

## Special Issue

# Recent Advances in Sea Level Monitoring

### Message from the Guest Editors

Sea level rise is a critical indicator of climate change, significantly impacting coastal communities, ecosystems, and economies. Accurate, high-resolution, and continuous monitoring of sea level is essential to understand its drivers, predict future trends, and support adaptation and mitigation efforts. This Special Issue of *Atmosphere* will highlight the latest advances in sea level monitoring, and serve as a platform for presenting cutting-edge research and comprehensive reviews on recent technological, methodological, and scientific progress in sea level science. Specific goals include the following:

- Presenting new techniques in satellite altimetry and gravimetry and their applications.
- Examining the causes of global and regional sea level rise, including mass and steric components.
- Quantifying contributions from glaciers, ice sheets, and land hydrology to sea level change.
- Investigating the role of atmospheric processes in regional sea level variability and extremes.
- Improving the integration of diverse data into models to enhance predictions.
- Addressing challenges in monitoring coastal and polar sea levels and translating data into insights on coastal vulnerability.

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### Guest Editors

Dr. Fengwei Wang  
Prof. Dr. Shijian Zhou  
Dr. Tengfei Feng

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### Deadline for manuscript submissions

30 June 2026



## Atmosphere

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## About the Journal

### Message from the Editor-in-Chief

Continued developments in instrumentation and modeling have driven atmospheric science to become increasingly more complex with a deeper understanding of concepts, mechanisms, and interactions. This is the field that innovation built and it has led to a better appreciation for the complexity with atmosphere. Human life is intertwined in this complexity as we strive to better understand our atmosphere. Climate change is constantly stretching the limits of our thinking and forcing new ideas and concepts to be played out. Welcome to the Anthropocene!

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### Editor-in-Chief

Dr. Daniele Contini

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