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Molecular Mechanisms of Sexual and Reproductive Development in Aquatic Animals

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Deadline for manuscript
submissions:

closed (31 July 2025)

Message from the Guest Editor

Dear Colleagues,

Aquatic animals, including fishes, crustaceans, shellfish, etc., have greatly contributed to the aquaculture industry's development. However, there is a limited amount of research regarding the regulatory mechanisms of sexual and reproductive development, especially in aquatic invertebrates. Elucidating the related mechanisms will provide great assistance in the genetic breeding and cultivation of important aquaculture organisms.

This Special Issue welcomes original research and review articles that focus on the exploration of the molecular mechanisms of sexual and reproductive development in aquatic animals. Potential topics include, but are not limited to, regulatory mechanisms of sex determination and differentiation, sex control, germline specification, gonadal development, gametogenesis, and the application of biological technologies to improve reproductive performances.



mdpi.com/si/185646

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