



Hydrodynamics and Water Quality of Rivers and Lakes

Guest Editors:

Dr. Gabriela Elena Dumitran

Dr. Liana Ioana Vuta

Dr. Elisabeta Cristina Timis

Dr. Minxue He

Deadline for manuscript
submissions:

31 December 2024

Message from the Guest Editors

The aim of this Special Issue is to address environmental problems (e.g., natural, and anthropogenic stressors) for surface aquatic environments, such as rivers, lakes, and reservoirs, in direct correlation with the use of water for various purposes. Water movement in these systems, as well as the disturbances on the system (e.g., extreme hydroclimatic events), influences its physical–chemical characteristics (temperature, dissolved oxygen regime, nutrient concentrations, etc.) and the distribution of pollutants, sediments, or aquatic organisms; therefore, there is a need to investigate and propose a form of targeted management (e.g., remediation measures).

Therefore, directions to be approached can be related to both the discussion of the fundamentals of hydrodynamic in surface waters, such as rivers, lakes, and reservoirs, and the management of surface water systems, which requires technical abilities. To this end, this Special Issue aims at providing an integrated approach of hydrodynamics, sediment transport, pollutants transport and transformations, water quality, and eutrophication in surface water systems.

