



Ecogeomorphological Research Using Satellite Images

Guest Editor:

Dr. Francisco Alonso Sarriá

Instituto Universitario del Agua y
Medio Ambiente, Campus de
Espinardo, Universidad de
Murcia, Edificio D, s/n, 30001
Murcia, Spain

Deadline for manuscript
submissions:

closed (31 March 2021)

Message from the Guest Editor

Dear Colleagues,

The use of remote sensing to obtain layers of interest to solve ecogeomorphological theoretical and applied problems is an interesting field of study to develop. Water cycle estimates are needed to assess water resources, to characterize the complexity of the cycle, to study habitat availability of different species, and to understand local and global responses to climate change. Estimation of rainfall, soil moisture, actual and potential evapotranspiration, the detection of inundated areas, and also the assessment of erosion risk are important topics involved. Land cover is a key feature to understand all these processes and has been one of the key topics in remote sensing along the last decades. Among the techniques used to improve land cover classification, machine learning techniques, textural information, ancillary variables, mainly terrain features, have been tested. The integration of satellite images from different sources and resolutions with other ancillary information as weather radar, LIDAR, DEMs and derived layers or observations from weather stations is needed.

Prof. Francisco Alonso-Sarriá
Guest Editor





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Remote Sensing Editorial Office
MDPI, St. Alban-Anlage 66
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