Special Issue

Impact of Climate Change on the Safety of Fish Products: New or Re-Emerging Risks

Message from the Guest Editor

Climate change is likely to give origin to new or re-emerging hazards in marine ecosystems, consequently affecting the safety of seafood. Global warming as well as ocean acidification and increased deoxygenation damage both marine life and biodiversity. They can cause expanding species to move and change their distribution ranges, leading to shifts in food webs and ecosystem dynamics. The development and validation of novel or confirmatory analytical methods, such as Orbitrap, mass spectrometry, chromatography, and nanotechnology, are particularly expected to detect unknown marine biotoxins instead of applying a mouse bioassay, which represents the reference method in such cases. Climate change-driven alterations to marine biogeochemistry may also impact the formation and trophic transfer of the bioaccumulated neurotoxin methylmercury. This Special Issue aims to publish original research and review articles related to the impact of climate change on biological and chemical hazards in marine ecosystems, monitoring and potential mitigation, and urgent solutions.

Guest Editor

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Message from the Editor-in-Chief

Foods (ISSN 2304-8158) is an open access and peer reviewed scientific journal that publishes original articles, critical reviews, case reports, and short communications on food science. Articles are released monthly online, with unlimited free access. Currently, Foods has been indexed by the Science Citation Index Expanded (SCIE - Web of Science), PubMed, and Scopus. Our aim is to encourage scientists, researchers, and other food professionals to publish their experimental and theoretical results as much detail as possible. We therefore invite you to be one of our authors, and in doing so share your important research findings with the global food science community.

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