

## Special Issue

# River and Lake Catchments: Ecological Challenges, Hydrological Changes, Environmental Problems

### Message from the Guest Editors

It is our pleasure to announce the opening of a new Special Issue in the *Applied Sciences* journal. The topics of interest for this Special Issue include (but are not limited to) the following:

- Spatial differentiation (characteristic upstream and downstream sections) of catchments;
- Land cover changes causing discharge changes and hydrologic extremes;
- Climate change causing discharge changes and hydrologic extremes;
- Water withdrawal and consequences in different catchment sections;
- Growing population number and consequences for river and lake catchments;
- Pollution of rivers and lakes coming from different catchment sections;
- External impacts on river and lake catchments;
- Wetland and habitat functions of different catchment sections;
- Vegetation cover and vegetation belts as barriers to environmental impacts on catchments;
- River-lake (including reservoirs) sequences as water and sediment storage bodies;
- Transboundary catchments;
- Estuaries and lower catchments under the influence of sea level rise.

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### Guest Editors

Dr. Tom Lotz

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### Deadline for manuscript submissions

closed (20 July 2025)



## Applied Sciences

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## About the Journal

### Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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### Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo  
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