Special Issue

Trace Elements, Drugs, Small Compounds and Antioxidants in Fish

Message from the Guest Editors

Some trace elements are toxic regardless of the amount ingested and may accumulate and biomagnify in aquatic organisms, while others are essential in small quantities. Small molecules and antioxidants are essential components in fish tissues that may contribute to the health and wellbeing of the animal, its organoleptic properties and their value as a source of beneficial nutrients for consumers. In addition, some toxic (MeHg) and emergent contaminants present in aquatic environments, including human drugs (caffeine, antidepressants), have been shown to exert a measurable effect on the animal's behaviour, which can then serve as an indication of the presence of contaminants in the environment that pose a risk to health and welfare. This Special Issue will present works screening for relevant elements and compounds in the tissues of fish, shellfish, crustaceans and gastropods, as well as experimental works on the effects of the compounds on their behaviour, health and welfare, particularly those using non-invasive methods. Submissions may consider wild and farmed organisms as well as model fish systems.

Guest Editors

Prof. Dr. Iciar Martinez

1. Ikerbasque, Basque Foundation for Science, Bilbao, Spain
2. Research Centre for Experimental Marine Biology & Biotechnology, Plentzia Marine Station (PiE), University of the Basque Country (UPV/EHU), Plentzia, Spain
3. Department of Zoology and Animal Cell Biology, Faculty of Science and Technology, University of the Basque Country (UPV/EHU), Leioa, Spain

Dr. Harkaitz Eguiraun

1. Department of Graphic Design & Engineering Projects, Faculty of Engineering in Bilbao, University of the Basque Country (UPV/EHU), Leioa, Spain
2. Research Centre for Experimental Marine Biology & Biotechnology, Plentzia Marine Station (PiE), University of the Basque Country (UPV/EHU), Plentzia, Spain

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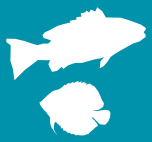
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
fishes@mdpi.com

mdpi.com/journal/fishes



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

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