Special Issue

Ecophysiology of Invertebrates in Polluted Environments

Message from the Guest Editor

Chemicals, released to the environment either intentionally, as pesticides or fertilizers, or unintentionally, as pollutants generated as by-products of industrial or urban expansion, exert strong pressure on invertebrates inhabiting polluted areas. It is of great importance to monitor their effects and recognize the physiological effects caused by potentially hazardous chemicals or particles. This Special Issue is seeking original, unpublished papers that describe recent investigations on the physiological effects of environmental pressure connected with the presence of pollutants in natural terrestrial and aquatic habitats. Responses to new and emerging pollutants and priority substance in the following areas are of particular interest:

- Respiration and digestion (energy budget, trade-off, tolerance)
- Immune defense
- Life history parameters
- Hormonal and neural regulation
- Behavior: defending or disturbed
- Native vs alien species ecophysiology
- Individual vs social insects (ecophysiology of "superorganism")

Guest Editor

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Deadline for manuscript submissions

closed (20 August 2021)

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About the Journal

Message from the Editor-in-Chief

Environmental issues are quickly becoming central political, economic and academic topics of the twenty-first century. A large number of modern challenges are directly or indirectly caused by complex interactions between environmental issues. Such issues require interdisciplinary research, knowledge and insights to understand and, ultimately, for solutions to be found. Through the journal Environments, we strive to create a platform for meaningful discourse by accepting contributions from a wide range of fields. We sincerely hope you will consider publishing your distinguished work in this highly-accessible, peer-reviewed journal.

Editor-in-Chief

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manuscripts are peer-reviewed and a first decision is provided to authors approximately 25.7 days after submission; acceptance to publication is undertaken in 3.7 days (median values for papers published in this journal in the first half of 2024).