Special Issue

Remote Sensing for Coastal Resilience: Addressing Climate Impact and Sustainable Solutions

Message from the Guest Editors

This Special Issue will focus on applying remote sensing technologies to monitor and understand climate-related changes in coastal areas. As coastal regions worldwide face increasing challenges from erosion, sea-level rise, and ecosystem degradation, remote sensing offers a means to obtain timely and accurate assessments that can inform sustainable management strategies. Contributions to this issue will explore the innovative use of satellite imagery, LiDAR, unmanned aerial vehicles (UAVs), and other remote sensing data/methods to measure and analyze these changes, emphasizing data-driven approaches that enhance resilience and support adaptive coastal planning. It provides a platform for researchers who aim to publish high-quality original research papers, reviews, and case studies that highlight advancements in remote sensing for coastal monitoring, showcase practical applications, and provide insights into effective climate adaptation and coastal protection strategies.

Guest Editors

Dr. Lia Bárbara Cunha Barata Duarte

1. Faculty of Sciences, University of Porto, 4169-007 Porto, Portugal
2. Institute of Earth Sciences, University of Porto, 4169-007 Porto, Portugal

Dr. Ana Cláudia Teodoro

Institute of Earth Sciences, Faculty of Sciences, University of Porto, Rua Campo Alegre s/n, 4169-007 Porto, Portugal

Deadline for manuscript submissions

30 November 2025

Sustainability

an Open Access Journal by MDPI

Impact Factor 3.3
CiteScore 7.7

mdpi.com/si/222591

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

mdpi.com/journal/sustainability

Sustainability

an Open Access Journal by MDPI

Impact Factor 3.3
CiteScore 7.7

mdpi.com/journal/sustainability

MDPI

About the Journal

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. *Sustainability* publishes original research articles, review 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. Marc A. Rosen
Faculty of Engineering and Applied Science, University of Ontario Institute of Technology, Oshawa, ON L1G 0C5, Canada

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE and SSCI (Web of Science), GEOBASE, GeoRef, Inspec, RePEc, CAPlus / SciFinder, and other databases.

Journal Rank:

JCR - Q2 (Environmental Studies) / CiteScore - Q1 (Geography, Planning and Development)