Special Issue

Climate Change Impacts on Urban Watershed Hydrology and Water Resources

Message from the Guest Editor

Climate change poses a potential threat by exacerbating precipitation patterns and hydrological extremes and many regions face extreme events such as droughts and floods. While the impact of climate change on water resources has been extensively documented, its specific effects on urban hydrology and interactions with water resources remain less studied. This Special Issue aims to publish high-quality studies investigating the impact of climatic factors on hydrological regimes and water resources within urban watersheds and considers changes in surface runoff, groundwater storage, and the function of water infrastructure based on current trends and future projections. Contributions may include methodology development, literature reviews, models, applied analyses, and case studies related to climate change impacts. Topics of interest include, but are not limited to, urban water management, stormwater systems, flood modeling, integrated water resource management, nature-based solutions, climate change adaptation and mitigation, urban water availability, water quality, urban green infrastructure, and AI applications.

Guest Editor

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