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Earth Observations for Biodiversity and Ecosystems of Mediterranean-Type Climate Regions

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Deadline for manuscript submissions:
closed (28 February 2022)

Message from the Guest Editors

Dear Colleagues,

Mediterranean-type climate regions are known for high levels of biodiversity and provide valuable ecosystem services at local to global scales. However, they all experience stresses from rapid land-use change, urbanization, invasion of non-native species, increases in fire occurrence, and changing climates. Remote sensing techniques provide an important contribution to our understanding of Mediterranean-type ecosystems and their dynamic nature, and contribute timely information to guide resource management. In this Special Issue, we illustrate how remote sensing can be used to classify vegetation of Mediterranean-type ecosystems, assess biomass and carbon storage, evaluate the recovery of vegetation post-fire, and monitor the success of restoration efforts to inform land management. In addition, we will highlight the use of geospatial techniques to monitor stresses including conversion from native shrubland to non-native grassland, expansion of urban areas into wildlands, and modification of species distributions associated with changing climates.

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Guest Editors

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Message from the Editor-in-Chief

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