



*climate*



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## The Resilience and Adaptation of Aquatic Ecosystem's Structure and Function to Climate Change

Guest Editors:

**Dr. Daniel Roelke**

**Dr. Sierra E. Cagle**

**Dr. Simon Mitrovic**

**Dr. Sofie Spatharis**

Deadline for manuscript  
submissions:

**closed (31 October 2021)**

### Message from the Guest Editors

We are putting together a Special Issue of *Climate* focused on resilience and adaptation to climate change of populations and communities, as well as its impact on aquatic ecosystem functioning. Climate change has resulted in warming, acidification, and deoxygenation in aquatic ecosystems. In addition, alterations in circulation, vertical mixing, inflows, nutrient loading, sea-level rise, and intensification of storms have resulted from changes in climate. These changed conditions are exacerbated by increased dam construction, water reclamation projects, and inter-basin water transfers. Biodiversity loss in aquatic ecosystems has resulted from climate change, reducing functional redundancy and threatening ecosystem functioning.

While the Special Issue is limited to aquatic systems, both inland and marine systems will be included, in both pelagic and benthic habitats, as well as organisms ranging in size—from viruses to whales.



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**Special** Issue



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## Editor-in-Chief

**Dr. Timothy G. F. Kittel**

Institute of Arctic and Alpine  
Research, University of Colorado  
Boulder, Boulder, CO 80309-0450,  
USA

## Message from the Editor-in-Chief

*Climate* (ISSN 2225-1154) was established in 2013 to provide an open-access outlet for innovative research, review articles, new direction papers, and short communications relevant to all disciplines related to climate at all scales. The journal encourages papers ranging from climate change detection and attribution and Earth system modeling to ecosystem, hydrologic, and socioeconomic impacts and climate mitigation and adaptation measures. The influence of *Climate* is strong and growing (IF 3.2 in 2024, CiteScore 5.7 in 2024).

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Climate Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
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