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The story of an unconventional man; tales of adventure, travel and inspirational meetings. From hazardous sports to bold business ventures, music, and dance - all life is here.

Provides a clearly presented overview of the law's provisions and pertinent regulation and enforcement issues.

The Landmark Water Use and Treatment Resource—Fully Updated for Optimizing Water Processes This industry-standard resource from the world's leading water management company offers practical guidance on the use and treatment of water and wastewater in industrial and institutional facilities. Revised to align with the latest regulations and technologies, The Nalco Water Handbook, Fourth Edition, explains water management fundamentals and clearly shows how to improve water quality, minimize usage, and optimize treatment processes. Throughout, new emphasis is placed on today's prevailing issues, including water scarcity, stressors, and business risk. Covers all essential water treatment

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topics, including: • Water management fundamentals • The business case for managing water • Water sources, stressors, and quality • Basic water chemistry • Impurity removal • Steam generation • Cooling water systems • Safety for building water systems • Post-treatment • Energy in water systems • Water applications across various industries

According to estimates by the International Land Coalition based at the International Fund for Agricultural Development (IFAD), 57 million hectares of land have been leased to foreign investors since 2007. Current research has focused on human rights issues related to inward investment in land but has been ignorant of water resource issues and the challenges of managing scarce water. This handbook will be the first to address inward investment in land and its impact on water resources in Africa. The geographical scope of this book will be the African continent, where land has attracted the attention of risk-taking investors because much land is under-utilised marginalized land, with associated water resources and rapidly growing domestic food markets. The successful implementation of investment strategies in African agriculture could determine the future of more than one billion people. An important factor to note is that sub-Saharan Africa will, of all the continents, be hit hardest by climate change, population growth and food insecurity. Sensible investment in agriculture is

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therefore needed, however, at what costs and at whose expense? The book will also address the livelihoods theme and provide a holistic analysis of land and water grabbing in sub-Saharan Africa. Four other themes will be addressed: politics, economics, the environment and the history of land investments in sub-Saharan Africa. The editors have involved a highly diverse group of expert researchers, who will review the pro- and anti-investment arguments, geopolitics, the role of capitalist investors, the environmental contexts and the political implications of, and reasons for, leasing millions of hectares in sub-Saharan Africa. To date, there has been no attempt to review land investments through a suite of different lenses, thus this handbook will differ significantly from existing research and publication. The editors are Tony Allan, (Professor Emeritus, Department of Geography, School of Oriental and African Studies and King's College London); Jeroen Warner (Assistant Professor, Disaster Studies, University of Wageningen); Suvi Sojamo (PhD Researcher, Water and Development Research Group, Aalto University); and Martin Keulertz (PhD Researcher, Department of Geography, London Water Group, King's College London).

An evolving, living organic/inorganic covering, soil is in dynamic equilibrium with the atmosphere above, the biosphere within, and the geology below. It acts as an anchor for roots, a purveyor of water and nutrients, a residence for a vast

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community of microorganisms and animals, a sanitizer of the environment, and a source of raw materials for co

Water plays a key role in addressing the most pressing global challenges of our time, including climate change adaptation, food and energy security, environmental sustainability and the promotion of peace and stability. This comprehensive handbook explores the pivotal place of law and policy in efforts to ensure that water enables positive responses to these challenges and provides a basis for sound governance. The book reveals that significant progress has been made in recent decades to strengthen the governance of water resource management at different scales, including helping to address international and sub-national conflicts over transboundary water resources. It demonstrates that 'effective' laws and policies are fundamental drivers for the safe, equitable and sustainable utilization of water. However, it is also shown that what might constitute an effective law or policy related to water resources management is still hotly debated. As such, the handbook provides an important and definitive reference text for all studying water governance and management.

* Take a look at the dedicated microsite for free sample content - architecturalpress.com/the-metric-handbook * Originally devised as a guide for converting from imperial to metric measurements, 'The Metric Handbook' has

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since been totally transformed into the major handbook of planning and design data for architects. This new edition has been updated to account of the most recent changes to regulation and practice – in particular the increasing emphasis on environmental legislation - to meet the needs of the modern building design professional. The Metric Handbook deals with all the principal building types from airports, factories and warehouses, offices shops and hospitals, to schools, religious buildings and libraries. For each type the book gives the basic design requirements and all the principal dimensional data, as well as succinct guidance on how to use the information and what regulations the designer may need to be aware of. As well as buildings the Metric Handbook deals with broader aspects of design such as materials, acoustics and lighting, and general design data on human dimensions and space requirements. The Metric Handbook is a unique authoritative reference for solving everyday planning problems. It has sold well over 100,000 copies worldwide to successive generations of architects and designers – this is a book that truly belongs on every design office desk and drawing board.

Let's talk about the ozone layer. Let's discuss how beneficial this shield is to human, animal and plant health. After which, let's move towards how it can be protected from future harm. After all, damage to the ozone layer will ultimately affect all life on Earth.

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Knowledge is the first step to acting towards environmental care. Get this book today! 2011 Updated Reprint. Updated Annually. Russia Ecology & Nature Protection Laws and Regulation Handbook

Maximize your water harvesting potential with efficient, cost-effective earthworks In the face of drought and desertification, well-designed, water harvesting earthworks such as swales, ponds, and dams are the most effective way to channel water into productive use. The result can be increased food production, higher groundwater levels, reduced irrigation needs, and enhanced ecosystem resilience. Yet, due to a lack of knowledge, designers, and landowners often build earthworks that are costly, inappropriately sized and sited, or even dangerous. The Permaculture Earthworks Handbook is the first dedicated, detailed guide to the proper design and construction of water harvesting earthworks. It covers the function, design, and construction methods for nine main types of water harvesting earthworks across a full range of climates. Coverage includes: Swales, ponds, dams, hugelkultur, net-and-pan systems, spate irrigation, and more Cost versus benefit of different earthworks Assessing site needs and suitability Soil types and hydrology Designing for maximum efficiency and lowest cost Risk assessment and safe construction Stacking functions and integrating earthworks into a design This practical handbook is the essential resource for permaculture designers, teachers and students, landowners, farmers, homesteaders, landscape architects, and others involved in maximizing the water harvesting potential of any landscape at the

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lowest cost and impact. Douglas Barnes is a permaculture designer trained in Australia by Bill Mollison and Geoff Lawton. He has designed and built earthworks in North America, Japan, and Andra Pradesh, India. He lives in Tweed, Ontario in a passive solar house he designed and built, and he blogs at permaculturerelections.com.

Awaken one...awaken them all. Insomniac Piper Laurel focuses on the simple things, the feel-good things. She likes her coffee black, her wine cheap, and her men gone by morning. But when her last living relative dies, she must confront the feel-bad things. She's the last Laurel, she's almost thirty, and she's completely alone. When she returns to her sleepy seaside hometown, her ex is still as yummy as ever, and a familiar-seeming stranger is also there to tug at her heartstrings. But a love triangle isn't the only thing waiting for her. The immortal Anik has spent centuries plotting to claim the last Laurel--and a lot of innocent souls in the bargain. To survive Anik and the Realm Wars, Piper must forget her version of reality and awaken to her destiny as a Seekin, Guardian of Souls. With two men vying for her heart and hellhounds on her heels, Piper must decide who she trusts and who she loves while embracing her destiny with her eyes wide open.

Kids who grow up with basic values of conserving water, energy and not polluting will have a better chance of being responsible adults who care about others, animals and their surroundings. Eco Stars books help bring these value in a FUN and EXCITING way! The Mysterious Lake Bandit specifically touches the subject of water conservation:

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why is it important to conserve water, daily actions we can take to save water, how important it is to us and to others. It also teaches where our water comes from which many children do not know! If your child is already an Eco Star, a kid who is aware of being Eco Friendly and taking care of the planet, this book will make him or her smile and make him or her proud! The Eco Stars captivating story leaves your child inspired about conserving water. "On a hot summer day, the residents of Ecolandia wake up to a town without water! As the Eco Stars begin to investigate they come to suspect the town's water could have been... Stolen?!? But by whom and why!? Join them to find out! The book is part of the "Eco Stars Series," stories that will inspire your child to be an Eco Star: Someone who is Eco Friendly, kind to the environment and to animals. The Eco Stars Series enwraps your child in the imaginative world of Ecolandia with lively, playful and stimulating adventures that teach your child to be an Eco Star! Violence and insecurity are among the most important issues facing communities in the 21st century. Both family violence and community violence are rapidly rising in the urbanizing nations of the 'South', and richer nations are also facing increased violence. Handbook of Land and Water Grabs in Africa Foreign Direct Investment and Food and Water Security Routledge

Growing scarcity of freshwater worldwide brings to light the need for sound water resource modeling and policy analysis. While a solid foundation has been established for many specific water management problems, combining those

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methods and principles in a unified framework remains an ongoing challenge. This Handbook aims to expand the scope of efficient water use to include allocation of sources and quantities across uses and time, as well as integrating demand-management with supply-side substitutes. Socially efficient water use does not generally coincide with private decisions in the real world, however. Examples of mechanisms designed to incentivize efficient behavior are drawn from agricultural water use, municipal water regulation, and externalities linked to water resources. Water management is further complicated when information is costly and/or imperfect. Standard optimization frameworks are extended to allow for coordination costs, games and cooperation, and risk allocation. When operating efficiently, water markets are often viewed as a desirable means of allocation because a market price incentivizes users to move resources from low to high value activities. However, early attempts at water trading have run into many obstacles. Case studies from the United States, Australia, Europe, and Canada highlight the successes and remaining challenges of establishing efficient water markets.

The definitive work on the subject, it offers you comprehensive and accurate coverage of the theory and techniques of ground water development. Provides not only a general overview of the topic with applications but also incorporates

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sufficient detail to be of use to professionals involved in any phase of ground water. Divided into three parts, the text traces the progression of the study of ground water from its origin through its development and exploitation. Part one deals mainly with the nature of ground water and where it can be found. Part two considers the parameters related to water well design and construction. In part three, there is a thorough review of well and well field operation, including monitoring for environmental protection. Although the focus is on high-capacity ground water producing installations, most of the material is also applicable to lower-yield wells.

What's so tough about building a solar collector? Most people think it's time they tried to do their part at lowering their monthly utility bills or curbing climate change, but they suspect that their dream of building a hot water solar collector is more than they can handle. In some cases, this may be true. However, if you have already performed your own plumbing repairs, this project may not be as difficult as and more affordable than you imagine. This down-to-earth guide can show you just how possible such a project can be. With simple step-by-step instructions, fifty-six clear illustrations, and a complete parts list from a major hardware store, you may fulfill your dream of going solar sooner than you think. This is an excellent book with clear and well thought out plans. With a little

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investment of time and the parts listed, you will have a worthy product that will save money and provide satisfaction. A. J. Shea I am very impressed with the plans for this solar hot water system. I think it was easy to understand and complete with material lists and where to get them. I am looking forward to building one soon. Dean Cardin For anyone wanting to build their own solar collector, this is a great tool. Like others have said, follow the directions with respect to the materials specified. BigBear

One of Fuller's most popular works, *Operating Manual for Spaceship Earth*, is a brilliant synthesis of his world view. In this very accessible volume, Fuller investigates the great challenges facing humanity. How will humanity survive? How does automation influence individualization? How can we utilize our resources more effectively to realize our potential to end poverty in this generation? He questions the concept of specialization, calls for a design revolution of innovation, and offers advice on how to guide "spaceship earth" toward a sustainable future. Description by Lars Muller Publishers, courtesy of The Estate of Buckminster Fuller

In this beautifully illustrated work, Pietro Laureano shares with us the fruits of more than a quarter of a century of careful observation of traditional knowledge and techniques applied to urban settlements and landscape resources

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management in all regions of the world. The book introduces us to very sophisticated, thousand-year-old, capacities developed by local communities and civilizations around the world, amongst which water harvesting techniques, recycling of organic wastes and used waters for soil fertility conservation or, in more general terms, the ecosystemic approach to town planning, are anything but new! The volume is also the most convincing illustration of the fact that, whereas modern technological solutions rely on separation and specialization and for most of the time imply the mobilization of external resources, traditional knowledge, which by its very nature applies the principle of integration and uses internal renewable inputs, has proved over time to be effective in the daily struggle of civilizations against adverse environments and, more recently, against desertification.

Extensively revised and updated, Handbook of Water Analysis, Third Edition provides current analytical techniques for detecting various compounds in water samples. Maintaining the detailed and accessible style of the previous editions, this third edition demonstrates water sampling and preservation methods by enumerating different ways to measure chemical and radiological characteristics. It gives step-by-step descriptions of separation, residue determination, and clean-up techniques. See What's New in the Second Edition: Includes five new

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chapters covering ammonia, nitrates, nitrites, and petroleum hydrocarbons, as well as organoleptical and algal analysis methodology Compares older methods still frequently used with recently developed protocols, and examines future trends Features a new section regarding organoleptical analysis of water acknowledging that ultimately the consumers of drinking water have the final vote over its quality with respect to odor, flavor, and color The book covers the physical, chemical, and other relevant properties of various substances found in water. It then describes the sampling, cleanup, extraction, and derivatization procedures, and concludes with detection methods. Illustrated with procedure flow charts and schematics, the text includes numerous tables categorizing methods according to type of component, origin of the water sample, parameters and procedures used, and application range. With contributions from international experts, the book guides you through the entire scientific investigation starting with a sampling strategy designed to capture the real-world situation as closely as possible, and ending with an adequate chemometrical and statistical treatment of the acquired data. By organizing data into more than 300 tables, graphs, and charts, and supplementing the text with equations and illustrations, the editors distill a wealth of knowledge into a single accessible reference.

This work provides those involved in water purification research and

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administration with a comprehensive resource of methods for analyzing water to assure its safety from contaminants, both natural and human caused. The book first provides an overview of major water-related issues in developing and developed countries, followed by a review of issues of sampling for water analysis, regulatory considerations and forensics in water quality and purity investigations. The subsequent chapters cover microbial as well chemical contaminations from inorganic compounds, radionuclides, volatile and semi-volatile compounds, disinfectants, herbicides, and pharmaceuticals, including endocrine disruptors, as well as potential terrorist-related contamination. The last chapter describes the Grainger prize-winning filter that can remove arsenic from water sources and sufficiently protect the health of a large number of people. - Covers the scope of water contamination problems on a worldwide scale - Provides a rich source of methods for analyzing water to assure its safety from natural and deliberate contaminants - Describes the filter that won the \$1 million Grainger prize and thereby highlighting an important approach to remediation A lake turns into an island. A cozy bay into a secluded cape. A gulf with sea turtles transforms into a peninsula surrounded by pirate ships. This unique information book for the very young switches between bodies of water and corresponding land masses with the simple turn of a page. Readers will delight as the story of Water Land unfolds and will see just how connected

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the earth and the water really are. This book has Common Core connections.

Welcome to the premiere edition of "The Fishing Smart Anywhere Handbook for Salt Water & Fresh Water." As an award-winning author, I embrace (along with my companion of over forty years, Donna) a number of water-related activities. Sixty years of experience went into writing this concise yet comprehensive guide. If I had to sum up this handbook in a single word, it is all about having Fun. Be it spin casting, bait casting or the supposed arcane art of fly casting, together we will target new tackle, examine time-tested techniques, and apply innovative approaches to these three basic methods-methods that will give the angler the added edge. Whether saltwater or freshwater fishing, clamming, crabbing, kayaking, cooking seafood or smoking fish, selecting the proper equipment is of paramount importance. The information presented will prove priceless, providing you with practical advice, serious savings, unprecedented quality and value. That's a promise, not hyperbole. Get it right the first time, and avoid unnecessary aggravation and expense. Taking fresh fish and shellfish from our seas and shores is rewarding, for there is a world of delectable fare that awaits you. Perfected over the course of many years, I present gourmet recipes that will delight you, your family and friends. Written in an informative, entertaining and often humorous fashion, this handbook is for the beginner, intermediate as well as the advanced outdoors enthusiast, serving as either a condensed treatment of a subject or a concise reference. I offer you a unique approach in that this information is superbly blended and balanced to accommodate all levels of experience-from introducing and instructing newcomers to many enjoyable and rewarding water-related activities, to presenting veteran outdoorsmen/women with creative techniques. Residing on the water, Donna and I live, sleep, breathe and share our outdoor experiences with you. Having

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spent sixty years plying the waters along the eastern seaboard, we have made the East End of Long Island our home and playground for the past twenty-three years. We have been praised by Angelo Peluso-outdoors author, columnist and avid fisherman-as the "Best writing and fishing tag-team on Long Island." I invite you to join Donna and me on our continual journey. Living the good life is yours for the taking.

Design options and planning procedures must be critically examined to ensure that landscapes are created with sensitivity to water quality and management issues as well as overall ecological integrity. Handbook of Water Sensitive Planning and Design presents the history of water as a design and planning element in landscape architecture and describes new interpretations of water management. This text pushes the frontiers of standard water management in new directions, challenging readers into abandoning the comfortable safety of conducting business-as-usual within narrow disciplinary confines, and instead directing views outward to the exciting and incompletely mapped regions of true interdisciplinary water sensitive planning and design. With contributions from renowned practitioners, Part I provides seventeen chapters addressing the subject of site-specific water sensitive design and Part II presents another seventeen chapters focusing on issues relating to the water sensitive planning of riparian buffers and watersheds. In addition, Professor France has provided a "Response" to accompany each chapter, which succinctly underscores the salient features in more detail and emphasizes cross-linking to other chapters in the book. The "Overview" provides a brief road-map to navigate through the section. Finally, the discussion summaries at the end of each section elaborate on past problems, current challenges, and future directions. Handbook of Water Sensitive Planning and Design puts forward the very best of modern water

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sensitive planning and design and should be required reading for everyone involved in this dynamic and crucial field.

Covering basic theory, components, installation, maintenance, manufacturing, regulation and industry developments, *Gas Turbines: A Handbook of Air, Sea and Land Applications* is a broad-based introductory reference designed to give you the knowledge needed to succeed in the gas turbine industry, land, sea and air applications. Providing the big picture view that other detailed, data-focused resources lack, this book has a strong focus on the information needed to effectively decision-make and plan gas turbine system use for particular applications, taking into consideration not only operational requirements but long-term life-cycle costs in upkeep, repair and future use. With concise, easily digestible overviews of all important theoretical bases and a practical focus throughout, *Gas Turbines* is an ideal handbook for those new to the field or in the early stages of their career, as well as more experienced engineers looking for a reliable, one-stop reference that covers the breadth of the field. Covers installation, maintenance, manufacturer's specifications, performance criteria and future trends, offering a rounded view of the area that takes in technical detail as well as well as industry economics and outlook Updated with the latest industry developments, including new emission and efficiency regulations and their impact on gas turbine technology Over 300 pages of new/revised content, including new sections on microturbines, non-conventional fuel sources for microturbines, emissions, major developments in aircraft engines, use of coal gas and superheated steam, and new case histories throughout highlighting component improvements in all systems and sub-systems.

Emerging Technologies for Sustainable Desalination Handbook provides professionals and

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researchers with the latest treatment activities in the advancement of desalination technology. The book enables municipalities and private companies to custom-design sustainable desalination plants that will minimize discharge, energy costs and environmental footprint. Individual case studies are included to illustrate the benefits and drawback of each technique. Sections discuss a multitude of recently developed, advanced processes, along with notable advances made in existing technologies. These processes include adsorption, forward osmosis, humidification and dehumidification, membrane distillation, pervaporation and spray type thermal processes. In addition, theoretical membrane materials, such as nanocomposite and carbon nanotube membranes are also explored. Other chapters cover the desalination of shale gas, produced water, forward osmosis for agriculture, desalination for crop irrigation, and seawater for sustainable agriculture. International in its coverage, the chapters of this handbook are contributed by leading authors and researchers in all relevant fields. Expertly explains recent advances in sustainable desalination technology, including nanocomposite membranes, carbon nanotube membranes, forward reverse osmosis and desalination by pervaporation Provides state-of-the-art techniques for minimizing system discharge, energy cost and environmental footprint Includes individual case studies to illustrate the benefits and drawbacks of each technique Discusses techniques for the custom-design of sustainable desalination plants for municipalities, private companies and industrial operations Save time and effort with this practical guide to all aspects of water and soil conservation Soil and Water Conservation Handbook is a concise, compact encyclopedia of the policies, practices, conditions, and terms related to soil and/or water conservation. This handy A-to-Z guide contains descriptions of more than 700 entries, presented in a practical, non-technical

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format that's suitable for beginners as well as experts. It's a ready reference source of information for researchers, extension agents, policymakers, academics, and anyone else concerned about soil and water conservation. Internationally acclaimed soil scientist Dr. Paul Unger has called on his 35 years experience researching the effects of tillage, crop residues, and soil management as well as his observations in more than 40 countries to assemble a resource on soil and water conservation that's concise but comprehensive. Sources for the book's main and secondary entries—many of which are cross-referenced—include technical journals, bulletins, reports, farm magazines, commercial leaflets, books, and Internet resources. Soil and Water Conservation Handbook also includes a detailed table of contents and an index, allowing quick and easy access to any entry. Soil and Water Conservation Handbook includes entries that cover: climate characteristics cropping systems and sequences erosion types human factors management issues planting and seeding methods crop residue types and management practices soil and land conditions tillage methods water control practices and much more Soil and Water Conservation Handbook is an invaluable reference for researchers, agricultural extension agents, Natural Resource Conservation Service personnel, educators and students, land managers, and farmers.

This comprehensive handbook provides an authoritative source of information on global water and health, suitable for interdisciplinary teaching for advanced undergraduate and postgraduate students. It covers both developing and developed country concerns. It is organized into sections covering: hazards (including disease, chemicals and other contaminants); exposure; interventions; intervention implementation; distal influences; policies and their implementation; investigative tools; and historic cases. It offers 71 analytical and

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engaging chapters, each representing a session of teaching or graduate seminar. Written by a team of expert authors from around the world, many of whom are actively teaching the subject, the book provides a thorough and balanced overview of current knowledge, issues and relevant debates, integrating information from the environmental, health and social sciences.

"With this user-friendly guide designed to be taken outdoors, the reader will become familiar with the practical steps to improve and protect the land. The handbooks also explains how to save time and money by using natural materials-at-hand, recycling items used on the homestead and following the everyday examples of Nature. Written for landowners, outdoor organizations and resources agency technicians, this conservation handbook explains the procedures of how to identify, design and undertake effective, durable conservation tasks--some of which can be completed without tools or equipment in five minutes."--P. [4] of cover.

This book provides an overview of facts, theories and methods from hydrology, geology, geophysics, law, ethics, economics, ecology, engineering, sociology, diplomacy and many other disciplines with relevance for concepts and practice of water resources management. It provides comprehensive, but also critical reading material for all communities involved in the ongoing water discourses and debates. The book refers to case studies in the form of boxes, sections, or as

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entire chapters. They illustrate success stories, but also lessons to be remembered, to avoid repeating the same mistakes. Based on consolidated state-of-the-art knowledge, it has been conceived and written to attract a multidisciplinary audience. The aim of this handbook is to facilitate understanding between the participants of the international water discourse and multi-level decision making processes. Knowing more about water, but also about concepts, methods and aspirations of different professional, disciplinary communities and stakeholders professionalizes the debate and enhances the decision making. Water harvesting is gaining more and more recognition as a sustainable and resilient water supply options. It is economically viable, socially compatible and environmentally friendly. Water harvesting has proven to be a robust solution to overcome or reduce water shortages all over the world. It is important to understand how to apply this practice in a sustainable and effective way to make full use of its potential in a world increasingly threatened by water scarcity. The Handbook of Water Harvesting and Conservation: Basic Concepts and Fundamentals is the most comprehensive, up-to-date and applied handbook on water harvesting and conservation yet published. The book's 30 chapters -- written by 84 outstanding international experts from approximately 20 selected countries faced by drought -- explore, critique and develop concepts and systems

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for water harvesting. The editors bring together many perspectives into a synthesis that is both academically based and practical in its potential applications. The Handbook of Water Harvesting and Conservation: Basic Concepts and Fundamentals is an important tool for education, research and technical works in the areas of soil, water and watershed management and is highly useful for drought strategy planning, flood management and developing techniques to adapt to climate change in urban, agricultural, forest and rangeland areas.

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