

## Special Issue

# Floodplains and Reservoirs as Sinks and Sources for Pollutants

### Message from the Guest Editor

The main topics of the issue will be regarding river floodplains and reservoirs as both sinks and sources for pollutants. Potential topics include but are not limited to the following: Spatial distribution of floodplain soils and sediments and their matter sink and source potential; Grain size distribution of vertical profiles of floodplain soils and sediments as a result of long-term sedimentation and soil formation and short-term flood events and their matter sink and source potential; Contaminated river water and groundwater in interaction with floodplains; Heavy metals, microplastics, phosphorus, salts in floodplains (water, soils, sediments, plants); Floodplain banks as sinks and sources of pollutants; Vegetation belts within floodplains as sinks and sources of pollutants; Dated floodplain and reservoir soils and sediments in correlation to pollutant impacts; Pollutant sink function and pollutant concentrations in reservoir sediments; Spatial differentiation of pollutants in reservoirs (water, soils, sediments, fishes).

### Guest Editor

Prof. Dr. Christian Opp

Department of Geography, University of Marburg, 35037 Marburg, Germany

### Deadline for manuscript submissions

closed (10 August 2022)



## 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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