Special Issue

Climate and Climate Niche Models

Message from the Guest Editor

Climate niche models, alternatively known as bioclimate envelope models or species distribution models, have been widely used to assess the impact of climate change and to develop adaptive strategies. However, the credibility of a climate niche model depends on the accuracy of climate data, the quality of species occurrence data, modeling methodology and the interpretation of the model predictions. For climate data in particular, using different sources of climate data to build climate niche models may considerably affect model accuracy. Manuscripts that address these issues in the application of niche models and the improvement of climate data/models are welcome. Studies that compare climate niche models with process-based models will also be considered. Keywords

- climate change
- climate data
- climate niche
- bioclimate envelope
- adaptation
- species distribution

Guest Editor

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Deadline for manuscript submissions

closed (30 November 2018)

Climate

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 5.7

mdpi.com/si/13434

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About the Journal

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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