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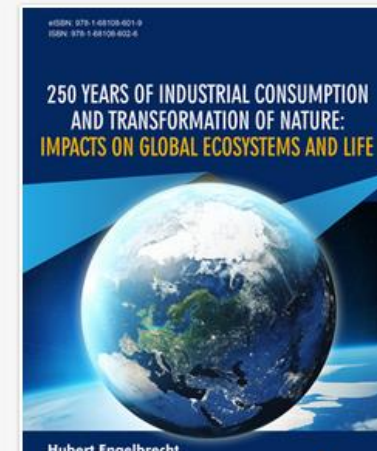
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PREFACE

Water savings in buildings has been a matter of concern all over the world. sources as well as water saving appliances have been studied by many researchers to promote water savings in buildings. Rainwater tank sizing and mode treatment and reuse, relationship between user behaviour and water saving related to water savings and environmental analysis of rainwater and buildings are subjects related to water savings in buildings. Thus, the objective is to put together some of these aspects by means of seven chapters written by researchers.

Chapter 1, written by Andrea Teston, Barbara Müller Colasio and Eneidir Gh University of Santa Catarina, Brazil, presents the state of the art on water saving in Brazil. The authors conclude that there is a high potential for potable buildings by using rainwater for non-potable purposes in Brazil.

Chapter 2, written by M. Ashiqur Rahman, Md Mahmudul Haque, Amir Rahman, of the Western Sydney University, Australia, focus on rainwater reduce potable water demand in buildings in Australia.

Ilaria Gnecco and Anna Palla (of the University of Genova), and Alberto Carlo Modica (of the University of Catania), Italy, wrote Chapter 3. It assesses for designing rainwater harvesting systems. The impact of European precipitation the management of rainwater tanks as well as on the influence of water performance of the system was also analysed.

Chapter 4 was written by Ghazaleh Vaseghi, Ilke Celik and Defne Apul (of Toledo) and Steven Burian (of University of Utah), USA. It contains an a multi-criteria decision analysis to study the tradeoffs of rainwater harvesting

Chapter 5, written by Asher Kiperstok and Alice Costa Kiperstok, of the F of Bahia, Brazil, discusses the implementation of water saving programmes and university buildings over seventeen years in Bahia.

Chapter 6 was written by Cristina Matos Silva and Vitor Sousa, of the Uni and Inês Meireles, of the University of Aveiro, Portugal. The performance harvesting systems in residential buildings, a shopping centre and a university Portugal, covering different water use patterns and geographical locations chapter.

And last but not least, Cristina Santos (of the University of Porto), Cristina University of Beira Interior and University of Trás-os-Montes and Alto Douro Silva-Afonso (of the University of Aveiro), Portugal, are the authors of the chapter assesses health issues related to the application of water saving systems

It is possible to observe that most of the locations presented in this eBook there is a great potential for potable water saving through the use of rainwater. Rainwater harvesting can increase water availability and, as a consequence,

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