

Special Issue

Advances in Aquatic Eco-Neurotoxicology

Message from the Guest Editor

During the last decade, there has been a tremendous increase in our awareness of how anthropogenic pollution can alter the behavioural traits of diverse aquatic organisms. The behavioural phenotype is indeed the highest-level integrative neurobiological phenomenon, but at its core lies myriads of intertwined biochemical, cellular, and physiological processes. Therefore, the mechanisms that underlie these changes in behavioural phenotypes can stem among others from the dysregulation of neurotransmitter pathways, electrical signalling, and the cell death of discrete cell populations in the central and peripheral nervous systems. This Special Issue aims to outline a very broad and inclusive scope of diverse topics in eco-neurotoxicology that include, but are not limited to, behavioural and molecular studies, techniques, methods, as well as new analytical paradigms. We invite submissions of research papers, short communications, technical notes as well as review and perspective articles that will showcase the latest advances and developments in aquatic eco-neurotoxicology.

Guest Editor

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Deadline for manuscript submissions

closed (15 April 2024)



International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.0
Indexed in PubMed



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*International Journal of
Molecular Sciences*
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