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Autore	Gophen Moshe
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Nota di contenuto	Chapter 1. Historical implementation of the Hula Drainage and followed "Hula Project" -- Chapter 2. Regional Geographical and geological system structure -- Chapter 3. Meteorology: Climate change: air temperature, precipitation, dryness and desertification trends -- Chapter 4. Hydrology: Hydrological System structure: Head waters. Valley Canals (efore and after "Hula Project, agricultural development, Agmon-Hula, River Discharge, Runoff, Subterranean flows, Ground water Table, the impact of seasonal and multi-annual fluctuations of climate change on Hula Valley water balance -- Chapter 5. Nutrients: Water quality in River discharges, Hula Valley canals, and underground flows; the impact of Hula Valley on Nutrient inputs into Lake Knneret through Jordan River, Seasonal and long term fluctuations, the impact of climate change on nutrients dynamic -- Chapter 6. Agricultural management in the Hula valley: Crops diversity, irrigation policy, prevention of soil deterioration and linkage with touristic function maintenance -- Chapter 7. The Peat- Soil Convention: Conceptual and practical implementation: prevention of soil deterioration by moisture level control -- Chapter 8. The Agmon-Hula system: The impact of Agmon-Hula system on Nutrients removal from the Kinneret loads, Agmon water and nutrient balances, plants and birds distribution -- Chapter 9. Eco-tourism and ecological management of the the Hula

Sommario/riassunto

The anxious search for agricultural income resources, and assurance of the national water supply in the northern newly created state of Israel initiated the national project of the Hula Drainage. The implementation of this project was accompanied as of today by research and monitoring of the ecological trait aimed at crop harvest improvement in the Hula valley and prevention of water quality deterioration in Lake Kinneret. Forty years later a reclamation project to improve the peat soil property and renovate the hydrological system was carried out. This book documents the scientific research carried out during this mega-ecological project. Several issues of the ecological renovation and its impact on the Hula valley management and water quality in lake Kinneret are presented in this book. The advantage and contribution of a newly created shallow lake Agmon-Hula to nutrient dynamics, and hydrological control, accompanied by avian presence, (among others, Cranes, Storks, Pelicans, Flamingoes) and plants renewal which enhanced, tourism; potential impact of nitrogen and sulfate migration from the Hula valley on the Kinneret water quality; the role of climate change on the ecology of the Hula Valley and the Kinneret nutrient availabilities and phytoplankton community; the subterranean migration of water and nutrients and water loss. Further proposals for future development are under consideration. This book presents a comprehensive practical management implementation of a long-term ecological project. Results of scientific and monitoring research which followed the project implementation benefit the international and national communities.

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