1. Record Nr. UNINA9910254138303321

Titolo	Sustainable Water Management in Urban Environments / / edited by Tamim Younos, Tammy E. Parece
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2016
ISBN	3-319-29337-0
Edizione	[1st ed. 2016.]
Descrizione fisica	1 online resource (XVIII, 332 p. 107 illus., 91 illus. in color.)
Collana	The Handbook of Environmental Chemistry, , 1867-979X ; ; 47
Disciplina	307.1416
Soggetti	Environmental chemistry Environmental management Sustainable development Water pollution Water quality Environmental Chemistry Water Policy/Water Governance/Water Management Sustainable Development Waste Water Technology / Water Pollution Control / Water Management / Aquatic Pollution Water Quality/Water Pollution
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di contenuto	Integrated Urban Water Management: Improve Efficient Water Management and Climate Change Resilience in Cities -- Carbon Footprint of Water Consumption in Urban Environments: Mitigation Strategies -- Reclaimed Water Use and Energy Consumption: Case Study in Hotel Industry, Beijing -- Urban Stormwater Management: Evolution of Process and Technology -- Stream Restoration in Urban Environments: Concept, Design Principles and Case Studies of Stream Daylighting -- Sustainable Water Management in Green Roofs -- Modern Urban Rainwater Harvesting Systems: Design, Case Studies, Impacts.-Irrigating Urban Agriculture with Harvested Rainwater: Case Study in Roanoke, Virginia, USA -- Urban wastewater for sustainable urban agriculture and water management in developing countries --

	Urban Water Management Challenges in Developing Countries: The Middle East and North Africa (MENA).
Sommario/riassunto	This volume focuses on practical aspects of sustainable water management in urban areas and presents a discussion of key concepts, methodologies, and case studies of innovative and evolving technologies. Topics include: (1) challenges in urban water resiliency; (2) water and energy nexus; (3) integrated urban water management; and (4) water reuse options (black water, gray water, rainwater). This volume serves as a useful reference for students and researchers involved in holistic approaches to water management, and as a valuable guide to experts in governmental agencies as well as planners and engineers concerned with sustainable water management systems in urban environments. .