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Remote Sensing for Mountain Ecosystems

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Message from the Guest Editors

Dear Colleagues,

This Special Issue is an opportunity to publish and disseminate the up-to-date research results focused on the role of satellite and aerial imagery in the advanced evaluation and mapping of the mountain ecosystem changes at different scales, from local to regional and global levels. Some thematic aspects we propose include: the spatiotemporal modelling of mountain forest and alpine ecosystem disturbances under the impact of climate change and anthropogenic pressure, the quantitative mapping of the treeline ecotone and the recent transformation of montane vegetation zonation, land cover change and ecosystem dynamics mapping in mountain regions, the objective mapping and evaluation of the mountain depopulation impact over the local to regional ecosystem state, and natural hazard management. Authors are encouraged to test new techniques and methods such as big data processing for Earth Observation, machine learning, etc., and to enlarge the evaluation of the recent satellite sensors from different countries and spatial agencies in the context of mountain environmental analysis.