

Water quality as an determining factor for fish behavior: A habitat selection-based approach



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Principal Conclusion:

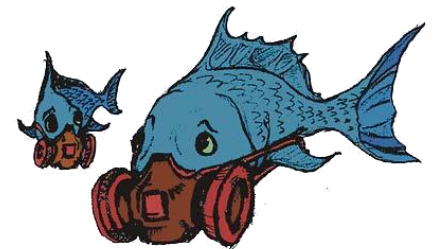
The data of the three assessed contaminants (copper, glyphosate and Ag-NPs) showed that avoidance can be considered as a very sensitive response, even when compared with the most traditional endpoints



Introdução

Poluentes aquáticos: Problemática

- Presente em efluente sanitário e industrial
- Entram nos rios por escoamento superficial (agroquímicos)
- Presente nos corpos hídricos (maior parte efeitos sub-letais)
- Ausência nas políticas de monitoramentos
- Ausência de dados sobre riscos ambientais
- Muitas vezes os dados apresentam valores superestimados de mortalidade e respostas sub-letais.
- Os dados também subestimam efeitos que poderiam ocorrer antes da toxicidade

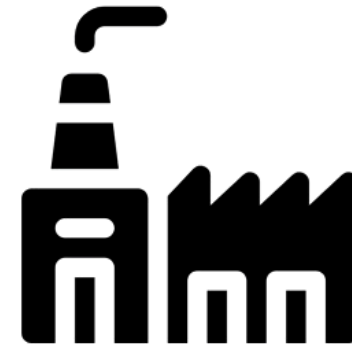


Ecotoxicological Tests



In the first decades, the search for the most sensitive species led researchers to test a high number of species from different:

- biological groups,
- trophic levels and
- geographic distribution



Standard test procedures

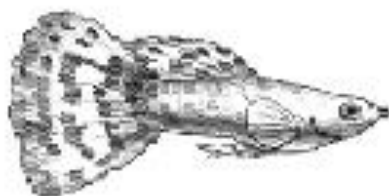


Environmental Risk Assessments (ERAs)

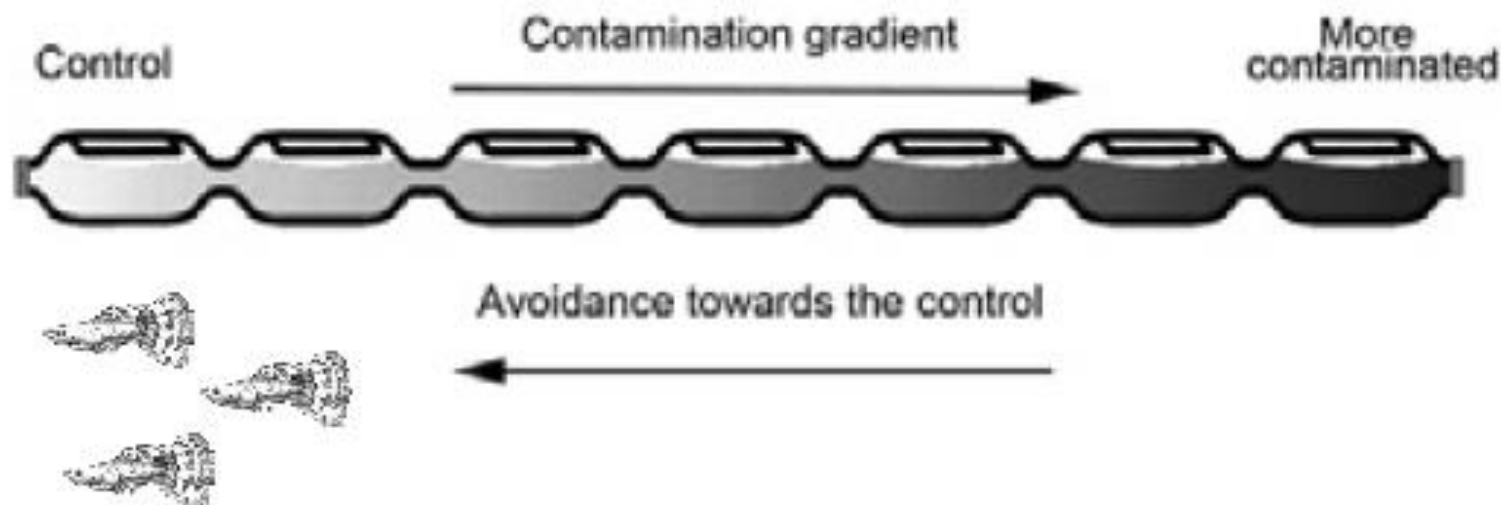


- easy and cheap
- simple and practical

Comportamental Test - Avoidance



AVOIDANCE ASSAYS NON-FORCED EXPOSURE



Goals



Conclusion

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Thanks



REFERENCES

