

## Special Issue

# Advances in Remote Sensing on the Sustainable Development of the Global Environment

### Message from the Guest Editors

Sustainable development issues are a very important part of the global environment, the core problem is global climate change. As a modern observation technique, remote sensing technology plays an important role in contributing to global challenges, including climate change, security, pollution, sustainable development and health. This Special Issue will mainly focus on the theories and methods of global terrestrial and marine ecosystem service evaluation, biodiversity monitoring, and so on; technologies for monitoring carbon sinks in terrestrial and marine ecosystems and their responses to climate change; and methods of polar sea ice estimation, its effect on sea-level rise and its responses to climate change. This Special Issue calls for papers that present original research on the following broad topics: (1) Quantitative remote sensing for terrestrial and marine ecosystems: new theories, algorithms, applications, and so on; (2) Carbon-cycle modeling of the global ecosystem and its impacts on climate change by using remote sensing; (3) Polar remote sensing: sea ice estimation and its responses to climate change.

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### Guest Editors

Dr. Ying Yu

Dr. Xiguang Yang

Dr. Haibo Bi

Dr. Liwen Yan

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### Deadline for manuscript submissions

closed (30 September 2023)



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### Editor-in-Chief

Prof. Dr. Marc A. Rosen

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