



climate



an Open Access Journal by MDPI

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.



mdpi.com/si/76065

Special Issue