

Special Issue

Advancing Sustainable Ecological Environmental Monitoring: Strategies and Innovations

Message from the Guest Editor

This Special Issue aims to systematically explore the key roles and application potential of cutting-edge technologies—including remote sensing, AI, and big data analytics—in global ecological environment monitoring and assessment. The scope encompasses technology-enabled environmental state monitoring, ecological evaluation, risk assessment, and conservation planning, among other areas. The Issue will focus on how to deeply integrate advanced technologies into the entire "monitoring–assessment–decision-making" chain of ecological management. This will strengthen the scientific foundation for environmental governance, ecological restoration, and sustainable development policy-making. By introducing innovative technologies, representative case studies, and forward-looking strategies, this Special Issue seeks to advance the field of ecological and environmental monitoring toward greater efficiency, intelligence, and sustainability, thereby providing a valuable supplement to existing research. We welcome submissions of original research articles and reviews for this Issue.

Guest Editor

Prof. Dr. Xiuhong Li

State Key Laboratory of Remote Sensing Science, College of Global Change and Earth System Science, Beijing Normal University, Beijing 100875, China

Deadline for manuscript submissions

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

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Message from the Editor-in-Chief

I encourage you to contribute a research or comprehensive review article for consideration for publication in Sustainability, an international open access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. The journal publishes original research articles, reviews, conference proceedings (peer reviewed full articles) and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

Editor-in-Chief

Prof. Dr. Steve W. Lyon

School of Environment and Natural Resources, Ohio State University,
Columbus, OH 43210, USA

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