Special Issue

El Niño-Southern Oscillation and Pan-Tropical Climate Interactions: Dynamics, Predictability, Modeling and Projections

Message from the Guest Editors

Correctly modeling and understanding the dynamics, predictability, and impacts of ENSO and tropical cross-basin interactions, as well as anticipating their future changes, are of vital importance. This Special Issue welcomes submissions on topics of interest, including, but not limited to, the following: dynamics and impacts of ENSO on climate, society, and ecosystems; tropical basin interactions; multi-scale interactions; decadal and paleo variability; theoretical approaches; numerical modeling; ENSO complexity; seasonal forecasting; past changes and future projections of tropical mean states and modes of climate variability. Studies aimed at understanding nonlinear ENSO dynamics and improving model simulations of ENSO, the tropical mean state, and tropical basin interactions are especially welcome.

Guest Editors

Dr. Tao Geng

Department of Ocean Sciences and Interdisciplinary Frontiers, Laoshan Laboratory, Qingdao 266237, China

Prof. Dr. Hyo Choi

1. Department of Atmospheric & Environmental Sciences, College of Natural Sciences, Gangneung-Wonju National University (GWNU), Jukheongil 7, Gangneung 25457, Gangwondo, Republic of Korea
2. Atmospheric & Oceanic Disaster Research Institute, Dalim Apt. 209ho, Namgang-chogyo 2gil 44, Gangneung 25563, Gangwondo, Republic of Korea

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Climate
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
climate@mdpi.com

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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).

Editor-in-Chief

Dr. Timothy G. F. Kittel
Institute of Arctic and Alpine Research, University of Colorado Boulder, Boulder, CO 80309-0450, USA

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