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From Low Tier to Individual Effects of Emerging Pollutants: Integrative Approaches on Ecotoxicological Assessments

Guest Editors:

Dr. Tiago Simoes
MARE—Marine and Environmental Sciences Centre, Polytechnic of Leiria, Leiria, Portugal

Dr. Hugo Ricardo Monteiro
MARE–Marine and Environmental Sciences Centre, Polytechnic of Leiria, Leiria, Portugal

Dr. Nuno Ferreira
School of Biosciences, Cardiff University, Cardiff CF10 3AT, Wales, UK

Deadline for manuscript submissions:
closed (31 October 2022)

Message from the Guest Editors

The way in which toxicological assessments are currently performed (mainly focusing on apical endpoints, such as survival) is becoming considered inefficient and is overdue for change. The first response barriers to anthropogenic stress are triggered at the sub-cellular level and are far more likely to occur and have severe consequences for an organism´s fitness and on the ecosystem. Used in an integrated approach through different biological levels, subcellular endpoints can actively support a more realistic and meaningful assessment of the impacts of pollutants.

This Special Issue will explore the role of an integrative evaluation of effects in non-target organisms, with a particular focus on emerging pollutants. Submissions of original research articles, case studies and up-to-date review papers on integrative ecotoxicological approaches combining individual level endpoints (e.g., survival, growth and behaviour) with biochemical (e.g., oxidative stress and damage) and/or molecular (e.g., gene expression and protein abundance) endpoints are welcome.

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Editor-in-Chief

Dr. Demetrio Raldúa
Department Environmental Chemistry, IDAEA-CSIC, Jordi Girona 18, 08034 Barcelona, Spain

Message from the Editor-in-Chief

Toxics (ISSN 2305-6304) is an international, peer-reviewed, open access journal which provides an advanced forum for studies related to all aspects of toxic chemicals and materials. We aim to publish high quality work that furthers our understanding of the exposure, effects, and risks of chemicals and materials in humans and the natural environment as well as approaches to assess and/or manage the toxicological and ecotoxicological risks of chemicals and materials. Please consider publishing in *Toxics* when preparing your next paper.

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Contact Us

Toxics Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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