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Titolo	Advances in Remote Sensing and Geo Informatics Applications : Proceedings of the 1st Springer Conference of the Arabian Journal of Geosciences (CAJG-1), Tunisia 2018 // edited by Hesham M. El-Askary, Saro Lee, Essam Heggy, Biswajeet Pradhan
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Collana	Advances in Science, Technology & Innovation, IEREK Interdisciplinary Series for Sustainable Development, , 2522-8714
Disciplina	551
Soggetti	Natural disasters Water pollution Marine sciences Freshwater Atmospheric sciences Natural Hazards Waste Water Technology / Water Pollution Control / Water Management / Aquatic Pollution Marine & Freshwater Sciences Atmospheric Sciences
Lingua di pubblicazione	Inglese
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Livello bibliografico	Monografia
Nota di contenuto	Geoinformatics & Applications -- Land Use Land Cover Mapping & Urban Form Assessment -- Lidar Drone and Emerging Technologies Applications -- Rock Formations & Soil Lithology Mapping -- Vegetation Mapping impact Assessment -- Natural Hazards Monitoring & Mapping -- Ground Water Mapping & Assessment -- Coastal Management & Marine Environment -- Atmospheric Sensing.
Sommario/riassunto	This edited volume is based on the best papers accepted for presentation during the 1st Springer Conference of the Arabian Journal of Geosciences (CAJG-1), Tunisia 2018. The book compiles a wide range of topics addressing various issues by experienced researchers

mainly from research institutes in the Mediterranean, MENA region, North America and Asia. Remote sensing observations can close gaps in information scarcity by complementing ground-based sparse data. Spatial, spectral, temporal and radiometric characteristics of satellites sensors are most suitable for features identification. The local to global nature and broad spatial scale of remote sensing with the wide range of spectral coverage are essential characteristics, which make satellites an ideal platform for mapping, observation, monitoring, assessing and providing necessary mitigation measures and control for different related Earth's systems processes. Main topics in this book include: Geo-informatics Applications, Land Use / Land Cover Mapping and Change Detection, Emerging Remote Sensing Applications, Rock Formations / Soil Lithology Mapping, Vegetation Mapping Impact and Assessment, Natural Hazards Mapping and Assessment, Ground Water Mapping and Assessment, Coastal Management of Marine Environment and Atmospheric Sensing.

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