

Special Issue

Fish as Bioindicators of the Fresh and Marine Water Ecosystems

Message from the Guest Editors

This Special Issue concerns studies of the use of fish as bioindicators of fresh and marine water ecosystems' status, impacted by different environmental and anthropogenic factors. Fish (in situ) are a good indicator of environmental changes and ecosystem health, especially in case of toxic water pollution. In general, indicators at all levels of their biological organization provide information on the fish population status and their environment. Biochemical and physiological indicators reflect the functional status of individual organisms, while intermediate-level responses, such as histopathological condition and morphological characteristics, are indicative of the structural integrity of tissues and organs. Community- and population-level measurements integrate the responses to a variety of environmental conditions, and therefore may be less reflective of contaminant-induced stress in comparison to the level of organisms.

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Message from the Editor-in-Chief

Journal of Marine Science and Engineering (JMSE, ISSN: 2077-1312) focuses on research in the fields of Ocean Engineering, Coastal Engineering, Physical Oceanography, Geological Oceanography, Marine Biology, and Marine Environmental Science. It publishes reviews, regular research papers, and short communications, as well as Special Issues on particular subjects. Our aim is to encourage scientists to publish their experimental and theoretical results in as much detail as possible. There is no restriction on the maximum length of the papers.

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