1. Record Nr. UNINA9910298362003321

Titolo	Potable Water : Emerging Global Problems and Solutions / / edited by Tamim Younos, Caitlin A. Grady
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2014
ISBN	3-319-06563-7
Edizione	[1st ed. 2014.]
Descrizione fisica	1 online resource (XVII, 233 p. 45 illus., 33 illus. in color.) : online resource
Collana	The Handbook of Environmental Chemistry, , 1616-864X ; ; 30
Disciplina	363.61
Soggetti	Environmental chemistry Water Hydrology Analytical chemistry Geochemistry Environmental Chemistry Analytical Chemistry
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di contenuto	Potable Water Quality Standards and Regulations: A Historical and World Overview -- Global Potable Water: Current Status, Critical Problems and Future Perspectives -- Coping with Emerging Contaminants in Potable Water Sources -- Drinking Water Distribution: Emerging Issue in Minor Water Systems -- The Effects of Water Energy Nexus on Potable Water Supplies -- Municipal Wastewater – A Rediscovered Resource for Sustainable Water Reuse -- Advances in Desalinisation Technologies: Solar Desalinisation -- Bottled Water: Global Impacts and Potential.
Sommario/riassunto	This volume presents a unique and comprehensive glimpse of current and emerging issues of concern related to potable water. The themes discussed include: (1) historical perspective of the evolution of drinking water science and technology and drinking water standards and regulations; (2) emerging contaminants, water distribution problems and energy demand for water treatment and transportation; and (3)

using alternative water sources and methods of water treatment and distribution that could resolve current and emerging global potable problems. This volume will serve as a valuable resource for researchers and environmental engineering students interested in global potable water sustainability and a guide to experts affiliated with international agencies working toward providing safe water to global communities.