Observation and Numerical Modeling of Sediment Transport in Coastal Areas

Guest Editors:

Prof. Dr. Kehui Xu
Department of Oceanography & Coastal Sciences, Louisiana State University, Baton Rouge, Louisiana, USA
kxu@lsu.edu

Prof. Dr. Joseph Carlin
Department of Geological Sciences, California State University, Fullerton, Fullerton, California, USA
jcarlin@fullerton.edu

Prof. Dr. Houjie Wang
Key Laboratory of Submarine Geosciences and Exploration Technology, Ocean University of China, Shandong, China
hjwang@mail.ouc.edu.cn

Message from the Guest Editors

Dear Colleagues,

The objective of this Special Issue is to improve our knowledge of the observation and modeling of sediment transport in various coastal areas. We encourage submissions based on the studies of sediment delivery, transport, and depositional processes in multiple coastal environments in continental margins, including shelves, estuaries, deltas, bays, barrier islands, and others. We would like to gather a series of publications that highlight recent new findings on various aspects of morphodynamics, sediment dynamics, non-cohesive and cohesive sediment transport, sedimentary geology, sequence stratigraphy, geological oceanography, subsidence and land loss, sediment management, sediment-related human activities, coastal restoration, and beyond. Studies may derive from field observations, laboratory experiments, and model studies across a wide range of timescales. This Special Issue should be of interest to coastal scientists, engineers, stakeholders, resource managers, and decision makers.

Prof. Dr. Kehui Xu
Prof. Dr. Joseph Carlin
Prof. Dr. Houjie Wang

Guest Editors

Deadline for manuscript submissions:
31 August 2019

mdpi.com/si/20662
Message from the Editor-in-Chief

The relevance of water in human development and sustaining life, fuels general and scholarly interest in the world’s water resources. A better understanding of all aspects of water and its relation to food supply, energy production, human health, and the functioning of ecosystems is key in managing this precious resource in a sustainable, efficient and equitable manner. *Water* invites authors to provide innovative original full articles, critical reviews and timely short communications. We ensure a critical review process and a quick turnaround between submission and final decision.

Author Benefits

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

**High visibility:** indexed by the *Science Citation Index Expanded* (Web of Science), Ei Compendex and other databases.

**CiteScore 2017** (Scopus): **2.29**, which equals rank 37/191 (Q1) in the category 'Water Science and Technology' and 43/199 (Q1) in 'Aquatic Science'.

Contact us

*Water*

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

Tel: +41 61 683 77 34
Fax: +41 61 302 89 18
www.mdpi.com

mdpi.com/journal/water
water@mdpi.com
@Water_MDPI