Special Issue

Coastal Climate Variability and Predictability: Challenges and Emerging Solutions

Message from the Guest Editors

This Special Issue aims to bring together innovative research focused on understanding and improving the predictability of coastal climates. We welcome studies that address the physical mechanisms governing coastal variability, the role of coupled ocean–atmosphere dynamics, the influence of climate modes (e.g., ENSO, NAO, IOD, MJO), and the impacts of anthropogenic forcing. Submissions are encouraged from a range of disciplines, including climate modelling, novel machine learning applications, observational analysis, and coastal risk assessment. We particularly invite contributions that present new methodologies, modelling frameworks, or interdisciplinary approaches that can advance predictive skill or support actionable climate information for coastal stakeholders. Comparative studies across different coastal regions, evaluations of forecast systems, and assessments of predictability limits under future climate scenarios are also highly relevant. We thank the authors for their contributions and hope the collection inspires continued cross-disciplinary collaboration.

Guest Editors

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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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