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Trophic Interactions in Warm Freshwater Ecosystems

Guest Editors:

Prof. Mariana Meerhoff

**Assoc. Prof. Franco Teixeira
De Mello**

Assoc. Prof. Carlos Iglesias

Deadline for manuscript
submissions:

closed (31 July 2019)

Message from the Guest Editors

Trophic interactions are key for the structure and function of ecosystems. Most of the theoretical and empirical studies on trophic interactions and the consequences on ecosystem functioning, with applications to ecosystem restoration and rehabilitation, have been conducted in temperate climates, but increasing evidence suggests that, under warm climates, the strength of interactions and some cascading effects may differ. Ecosystems in warm climates are more sensitive to anthropogenic impacts, such as eutrophication and water extraction, imposing different scenarios for the biota.

Consequences for the theoretical basis of restoration strategies are thus being critically reviewed. These pieces of evidence are also contributing to the prediction of effects to be expected with climate warming.

In the Special Issue, we welcome articles describe trophic interactions in warm climate freshwater ecosystems (ponds, lakes, streams, rivers, lagoons, floodplains). We encourage comparative studies, manipulative experiments, long-term field studies, modelling and field experiments where clear hypotheses are tested.



mdpi.com/si/14776

Special Issue



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Editor-in-Chief

Dr. Jean-Luc PROBST

Laboratory of Functional Ecology
and Environment, Centre
National de la Recherche
Scientifique (CNRS), University of
Toulouse, Campus ENSAT,
Auzeville Tolosane, France

Message from the Editor-in-Chief

In the context of global changes, the sustainable management of water cycles, going from global and regional water cycles to urban, industrial and agricultural water cycles, plays a very important role on the water resources and on their relationships with food, energy, biodiversity, ecosystem functioning and human health. *Water* invites authors to provide innovative original full articles, critical reviews and timely short communications and to propose special issues devoted to new technological and scientific domains and to interdisciplinary approaches of the water cycles. We ensure a critical review process and a quick turnaround between submission and final decision.

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Journal Rank: JCR - Q2 (*Water Resources*) / CiteScore - Q1 (*Water Science and Technology*)

Contact Us

Water Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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