

Special Issue

Infection and Detection of Bacterial Pathogens in Aquaculture

Message from the Guest Editors

Aquaculture plays a vital role in global food security, but bacterial infections pose significant challenges, leading to substantial economic losses and threats to aquatic animal health. This Special Issue focuses on the latest advancements in the identification, pathogenesis, and control of bacterial pathogens in aquaculture systems. It explores innovative diagnostic techniques, including molecular and immunological methods, to enhance early detection and disease management. Additionally, the issue examines the impact of antibiotic resistance, the role of microbiota in disease prevention, and sustainable disease control strategies such as probiotics, vaccines, phage therapy and selective breeding. By bringing together cutting-edge research, this collection aims to support the development of effective interventions to safeguard aquaculture productivity and sustainability.

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About the Journal

Message from the Editor-in-Chief

Fishes is a multidisciplinary open access journal focusing on reports of original research and critical reviews and synthesis from the broad area of fishes and aquatic animals. The ultimate objective of *Fishes* is to facilitate the discovery of connections between research areas, advancing science and filling knowledge gaps, and providing solutions for all present and future issues encountered in the sector of fisheries and aquaculture. As Editor-in-Chief, I encourage you to consider *Fishes* for your scientific papers and would be pleased to welcome you as one of our authors.

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