Special Issue

Unmanned Aerial Systems (UAS) in Geology and Environmental Modelling

Message from the Guest Editor

The application of Unmanned Aerial Systems (UAS) as a research tool has result in a completely new approach for several disciplines in geology and environmental sciences. Research fields such as geomorphology, glaciology, coastal dynamics, structural geology, etc., greatly benefit of the use of this low altitude photogrammetry, and research papers using UAS-produced results are becoming widespread. Nevertheless, at present, other sensors, such as multispectral, hyperspectral and thermal cameras, can be mounted in UAS. [...] The goal of this Special Issue is to provide the state-of-the-art in the use of low-altitude remote sensing using UAS in the broad field of geology and environmental sciences, emphasizing the use of thermal, multispectral and hyperspectral cameras for materials identification in different geological scenarios. None-traditional applications of the use of UAS in geology and environmental sciences are also highlighted.

Guest Editor

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Deadline for manuscript submissions

closed (15 September 2018)

Minerals

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Impact Factor 2.2
CiteScore 4.4

mdpi.com/si/12479

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Message from the Editor-in-Chief

Minerals welcomes submissions that report basic and applied research in mineralogy. Research areas of traditional interest are mineral deposits, mining, mineral processing and environmental mineralogy. The journal footprint also includes novel uses of elemental and isotopic analyses of minerals for petrology, geochronology and thermochronology, thermobarometry, ore genesis and sedimentary provenance. Contributions are encouraged in emerging research areas such as applications of quantitative mineralogy to the oil and gas, manufacturing, forensic science, climate change, geohazard and health sectors.

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