



## Greywater Reuse

By Amit Gross, Adi Maimon, Yuval Alfiya, Eran Friedler

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**Greywater Reuse** By Amit Gross, Adi Maimon, Yuval Alfiya, Eran Friedler

**Greywater Reuse** examines the features and implications of greywater reuse scientifically, quantitatively, and thoroughly. Based on the authors' extensive studies of treatment facilities in urban and rural environments, development of greywater treatment systems, and research of potential environmental and health risks posed by greywater at different treatment levels, this authoritative text:

- Describes the chemical, physical, and microbial properties of greywater
- Covers the treatment and removal of greywater pollutants, providing case studies of common methods
- Identifies the risks involved in greywater use and proposes regulatory measures to help reduce these risks
- Reviews the greywater management strategies, policies, and legislation of several different countries
- Discusses the prevailing public perception and willingness to adopt various uses of greywater
- Analyzes the economic impact of greywater reuse from both the consumer and national perspectives

**Greywater Reuse** addresses all major aspects related to greywater reuse, making it a valuable resource for a variety of applications.

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## **Editorial Review**

### Review

"... the most comprehensive publication on greywater reuse to date. ... spans the chemical, microbial, physical, economic, management and policy basics of greywater and its reuse. The set of practices and policies addressed in the book can lead towards water security in the face of climate change and heightened human demand."

?*Water International Journal*, October 2015

"To my knowledge, this is the first book that provides scientific data for safe reuse of greywater and should provide the basis for promoting safe reuse of greywater. Hence, it should be useful for a wide range of audiences, from policy makers at national, state, and local governments to the academic community in teaching and learning, as well as for researchers as a basis to advance knowledge in this field."

?Goen Ho, Murdoch University, Perth, Western Australia

"... comprehensive, international, unbiased, expert."

?David Butler, University of Exeter, UK

### About the Author

**Amit Gross** completed his undergraduate studies at the Hebrew University of Jerusalem, Israel, and earned his M.Sc and Ph.D from Auburn University, Alabama, USA. He conducted postdoctoral training in Australia and at Ben-Gurion University of the Negev, Israel, where he is currently associate professor in the Department of Environmental Hydrology and Microbiology, Zuckerberg Institute for Water Research, Jacob Blaustein Institutes for Desert Research. Dr. Gross's research involves the treatment and efficient use of marginal water and the environmental risks associated with contaminated water resources. Widely published, he serves on the editorial boards of several journals and on the committees of various national and international conferences.

Adi Maimon completed her undergraduate studies in marine sciences at the Ruppin Academic Center, Israel. She earned her M.Sc in 2010, and then undertook a Ph.D program with Dr. Gross at Ben-Gurion University of the Negev, Israel, where she currently studies various aspects of greywater reuse.

Yuval Alfiya completed his undergraduate studies in environmental engineering at the Technion – Israel Institute of Technology, Haifa, where he also earned an M.Sc in agricultural engineering. From 2004 to 2008, he worked as a research assistant in the National Center for Mariculture, Eilat, Israel. He then worked for five years as a research engineer with Dr. Friedler. In 2013, he began his Ph.D program with Dr. Friedler at the Technion – Israel Institute of Technology, Haifa, where he currently studies various aspects of greywater reuse.

Eran Friedler completed his undergraduate studies at the Hebrew University of Jerusalem, Israel, and earned his Ph.D from the Technion – Israel Institute of Technology, Haifa. He conducted postdoctoral training at the

Imperial College London, UK, and then returned to Israel to become a partner in an environmental consultancy. He is currently associate professor in the Department of Environmental, Water, and Agricultural Engineering, member of the Grand Water Research Institute, and senior research fellow of the Samuel Neaman Institute for Advanced Studies in Science and Technology at the Technion. Widely published, Dr. Friedler is associate editor of the *Urban Water Journal* and serves on various conference committees.

## **Users Review**

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#### **Larry Gutierrez:**

The book Greywater Reuse gives you the sense of being enjoy for your spare time. You should use to make your capable much more increase. Book can to get your best friend when you getting stress or having big problem using your subject. If you can make looking at a book Greywater Reuse to become your habit, you can get much more advantages, like add your current capable, increase your knowledge about some or all subjects. You may know everything if you like open and read a book Greywater Reuse. Kinds of book are a lot of. It means that, science publication or encyclopedia or other people. So , how do you think about this book?

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