1. Record Nr. UNINA9910872185503321

Titolo	Climate Change Effects and Sustainability Needs : The Case of Morocco / / edited by Kholoud Kahime, Mohamed El Yamani, Stéphane Pouffary
Pubbl/distr/stampa	Cham : , : Springer Nature Switzerland : , : Imprint : Springer, , 2024
ISBN	9783031596032 9783031596025
Edizione	[1st ed. 2024.]
Descrizione fisica	1 online resource (201 pages)
Collana	Springer Climate, , 2352-0701
Disciplina	363.73874
Soggetti	Climatology Ecology Agriculture Water Hydrology Sustainability Climate Sciences Environmental Sciences
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Introduction -- Part I. Climate Observation and Prediction in Morocco -- Chapter 1. Climate change projection and numerical climate modeling in the Rheris watershed (Region Draa Tafilalet -Morocco). Sultan Moulay Slimane University, Morocco. Chapter 2. Are the heat waves recorded in Morocco during the summer of 2022 exceptional? Sidi Mohamed Ben Abdellah University, Morocco -- Chapter 3. Climatic drought in the Oum Er Rbia hydraulic basin- Morocco (1980-2021): Statistical and cartographic analysis. Sultan Moulay Slimane University, Morocco -- Part II. Climate Change effects on Ecosystems and Water Resources: Politics of Adaptation -- Chapter 4. Genetic control of Bactrocera oleae gmelin (Diptera: Tephritidae) as a means to mitigate the effect of climate change. Université IbnoTofail, Kénitra -- Chapter 5. Predicting potential reforestation areas by Quercus ilex(L.) species using machine learning algorithms: case of Ziz upper watershed, southeastern Morocco. Université Ibno Tofail, Kénitra -- Chapter 6.

Description and analysis of the hydrological regimes of the source of Ain Asserdoune “Atlas of Beni Mellal-Morocco”. Sultan Moulay Slimane University, Morocco -- Part III. Climate Change and Adaptation focus on Agricultural Sector -- Chapter 7. Resilience of extensive livestock reared in agropasoral vs. sylvoagropastoral systems to cope with drought in Morocco. National Institute for Agronomic Research, Morocco -- Chapter 8. Irrigation of maize (Zea mays L.) with activated sludge-treated municipal wastewater: the effects on the early plant growth and oxidative stress parameters. Sultan Moulay Slimane University, Cadi Ayyad University -- Chapter 9. Genetic Progress in Physiological and Biochemical Traits Related to Grain Yield in Moroccan Durum Wheat Varieties from 1984 to 2007. Sidi Mohamed Ben Abdellah University, Cadi Ayyad University -- Part IV. Urbanism, Green Building and Land Use: What can we do in the face of climate change? -- Chapter 10. A review of life cycle assessment method for building: what is alternative to Morocco? Sidi Mohamed Ben Abdellah University, Savoie Mont Blanc University -- Chapter 11. The impact of industrial activities on the surface temperature (LST) in the urban environment of the city of Kenitra (Morocco). Moulay Slimane university of Beni Mellal, Morocco -- Chapter 12. Rain gardens for a new climate change mitigation system. UAE Tétouan, Morocco.

Sommario/riassunto

This book provides simultaneously, a cross-sectoral, multi-scale assessment of climate change issues in Morocco and proposes levers of action and innovative practices to be used to strengthen the resilience and adaptation strategies. The book offers the opportunity to debate contemporary mutations, the paradigms of change as a complex process, the dynamics of values, the complexity of the issues and the opportunities for transformation, starting from a reflective approach on the historical, scientific, theoretical and strategic dimensions of action, creativity and environmental innovation in a perspective of sustainability.