



Optimizing Fish Fillet Quality: The Impacts of Dietary Interventions and Oxidation

Guest Editors:

Dr. Nima Hematyar

Dr. Samad Rahimnejad

Dr. Francisco A. Guardiola

Deadline for manuscript
submissions:

31 December 2024

Message from the Guest Editors

Dear Colleagues,

The quality of fish feed plays a crucial role in determining the quality of fish fillets. A balanced and nutritious diet not only promotes healthy growth but also enhances the texture, flavor, and nutritional value of the fillet. Fish fed with high-quality feed tend to have firmer flesh, richer flavor, and higher levels of desirable nutrients. Thus, selecting the right feed with optimal nutritional composition is essential for producing high-quality fish fillets.

Food protein oxidation leads to reduced nutritional value, impaired functionality, and, often, lower product quality. This process is typically linked with other oxidative reactions in foods, such as lipid oxidation and oxygen-facilitated enzymatic reactions. Understanding how food processing methods alter the physical and sensory properties of foods is necessary.

In this Special Issue, we invite submissions exploring the impact of fish processing, fish welfare, mitochondrial alterations, and dietary interventions on the quality characteristics of fish fillets, with a particular focus on their physicochemical properties.

Dr. Nima Hematyar

Dr. Samad Rahimnejad

Dr. Francisco A. Guardiola

Guest Editors





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Maria Angeles Esteban

Department of Cell Biology and Histology, Faculty of Biology, University of Murcia, 30100 Murcia, Spain

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.

Author Benefits

Open Access: free for readers, with [article processing charges \(APC\)](#) paid by authors or their institutions.

High Visibility: indexed within [Scopus](#), [SCIE \(Web of Science\)](#), [PubAg](#), [FSTA](#), and [other databases](#).

Journal Rank: JCR - Q2 (*Marine and Freshwater Biology*)

Rapid Publication: manuscripts are peer-reviewed and a first decision is provided to authors approximately 18.2 days after submission; acceptance to publication is undertaken in 2.4 days (median values for papers published in this journal in the first half of 2024).

Contact Us

Fishes Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/fishes
fishes@mdpi.com
[X@Fishes_MDPI](#)