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Nota di contenuto	1 Qualitative Characterization of Household Greywater in Developing Countries -- 2 Consequences of Improper Disposal of Greywater -- 3 Determination of Pathogenic Organisms in Greywater -- 4 Reuse of Greywater for Irrigation Purposes -- 5 A Potential Reuse of Greywater in Developed and Developing Countries -- 6 Management of Household Greywater (Storage and Treatment Technologies) -- 7 Phycoremediation as a Green Technology for Removal of Nutrients from Greywater -- 8 Bioremediation of Heavy Metals in Greywater -- 9 Disinfection Technologies for Household Greywater. - 10 Centralized

and Decentralized Treatment Systems for Household Greywater in Rural Regions -- 11 Recycling of Greywater for Production of Biomass and Bio-Products by Microalgae -- 12 Nanotechnology Application in Greywater Treatment -- 13 Further Application of Greywater.

Sommario/riassunto

This book reviews the consequences of improper disposal of greywater into the environment and the most appropriate treatment technologies for developing countries, focusing on the potential to reuse greywater as a production medium for biomass and bio-products. It also describes the quantities and qualitative characteristics, as well as the common practice of discharging greywater in developing countries, and highlights the associated health risks. Further, it compares the management of greywater in developed and developing countries and explores the advantages and disadvantages of various treatment technologies, discussing the reuse of greywater for irrigation purposes in arid and sub-arid countries, especially in the Middle East. The book shows the benefits of greywater and introduces low-cost technologies based on the available local facilities can be used to discharge, reuse, and recycle it.
