



## Fish as Bioindicators of the Fresh and Marine Water Ecosystems

Guest Editors:

**Prof. Dr. Tatyana Moiseenko**

Vernadsky Institute of  
Geochemistry and Analytical  
Chemistry of Russian Academy of  
Sciences, Moscow, Russia

**Prof. Dr. Irina Rudneva**

Marine Hydrophysical Institute of  
RAS, 2, Kapitanskaya Str., 299011  
Sevastopol, Russia

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### 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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## Editor-in-Chief

**Prof. Dr. Tony Clare**

School of Natural and  
Environmental Sciences,  
Newcastle University, Newcastle  
upon Tyne NE1 7RU, UK

## Message from the Editor-in-Chief

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*Journal of Marine Science and  
Engineering* Editorial Office  
MDPI, St. Alban-Anlage 66  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
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