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Altri autori (Persone)	NegmAbdelazim BenzougaghBrahim
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Nota di contenuto	Section 1: Soil Degradation -- Changing carbon dynamics under climate change and land degradation in MENA region: Prospective of innovative management practices -- Exploring the interconnection between greenhouse gas emissions, climate change and natural resource degradation in central region of Morocco -- Greenhouse Gases Emission in Degraded Soil: Focus on the Mediterranean Climate -- Cloud-Based Soil Loss Assessment in Northeastern Libya using the Revised Universal Soil Loss Equation (RUSLE) and Google Earth Engine Platform -- Assessing Climate Change Impacts on Rainfall-Runoff in Northern Iraq: A Case Study of Kirkuk Governorate, a Semi-Arid Region -- Impacts of Saline Water Irrigation on Land Degradation in the

Kurdistan Region, Iraq -- Geoinformatics Approaches to Climate Change-Induced Soil Degradation in the MENA Region: A Review -- Section 2: Climate Change and Sustainability -- Desertification in Algeria and Turkey: Climate Change Leading to "Natural Selection" of Restoration Concepts -- Shedding The Light on Irrigation Systems Degradation in the Algerian Desert -- Climate Change, Drought, and Water Scarcity in the MENA Region -- Google Earth Engine (GEE) to Detect Vegetation Cover Changes in Northwest of Libya -- Impact of Green Generation, Green Morocco, and Climate Change Programs on Water Resources in Morocco -- Monitoring Greenhouse Gas Emissions in Northern Africa Using Spatio-Temporal Analysis with Google Earth Engine (2019-2022) -- Impact of Climate Change on Iraq: Severe Water Scarcity and Desertification -- Section 3: Environmental Contamination -- Emerging Contaminants in Soil and Water: Challenges and Management -- Climate Change, Dust Storms, and Air Pollution in MENA -- Effect of Wastewater on Lakes Degradation in Egypt: Challenge and Management -- Environmental Issues and Concerns in Iraq and Kurdistan Region Due to Various Pollutants -- Leveraging Geoinformatics to Analyse Environmental Contamination Amidst Climate Change in the MENA Region: A Review -- Reducing Oil Pollution in Kawergosk (Erbil-Iraq) Oil Refinery Effluent -- Climate Change and Human Health in the MENA Region: A Geoinformatics Perspective.

Sommario/riassunto

This book reviews the factors contributing to the degradation of natural resources in the MENA region caused by climate change and contamination. It examines how these issues affect humans, their health, resources, and the planet's future. The impact of climate change is evident in the diminishing quality of land, water, and air, which leads to several environmental problems such as drought, land degradation, vegetation decline, reduced water bodies, soil damage, and other ecological concerns. Divided into 21 chapters, the book comprehensively analyses the risks brought about by climate change and environmental pollution. The chapters are contributed by a diverse team of authors from various countries in the MENA region, who offer a comprehensive overview of recent technologies, future developments, and several case studies analyses. In this book, readers will find topics such as: Impact of climate change, saline irrigation water, and other factors on soil degradation and carbon and nitrogen cycling in the MENA region Desertification, flood-storms, contamination, and their effects on natural resources and sustainability in the region Impact of recycled scrap steel on soil contamination, agriculture wastewater on lakes degradation and water pollution, and the effects of wastewater on agriculture Consequences of mismanaging natural resources and their influence on the environment interrelation between Greenhouse Gas Emissions, Climate Change, and the deterioration of natural resources Application of non-conventional methods to address natural resource issues. This book calls for action to protect natural resources and the environment. These measures may include enacting legislation and regulations to restrict human activities, developing public understanding of the necessity of environmental protection against climate change and environmental contamination, and supporting sustainable behaviours to preserve natural resources. Given its breadth, the book appeals to scholars, researchers, and policymakers alike.
