

Special Issue

UAV for High-Resolution Salt Marsh Monitoring

Message from the Guest Editors

Salt marshes are transitional zones between ocean and land, and act as natural buffers against coastal hazards. The survival of salt marshes is governed by the rate of organic and inorganic deposition, which strongly depends on hydrodynamics, sediment supply, biological activity, and vegetation characteristics. Vegetation favors the dissipation of wind waves and storm surges. Animals disturb soil and vegetation with activities such as grazing and burrowing. For these reasons, an accurate description of these processes is critical for their management and conservation. In the past years, UAVs have started to be used to survey salt marshes at centimetric resolution. We are welcoming research using any UAV-borne instrument, such as laser scanners, RGB cameras, hyperspectral cameras, thermal sensors, DInSAR, among others. We are particularly interested in the following aspects: Characterization of vegetation type, height, and density; Monitoring animal activity; Estimation of marsh and creek ground elevation, with focus on vegetation removal techniques; Flow velocity estimation; Estimation of rates of change of marsh characteristics; Sediment transport

Guest Editors

Dr. Alberto Canestrelli

Dr. Sergio Marconi

Dr. Alvise Finotello

Dr. Guillaume Goodwin

Deadline for manuscript submissions

closed (31 July 2023)



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

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Message from the Editor-in-Chief

Remote Sensing is now a prominent international journal of repute in the world of remote sensing and spatial sciences, as a pioneer and pathfinder in open access format. It has highly accomplished global remote sensing scientists on the editorial board and a dedicated team of associate editors. The journal emphasizes quality and novelty and has a rigorous peer-review process. It is now one of the top remote sensing journals with a significant Impact Factor, and a goal to become the best journal in remote sensing in the coming years. I strongly recommend *Remote Sensing* for your best research publications for a fast dissemination of your research.

Editor-in-Chief

Dr. Prasad S. Thenkabail

Senior Scientist (ST), U. S. Geological Survey (USGS), USGS Western Geographic Science Center (WGSC), 2255, N. Gemini Dr., Flagstaff, AZ 86001, USA

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