype plasticity, and sex reversal is even a natural part of the life cycle in some species.

For this Special Issue, submissions of research articles, reviews and short communications are welcome. The focus of this Special Issue will be on the understanding of sex determination and gonadal differentiation mechanisms, including molecular mechanisms and environmental effects. It also covers topics such as sex chromosome evolution, reproduction strategies, sexual dimorphism, and approaches for sex control breeding in aquaculture animals, such as the development of sex-linked molecular markers, artificial gynogenesis, artificial sex reversal, application of gene editing technology, etc.

We look forward to receiving your contributions.

Guest Editors

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Deadline for manuscript submissions

closed (20 March 2024)

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Genes

an Open Access Journal by MDPI

Impact Factor 2.8
CiteScore 5.5
Indexed in PubMed

mdpi.com/si/183050

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Message from the Editor-in-Chief

Genes is central to our understanding of biology, and modern advances such as genomics and genome editing have maintained genetics as a vibrant, diverse and fast-moving field. There is a need for good quality, open access journals in this area, and the *Genes* team aims to provide expert manuscript handling, serious peer review, and rapid publication across the whole discipline of genetics. Starting in 2010, the journal is now well established and recognised. Why not consider *Genes* for your next genetics paper?

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