

1. Record Nr.	UNINA9910770255303321
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Titolo	Advances in Research in Geosciences, Geotechnical Engineering, and Environmental Science : Proceedings of the Fourth Scientific Conference on Geosciences and Environmental Management (GeoME'4), Morocco 2023 // edited by Khadija Baba, Latifa Ouadif, Abderrahman Nounah, Mounir Bouassida
Pubbl/distr/stampa	Cham : , : Springer Nature Switzerland : , : Imprint : Springer, , 2023
ISBN	9783031493454
Edizione	[1st ed. 2023.]
Descrizione fisica	1 online resource (0 pages)
Collana	Springer Proceedings in Earth and Environmental Sciences, , 2524-3438
Altri autori (Persone)	OuadifLatifa NounahAbderrahman BouassidaMounir
Disciplina	624.151
Soggetti	Geotechnical engineering Water Hydrology Pollution Engineering geology Geotechnical Engineering and Applied Earth Sciences Geoengineering
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Evolution of vegetation and forests with future expectations of changes in Lakhdar Sub-basin -- Hydraulic study of fan spillway using Computational fluid dynamics (CFD) and experimental approaches -- Accumulation of Potentially Hazardous Elements in Water of A Significant Reservoir in Marmara Region of Türkiye -- Quality Assessment in Terms of Agricultural Water Supply and Macro Element Contents in Water of Çorlu Stream (Thrace Region, Türkiye) -- Evolution of vegetation and forests with future expectations of changes in Lakhdar Sub-basin -- Analysis of wind energy production in five cities in the southern region of Morocco -- Assessing Organic Matter of Port Dredged Sediment for Valorization in Civil Engineering -- Unveiling the Physicochemical Characteristics of Organic Materials for Composting:

Unleashing Their Potential for Sustainable Waste Management in Morocco.

Sommario/riassunto

The industrial acceleration intensifies the negative environmental impacts, mainly in some very sensitive geographical areas. Environmental problems like water stress, deadly floods, scarcity of building materials, and prolonged periods of drought affect southern countries, including African nations. This book comprises the peer-reviewed proceedings of the fourth scientific conference on geosciences and environmental management (GeoME'4), held in Salé, Morocco, on June 22–24, 2023. The book interests all researchers, practitioners, and students in geosciences, the environment, and water management. The book delivers a comprehensive overview of the latest research covering the following aspects of green technologies for sustainable water and wastewater management: nature-based solutions in the water cycle and advanced technologies in geosciences, geotechnics, and the environment. Additionally, it features six keynote speakers by international experts, providing valuable insights and further enhancing its value as a comprehensive resource on the following topics: Water management Environmental engineering Geosciences and geotechnical engineering.

2. Record Nr.	UNINA9910522929403321
Titolo	Synergy Development in Renewables Assisted Multi-carrier Systems // edited by Majid Amidpour, Mohammad Ebadollahi, Farkhondeh Jabari, Mohammad-Reza Kolahi, Hadi Ghaebi
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2022
ISBN	3-030-90720-1
Edizione	[1st ed. 2022.]
Descrizione fisica	1 online resource (514 pages)
Collana	Green Energy and Technology, , 1865-3537
Disciplina	333.794 621.31
Soggetti	Renewable energy sources Energy harvesting Energy policy Renewable Energy Energy Harvesting Energy Policy, Economics and Management
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Efficiency improvement from energy, exergy, economic, and environmental viewpoints, and water, energy, and food nexus -- Procedures for storage and carbon capture in energy system set-ups -- Energy procurement in sensitive places and remote areas.
Sommario/riassunto	This book explores the different aspects of energy in human life especially expressing the advanced technologies in renewable energy resources. Due to the environmental pollution caused by fossil fuels and the non-permanent nature of these resources, the move towards the use of renewable energy has accelerated. In recent years, many attempts have been made to improve energy systems' performance by using multi-generation units, and these set-ups have been analyzed from the perspective of energy, exergy, economics, and environmental indicators. The book's primary goal is the effort to introduce new methods for assessing and upgrading the synergy. Therefore it examines sustainable practices such as water-energy-food nexus in

poly-generation units, novel desalination systems, and smart greenhouses. One of the significant issues in these energy systems is the storage methods; for instance, carbon capture to reduce environmental pollution and the hydrogen store for the utilization in supplementary fuel. Also, robust optimization, uncertainty and risk-aware probabilistic analysis, energy management, and power supply of sensitive places such as oil rig platforms by renewables are examined.
