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Titolo	Women in Water Quality : Investigations by Prominent Female Engineers // edited by Deborah Jean O'Bannon
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Edizione	[1st ed. 2020.]
Descrizione fisica	1 online resource (XII, 209 p. 52 illus., 39 illus. in color.)
Collana	Women in Engineering and Science, , 2509-6427
Disciplina	620.1064 628.161
Soggetti	Fluid mechanics Water pollution Environmental sciences Engineering geology Engineering—Geology Foundations Hydraulics Water quality Women Engineering Fluid Dynamics Waste Water Technology / Water Pollution Control / Water Management / Aquatic Pollution Environmental Science and Engineering Geoengineering, Foundations, Hydraulics Water Quality/Water Pollution Women's Studies
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Introduction -- History of women in water quality engineering -- Drinking water and health -- Use of non-potable water supplies -- Urban water quality and children's health -- Viral outbreaks in wastewater -- Wastewater treatment -- Biologically-active compounds -- The future of wastewater management -- Stormwater and natural

systems -- Metal speciation in sediments -- Biofilms -- Rain garden effectiveness -- Pervious concrete -- Conclusion.

Sommario/riassunto

This volume captures the impact of women's research on the public health and environmental engineering profession. The volume is written as a scholarly text to demonstrate that women compete successfully in the field, dating back to 1873. Each authors' chapter includes a section on her contribution to the field and a biography written for a general audience. This volume also includes a significant representation of early women's contributions, highlighting their rich history in the profession. The book covers topics such as drinking water and health, biologically-active compounds, wastewater management, and biofilms. This volume should be of interest to academics, researchers, consulting engineering offices, and engineering societies while also inspiring young women to persist in STEM studies and aspire to academic careers. Features a blend of innovations and contributions made by women in water quality engineering, as well as their path to success, including challenges in their journeys Presents an opportunity to learn about the breadth and depth of the field of water quality Includes a history of women in water quality engineering as well as research in current issues such as urban water quality, biologically-active compounds, and biofilms.
