

Special Issue

Sexual Determination and Reproductive Regulation in Aquatic Organisms

Message from the Guest Editor

This Special Issue solicits original research articles and comprehensive reviews focusing on sexual determination and reproductive regulation in aquatic organisms. Submissions should emphasize the influence of genetic factors (such as sex chromosomes and key regulatory genes) and environmental factors (including temperature and pollutants) on sexual differentiation, the evolution of sex-determining mechanisms, and their practical applications in breeding programs. Areas of interest encompass sex determination pathways, the evolution of sex chromosomes, the epigenetic regulation of sexual development, and innovative gender control methodologies in aquaculture.

Guest Editor

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A major strength of biological science is the diversity of approaches that biological scientists apply to their research problems. *Biology* reflects this diversity and brings together studies employing the varied experimental and theoretical approaches that are fueling biological discovery. *Biology*, the journal, is a fully peer-reviewed publication with a rapid and economical route to open access publication and is listed on PubMed. All articles are peer-reviewed and the editorial focus is on determining that the work is scientifically sound rather than trying to predict its future impact.

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