



UAS Applications for Mapping and Monitoring Coastal Features and Processes

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Message from the Guest Editors

Coastal zones provide a home and other resources for a large part of the global population, while at the same time, they receive numerous anthropogenic and natural pressures. Unoccupied aerial systems (UASs) are increasingly gaining ground in coastal studies, covering an enormous number of diverse applications that assist in improving coastal management efforts.

Considering that the catalogue of UAS coastal applications is never-ending, this SI is dedicated to highlighting novel UAS coastal applications from a wide range of research areas, indicatively data acquisition technology and sensor integration, development of algorithms for UAS image analysis, shallow bathymetry mapping, documentation of submerged archaeological sites, monitoring of coastal erosion and shoreline change, mapping of coastal and estuarine geomorphology, and monitoring of wildlife. Articles focusing on UASs for coastal zone management and mitigation of coastal pollution are particularly encouraged.





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