

Special Issue

Unmanned Aerial Vehicles for Marine and Coastal Monitoring and Management

Message from the Guest Editor

UAVs have been widely promoted as a means of reducing intensive, expensive ground survey efforts across a variety of ecological domains. Relative affordability and agile deployment may allow them to bridge critical gaps between lower temporal and spatial resolution satellite data and intensive, expensive ground survey. This is particularly true in temperate climates, where cloud cover inhibits satellite effectiveness, and in dynamic zones like coasts. Coastal areas support high levels of biodiversity and provide important ecosystem services, but are highly dynamic environments and vulnerable to climate change impacts. We invite your submissions on the following topics:

- Measuring and mapping marine and coastal habitat structures, and associated biodiversity using UAVs;
- Measuring and mapping coastal and marine habitat condition using UAVs;
- Detecting change in coastal and marine habitat extent, structure, and condition using UAVs;
- Incorporating UAVs into a hierarchy of remote sensing platforms to deliver more cost-effective multi-level monitoring systems;
- Management, research, and industry examples using UAVs for marine and coastal mapping and monitoring.

Guest Editor

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Deadline for manuscript submissions

closed (31 March 2022)



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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

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