



Sea-Level Rising—Coastal Vulnerability and Adaptation Management

Guest Editors:

Prof. Dr. Peter Sheng

Coastal and Oceanographic Engineering Program, University of Florida, Gainesville, FL 32611-6580, USA

pete@coastal.ufl.edu

Dr. Trevor Meckley

National Centers for Coastal Ocean Science (NCCOS), National Oceanic and Atmospheric Administration (NOAA), Silver Spring, MD 20910, USA

trevor.meckley@noaa.gov

Dr. Karen Thorne

Western Ecological Research Center (WERC), United States Geological Survey (USGS), Davis, CA 95616, USA

kthorne@usgs.gov

Deadline for manuscript submissions:

30 November 2022

Message from the Guest Editors

Accelerating sea-level rise, compounded with more intense and wetter cyclones and growing coastal development, are expected to greatly increase the vulnerability of coastal communities, critical infrastructures, and coastal resources including wetlands, beaches, and coral reefs which offer protection to coastal hazards. There is an urgent need to develop a new framework and paradigm for coastal vulnerability analysis based on the best available science and a holistic approach which addresses the compound impact of various drivers and their interactions in the remainder of the 21st century. Based on the results of science-based vulnerability analysis, coastal communities can develop adaptation management plans including the restoration of wetlands and coral reefs, the revision of flood management standard and building codes, the development of future coastal flood maps, strategic migration, etc.

We aim to produce a Special Issue to inform the scientific community and coastal communities of the latest advances in coastal vulnerability and adaptation management. We welcome original contributions or review papers in related areas





an Open Access Journal by MDPI

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

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.

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](#), [Inspec](#), [AGRIS](#), [RePEc](#), [CAPlus / SciFinder](#), and many other databases.

Journal Rank: [JCR - Q2 \(Environmental Sciences\)](#) / [CiteScore - Q1 \(Geography, Planning and Development\)](#)

Contact Us

Sustainability
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/sustainability
sustainability@mdpi.com
[@Sus_MDPI](https://twitter.com/Sus_MDPI)