

Title of the symposium:

Challenges of Arid and Semi-Arid Landscapes in the Anthropocene: Searching for New approaches for Adaptation, Conservation, Planning and Management

Detail of organizer(s):

Responsible

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Co-organizer(s)

Co-organizer

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Symposium abstract

The arid and semiarid lands of the world occupy an area of a third of the global terrain. These lands have abundant resources and vast developing landscapes, but rapid landscape change through human activities has taken place in many semi-arid regions recently. In addition, these areas face interactive effects of climate change, land use changes, and habitat loss. In the face of global change and the threat it may pose to the integrity of ecosystems, the new research frontier is the forecasting of how landscapes, and the ecosystems & species within them, will evolve under future scenarios of change. This symposium, will help to advance landscape ecology research in the semi-arid areas and promote interdisciplinary research and communication among scientists, planners, and other professionals to find new approaches toward resiliency at arid and semi-arid landscapes in the Anthropocene.

How your symposia will improve landscape ecology science?

This symposium, will help to advance landscape ecology research in the area of landscape planning, regional land use management and ecosystem services evaluation through Anthropocene trend and promote interdisciplinary research and communication among scientists, planners, and other professionals. We will invite scientists who conduct research in different parts of the world to provide their perspectives and case studies about the state of the art of science and practice on challenges and solutions for landscape planning, conservation efforts and sustainable land use management in arid and semi-arid areas.

Broad thematic areas

Broad thematic areas 1st choice: Specific landscapes (i.e. Mediterranean landscapes, rice landscapes, ...)

Broad thematic areas 2st choice: From landscape pattern to functions (variables, metrics, indicators, monitoring)

Free Keywords

Landscapes pattern Changes, Climate change , Water crisis, ecosystem services, land use management, Anthropocene, conservation planning, Socio- economic challenges.

Outcomes of symposium

Special issue in a scientific journal (already negotiated)

Notes

Special issue in a scientific journal (already negotiated) : Journal of Arid land (JAL)
(<http://jal.xjegi.com>)