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Nota di contenuto	Part 1. Water -- 1. Climate Change and Water Science Policy in Management (Adnan Badran) -- 2. The Triangle: Energy, Water & Food nexus for Sustainable Security in the Arab Middle East (Peter Rogers) -- 3. Water, food and trade as an element of the Water-Energy-Food Nexus in the MENA region (J. A. (Tony) Allan) -- 4. Water And Water Supply In The Mena: Less Of The Same (John Waterbury) -- 5. Water Conservation in the Arab Region (Abdin M.A. Salih) -- 6. State of the Art and Future Applications of Desalination Technologies in the Middle East (Corrado Sommariva) -- Part 2. Energy -- 7. Hydrocarbon Fuels from Lignocellulose (John R. Regalbuto) -- 8. Energy Storage Systems for Smart Grid Applications (Said Al-Hallaj) -- 9. Solar Energy in the Middle East (Nasir El Bassam) -- 10. Reducing Energy Cost for Wastewater Treatment in the Middle East: A Physio-Chemical

Prospective (Digambara Patra) -- 11. Wind Power and Potential for its Exploitation in the Arab World (Muhammad R. Hajj) -- Part 3. Food -- 12. Food Security in an Insecure Future (John R. Hillman) -- 13. Soils and Food Security in The Arab World (Isam Bashour) -- 14. Rainfed Agriculture and Food Security in Dry Areas (Kamil Shideed) -- 15. Ensuring Food Security by Improving "Freshwater Use Efficiency" or by Farming the Seas (Imad Saoud) -- 16. Impact Of Food Losses And Waste On Food Security (Wajih.N.Sawaya) -- 17. Foodborne Disease in the Middle East (Ewen C. D. Todd).

Sommario/riassunto

This book provides a survey of technologies available to tackle the problems associated with climate change in the energy, water and food security nexus with a special focus on the Middle East. It is divided into three main sections. The energy Section consists of six chapters, the water section of seven chapters and finally the food security section has six chapters. The individual chapters are authored by experts and provide discussions and in-depth views on the current status of each topic.
