1. **Record Nr.** UNINA9910337898003321

   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

   Pubbl/distr/stampa Cham : , : Springer International Publishing : , : Imprint : Springer, , 2019

   ISBN 3-030-01440-1

   Edizione [1st ed. 2019.]

   Descrizione fisica 1 online resource (XXIX, 361 p. 196 illus., 172 illus. in color.)

   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

   Formato Materiale a stampa

   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 Environement -- 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.