



climate

an Open Access Journal by MDPI



Climate Change Scenarios and Impacts for the Mountain Regions at Middle Latitudes

Guest Editors:

Prof. Dr. Teodoro Georgiadis

Institute for the BioEconomy,
IBE-CNR, Bologna Section, Via
Gobetti 101, 40129 Bologna, Italy

Prof. Dr. Massimiliano Fazzini

URDIS, University of Camerino,
Lungomare Scipioni 6, 63074 San
Benedetto del Tronto, Italy

Dr. Letizia Cremonini

Institute for the BioEconomy,
IBE-CNR, Bologna Section, Via
Gobetti 101, 40129 Bologna, Italy

Deadline for manuscript
submissions:

30 November 2024

Message from the Guest Editors

Climate change is readily observable in the mountainous regions of the middle latitudes of two hemispheres; many scientists have described the European and American high mountains as sentinels of climate change. As a result, changes in climatic parameters have a strong impact on both the physical environment and the living world that characterize the different morpho-climatic environments at the spatial-altitudinal level. So, the mountain environment has important regional and mesoscale climatic features induced by the orography and characteristics of the Earth's surface, such as the presence of snow and ice and large internal water bodies. At the same time, they are often densely populated, and several important economic sectors of the regions that comprise them are very sensitive to weather and climatic conditions. These include tourism, hydroelectric production, agriculture, forestry, and water supply.

This Special Issue wishes to highlight future scenarios both in terms of climate pattern modifications and the impacts of such modifications on the economic sectors.



mdpi.com/si/201696

Special Issue