

Special Issue

Impact of Natural and Anthropogenic Pollution on Aquatic Ecosystems

Message from the Guest Editors

The specialty section of *Frontiers in Aquatic Toxicology* aims at publishing innovative insights into toxic pollutants in the environment and their impacts on aquatic ecosystems. Contaminants of emerging concern (CECs) include, but are not limited to, harmful algal blooms, ash associated with wildfires, flame retardants, micro- and nano-plastics, pharmaceuticals, illicit drugs, and agrochemicals, which are demonstrated to impact nontarget organisms in aquatic and terrestrial ecosystems. The effects of exposure to these contaminants range from lethality to sublethal impacts, such as altered growth, developmental defects, lowered fecundity, changes in swimming behavior or ability, microbial dysbiosis, and the molecular mechanisms underpinning these. This Special Issue aims to provide a state-of-the-art overview of this field, by inviting original research articles or reviews on the following topics: studies on environmental factors that affect aquatic organism health, multiple stressor responses to climate changes, molecular, cellular, or genetic mechanisms of toxicology, risk assessment, and the conservation and restoration of aquatic species that are exposed to toxic environments.

Guest Editors

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A major strength of biological science is the diversity of approaches that biological scientists apply to their research problems. *Biology* reflects this diversity and brings together studies employing the varied experimental and theoretical approaches that are fueling biological discovery. *Biology*, the journal, is a fully peer-reviewed publication with a rapid and economical route to open access publication and is listed on PubMed. All articles are peer-reviewed and the editorial focus is on determining that the work is scientifically sound rather than trying to predict its future impact.

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