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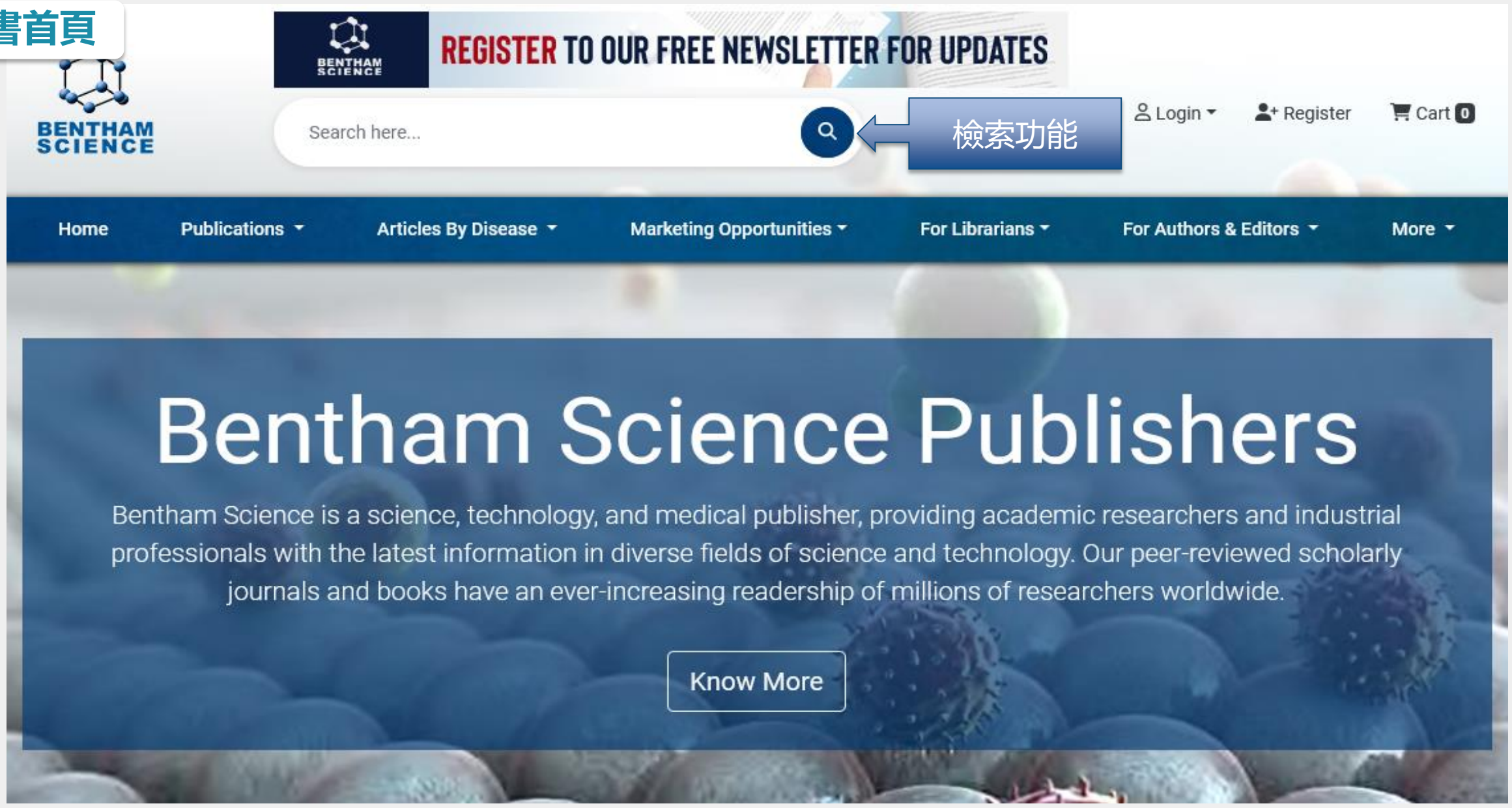

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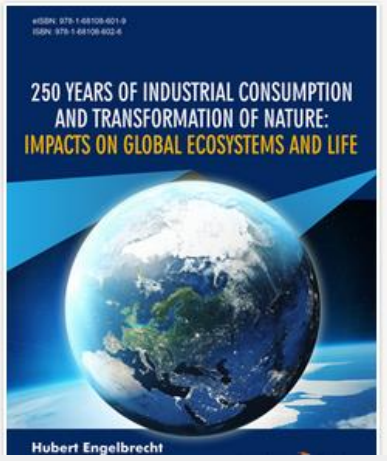

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Water Savings in Buildings

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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 resea try to promote water savings in buildings. Rainwater tank sizing and mode treatment and reuse, relationship between user behaviour and water savi related to water savings and environmental analysis of rainwater and g buildings are subjects related to water savings in buildings. Thus, the objec is to put together some of these aspects by means of seven chapters writ researchers.

Chapter 1, written by Andrea Teston, Barbara Müller Colasio and Enedir Gh University of Santa Catarina, Brazil, presents the state of the art on water sa 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 A Rahman, of the Western Sydney University, Australia, focus on rainwa 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 assess for designing rainwater harvesting systems. The impact of European precipi 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 ap 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 programm 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 performa harvesting systems in residential buildings, a shopping centre and a univ Portugal, covering different water use patterns and geographical locations chapter.

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

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 rainw Rainwater harvesting can increase water availability and, as a consequer

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