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Nota di contenuto	<p>1. Hydrological Drought Index Based on Discharge -- 2. Review of Hydrological Drought Analysis Status in Ethiopia -- 3. Climate Change: A Real Danger to Human and Animal Survival -- 4. Reducing the Effects of Drought and Degradation of Agricultural Soils, in the Context of Climate Change, through the Application of Regenerative Ecological Technologies -- 5. Drought Stress: Manifestation and Mechanisms of Alleviation in Plants -- 6. Physiological and Molecular Adaptation of Sugarcane under Drought vis-a-vis Root System Traits -- 7. Microgametophytic Selection as a Way to Improve Drought Tolerance in Cultivated Plants -- 8. Impacts of Drought on Homestead Plant Diversity in Barind Tract of Bangladesh -- 9. Water Scarcity Management in the Maghreb Region -- 10. Water Shortages: Cause of Water Safety in Sub-Saharan Africa.</p>
Sommario/riassunto	<p>The deterioration of the balance between precipitation and evaporation and the long duration of this situation is known as drought. Drought adversely affects many environmental components such as soil processes, vegetation growth, wildlife, water quality, and aquatic ecosystems. While drought has unfavorable impacts on both surface and groundwater resources, hydrological regimes can also be affected by it, changing the chemistry of surface waters and the runoff pathway, which can negatively influence water quality. Today one out of every three people is faced with the drought and water shortage risk, thus water scarcity and water stress. This book presents studies on the various forms and severity of the drought that can occur in almost every region of the world as well as their causes and impacts. It</p>

analyzes in detail the complex drought phenomenon, which has a significant impact on water resources, agriculture, energy production, human health, and forest fires.

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