

Special Issue

Nutritional Immunology and Intestinal Health in Aquatic Animals

Message from the Guest Editors

The intensification of aquaculture production has increased the incidence of infectious diseases, leading to economic losses and concerns over antimicrobial resistance. Nutritional immunology offers a sustainable, preventive approach to enhance host resistance and resilience, with growing evidence highlighting the central role of intestinal health in mediating these effects. This Special Issue will compile original research articles, reviews, and short communications that explore the interplay between nutritional immunology and intestinal health in aquatic animals. Topics of interest include functional diets, immunomodulatory feed additives, precision nutrition strategies, and their effects on gut microbiota, intestinal barrier function, and mucosal immunity. Contributions covering molecular mechanisms, controlled-challenge trials, and field applications are equally welcome. By bridging basic immunonutrition science with practical gut health management, this collection aims to support the global transition towards responsible and antibiotic-free aquaculture.

Guest Editors

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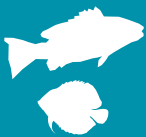


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About the Journal

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.

Editor-in-Chief

Prof. Dr. Maria Angeles Esteban

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