1. Record Nr. UNINA9910855368203321 Autore Al-Quraishi Ayad M. Fadhil Titolo Natural Resources Deterioration in MENA Region: Land Degradation, Soil Erosion, and Desertification / / edited by Ayad M. Fadhil Al-Quraishi, Yaseen T. Mustafa Cham:,: Springer International Publishing:,: Imprint: Springer,, Pubbl/distr/stampa 2024 3-031-58315-9 ISBN Edizione [1st ed. 2024.] Descrizione fisica 1 online resource (319 pages) Collana Earth and Environmental Sciences Library, , 2730-6682 Altri autori (Persone) MustafaYaseen T 333.70956 Disciplina Soggetti Soil science Bioclimatology Geotechnical engineering Refuse and refuse disposal Soil Science Climate Change Ecology Geotechnical Engineering and Applied Earth Sciences Waste Management/Waste Technology Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Nota di contenuto Part I. Land Deterioration- Geological and Hydrological Status --Chapter 1. Remote Sensing Techniques for Investigating Natural Resources Deterioration: Application on Agricultural Degradation in Sultanate Oman (Yaseen A. Al-Mulla) -- Chapter 2. Spectral Angle Mapper Approach (SAM) for Land Degradation Mapping: A Case Study

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Land deterioration, drought, desertification, and water resources shrinkage threaten natural resources, negatively impacting environmental, economic, and political stability. The increasing occurrence of climate change (extremes) impacts land degradation processes, soil erosion by water and wind, and salinization. The researchers have invested several years of scientific research in natural resources deterioration, including soil degradation and erosion, land degradation, desertification, and climate changes, which are interesting enough. However, the link between science and policymaking appears to be less active as serious actions do not take fast. The eighteen chapters of this book focus more on topics related to natural resources deterioration, such as land degradation, desertification, drought, climate change, and analysis of numerous case studies. This book presents experts' overviews, study results, experiences, and knowledge of natural resources deterioration in MENA countries. It attracts researchers, experts, scholars, scientists, academics, students, practitioners, graduates, or anybody interested in land degradation, desertification, climate change, and natural hazards that fall within natural resources deterioration. Therefore, researchers keep continuing to do their investigations and produce results that convince stakeholders and policymaking to act immediately towards protecting natural resources and their sustainability. .