

Call for Papers: LIMNOLOGICA Special Thematic Issue:  
**Aquatic boundaries and linkages**

With a Special Thematic Issue of LIMNOLOGICA we want to highlight aquatic water interfaces and their functions in the water cycle and in an eco-hydrological perspective based on a cross-disciplinary view. This topic received growing attention during the last years as you can see in the background information below. The underlying hypotheses are:

- Fluxes of matter and energy in aquatic systems are determined by processes in reactive boundary areas inside and outside the water bodies. Despite of the small areal dimension of such aquatic boundaries the intensity of solute transport and degradation processes controls the milieu and the biogeochemical turnover in the related aquatic ecosystem.
- Aquatic boundary layers play an key role for the functioning and stability of aquatic ecosystems as well as for the regulation of matter fluxes in the landscape

The special issues will include manuscripts to following topics:

1. Boundaries between aquatic and terrestrial systems: hydraulically and temperature controlled exchange between surface water and groundwater; regime dynamics of aquatic-terrestrial boundaries and their changes; climate change and the eco-hydrology of connections between landscapes and riverscapes
2. Internal boundaries in aquatic systems: sediment water interactions; gas exchange across aquatic boundaries; effects of groundwater seepage on benthic primary producers and their nutrient retention in lakes.
3. Revitalisation and management: Aquatic boundary as keys for river revitalization and management measures for lakes under changing climate and land use conditions

The issue will present results from process studies at different spatial and temporal scales and also conceptual and mathematical models to simulate these processes.



LIMNOLOGICA publishes peer-reviewed articles addressing biological, physical and chemical aspects of freshwater ecosystems and adjacent habitats. We particularly invite contributions dealing with applied topics (e.g. ecotechnology, bioindication, restoration and conservation) and with less frequently investigated aquatic ecosystems and world regions such as South America, Africa and Asia). LIMNOLOGICA is a primary journal for

limnologists, aquatic ecologists, freshwater biologists, restoration ecologists and ecotoxicologists working with freshwater habitats.

In addition to one of the journal's editor Michael Hupfer we have joined the guest editors Gunnar Nützmann, Peter Engesgaard, Stefan Krause, and Henning Jensen.

The editorial team invites contributions which are relevant in the light of the scope and focus outlined in the sections above. In a first step, please submit a short abstract (max. 1 page) containing

- the names and affiliations of the prospective authors;
- contact information (minimum email address), corresponding author;
- the topic of your research and particular methodology used;
- the key findings of your research

Abstracts may be submitted in either of the following formats: Microsoft Word (\*.doc or \*.docx), other common document formats (\*.rtf or \*.pdf).

Send your abstract to [hupfer@igb-berlin.de](mailto:hupfer@igb-berlin.de) or [nuetzmann@igb-berlin.de](mailto:nuetzmann@igb-berlin.de).

The time line is the following:

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| Submission of abstracts           | 10.01.2016 |
| Acceptance of abstracts           | 07.02.2016 |
| Deadline for submission of papers | 31.05.2016 |
| End of revision process           | 31.10.2016 |
| Publication                       | 30.11.2016 |