Remote Sensing of Arid/Semiarid Lands

Guest Editors:

**Dr. Magaly Koch**
Center for Remote Sensing, Boston University, Boston, MA 02215, USA  
mkoch@bu.edu

**Dr. Brian F. Thomas**
Dept. Geology and Environmental Science, University of Pittsburgh, Pittsburgh PA 15260, USA  
bftomas@pitt.edu

**Dr. Ahmed Gaber**
Geology Dept., Faculty of Science, Port Said University, 23 December Street, Port Said, 42522, Egypt  
ahmedgaber_881@hotmail.com

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**Message from the Guest Editors**

This Special Issue seeks to compile the latest development in the field of remote sensing technology, algorithm development and applications specifically addressing issues affecting arid/semiarid lands. Tools and methods may encompass a range of platforms (satellite, airborne, UAV, ground based), sensors (multispectral, thermal, radar, Lidar) and techniques (time series analysis, data fusion, machine learning, spectroscopy, polarimetric SAR, InSAR). Topics may include the use of remote sensing for assessing groundwater depletion or diversion of surface water for irrigated agriculture, land subsidence due to changes in water fluxes, soil salinization, evapotranspiration, land use changes (e.g., desert reclamation, agriculture expansion, urbanization), crop water productivity/consumption, ecosystem health, mineral resources, soil erosion, and other forms of geohazards.

Dr. Magaly Koch  
Dr. Brian F. Thomas  
Dr. Ahmed Gaber  
*Guest Editors*