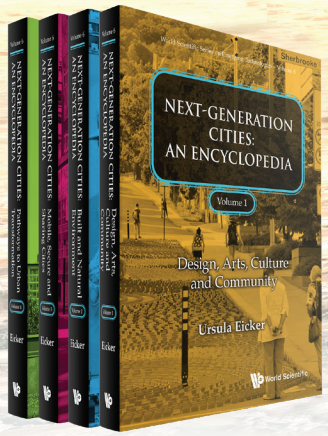
ENVIRONMENTAL SCIENCE 2026

Climate Change ★ Earth / Planetary Sciences ★ Energy ★ Environmental Economics / Policy ★ Environmental Management ★ Sustainability / Green Financing ★ Waste Treatment



World Scientific Series on Emerging Technologies: Avram Bar-Cohen Memorial Series

Next-Generation Cities: An Encyclopedia

(In 4 Volumes)

Volume 1: Design, Arts, Culture and Community

Volume 2: Built and Natural Environment

Volume 3: Mobile, Secure and Sharing Cities

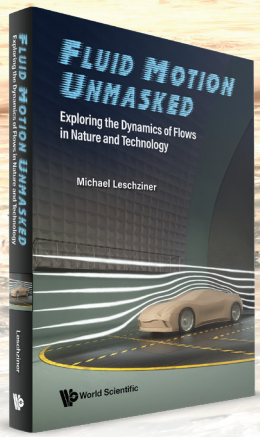
Volume 4: Pathways to Urban Transformation

Editor-in-chief: **Ursula Eicker**
(Concordia University, Canada)

Next-Generation Cities: An Encyclopedia is a curated collection of expert papers and represents the backbone of the work of the Next-Generation Cities Institute at Concordia University in Montré al, Canada. In an interdisciplinary framework, it reflects the collaborative approach necessary to solve complex urban issues. A new model of city building brings together the best practices of many professions and interest groups. The Encyclopedia compiles public and private sector experts, professors, and graduate student contributions in four volumes. It considers the different perspectives, objectives, methodologies, and guidelines for transforming today's cities into inclusive, human-centred, livable, culturally vibrant, resilient and sustainable human settlements.

Readership: Policy-makers, researchers and professionals in urban/town planning, architcture, municipal and state governance, infrastructure, and civil engineering.

1200pp	Oct 2026	
978-981-128-950-7(Set)	US$1088	£1000
978-981-128-944-6(Set)(ebook)	US$2048	£1885



Fluid Motion Unmasked

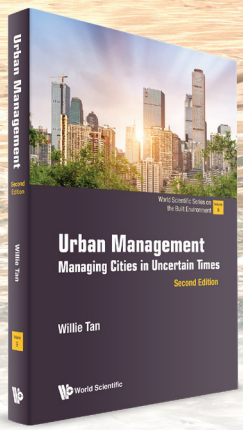
Exploring the Dynamics of Flows in Nature and Technology

by **Michael Leschziner**
(Imperial College London, UK)

This book provides an engaging and descriptive introduction to the expansive world of fluid flows in nature and engineering, exploring their critical role in our lives. The diverse mechanisms behind observable phenomena and the properties of fluid flows are illuminated and linked to engineering applications, providing a solid foundation for a deeper appreciation of fluid dynamics. While the science underpinning these phenomena is inherently mathematical, this book intentionally avoids all but the most easily understood general principles. Instead, it provides a descriptive coverage of the subject without trivialising or infantilising it. The text is richly illustrated with photos, diagrams and sketcwhes, paired with thoughtful explanations of the key features within each figure. Supporting the discussion of these fundamental and overarching mechanisms, numerous real-world examples are showcased, including environmental flows, weather phenomena, physiological flows and engineering applications.

Readership: Undergraduate science and engineering students, particularly in aerospace, mechanical and civil engineering courses. Scientifically curious non-specialists with an interest in engineering and fluid dynamics.

250pp	Aug 2025	
978-1-80061-774-2(pbk)	US$48	£45
978-1-80061-758-2	US$88	£80
978-1-80061-759-9(ebook)	US$141	£130



World Scientific Series on the Built Environment

Urban Management

Managing Cities in Uncertain Times
2nd Edition

by **Willie Tan** *(National University of Singapore)*

In this second edition, the chapters have been reorganized, revised, and expanded to include many case studies. There are new chapters on capital investment programs and asset management. The latter contains many topics on asset management, including strategic asset management, asset-light business models, maintenance principles and technologies, and the use of more recent technologies such as drones, Lidar, and satellite radar systems to monitor asset conditions and respond to emergencies.

Readership: Practitioners and students in the built environment, including mayors, urban managers, urban planners, developers, lenders, insurers, architects, engineers, project managers, and other consultants, contractors, and suppliers.

280pp	Dec 2025	
978-981-9807-11-6(pbk)	US$58	£55
978-981-9805-85-3	US$108	£100
978-981-9805-86-0(ebook)	US$173	£160

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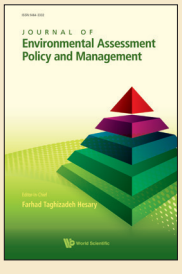
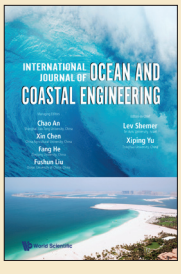
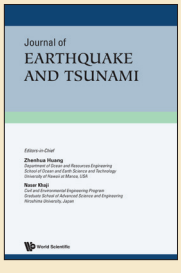
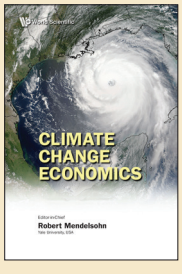
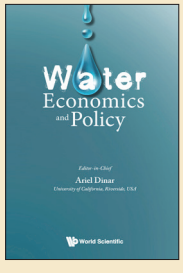
More Journals and Details on page 14 to 16

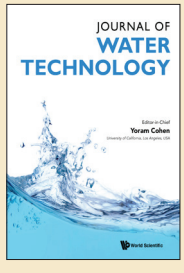


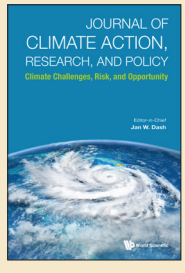












CLIMATE CHANGE

Domain-Specific Bodies of Knowledge in Project Management

Developing a Circular Economy and Reverse Logistics Body of Knowledge for the Construction Industry

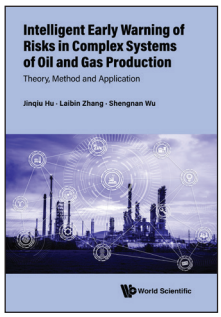
edited by **Nicholas Chileshe** *(University of South Australia, Australia)*

This book brings together, develops, and consolidates important core common knowledge components in construction management, with the aim of developing a knowledge domain specific to the concepts of circular economy (CE) and reverse logistics (RL). It places emphasis on the following knowledge domains: foundation knowledge domain; procedural knowledge domain; and theoretical knowledge domain. This book goes further than others in integrating the two themes of CE and RL in integrating the latest research and developments in both these 'Circular Economy' and 'Reverse Logistics' areas.

Readership: Policy-makers, students, and researchers and practitioners who are interested in construction management.

460pp	**Mar 2026**	
978-981-129-878-3	**US$158**	**£145**
978-981-129-879-0(ebook)	**US$253**	**£230**

Intelligent Early Warning of Risks in Complex Systems of Oil and Gas Production



Theory, Method and Application

by **Jinqiu Hu** *(China University of Petroleum-Beijing, China)*, **Laibin Zhang** *(China University of Petroleum-Beijing, China)* & **Shengnan Wu** *(China University of Petroleum-Beijing, China)*

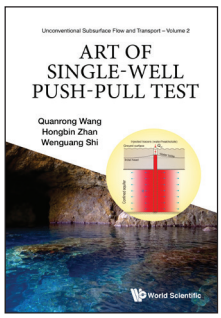
This book is a compilation of over a decade's worth of insights from the authors' research group on dynamic risk assessment and intelligent early warning systems. Highly technical approaches are provided to address the engineering requirements for the safe operation of complex systems in oil and gas production.

Readership: This book is intended for graduate-level students and for researchers in safety and reliability since it involves the recent frontiers in safety and reliability engineering. This book can also benefit highly trained safety engineers in the oil and gas sectors, and even more widely in other industrial sectors since it provides supplementary practical field applications to clarify complex technical topics within each chapter.

400pp	**Jul 2025**	
978-981-9810-12-3	**US$138**	**£125**
978-981-9810-13-0(ebook)	**US$221**	**£205**

Unconventional Subsurface Flow and Transport

Art of Single-Well Push-Pull Test



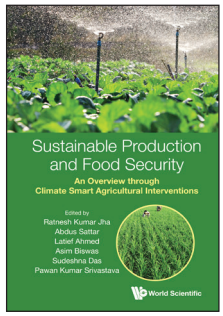
by **Quanrong Wang** *(China University of Geosciences, Wuhan, China)*, **Hongbin Zhan** *(Texas A&M University, USA)* & **Wenguang Shi** *(China University of Geosciences, Wuhan, China)*

Art of Single-Well Push-Pull Test presents the latest achievements of SWPP in the radial dispersion. It provides the latest SWPP models, analytical solutions, numerical solutions and experimental data, and delves into the intricacies of SWPP testing, presenting cutting-edge models, analytical and numerical solutions, and field application.

Readership: Graduate students and upper-level undergraduates studying hydrogeology, geothermal energy, environmental science, and related disciplines, and industry professionals — including hydrogeologists, geothermal engineers, environmental consultants, and energy company personnel.

520pp	**May 2025**	
978-981-129-558-4	**US$168**	**£155**
978-981-129-559-1(ebook)	**US$269**	**£250**

Sustainable Production and Food Security



An Overview through Climate Smart Agricultural Interventions

edited by **Ratnesh Kumar Jha** *(Dr. Rajendra Prasad Central Agricultural University, India)*, **Abdus Sattar** *(Dr. Rajendra Prasad Central Agricultural University, India)*, **Latief Ahmed** *(SKUAST, India)*, **Asim Biswas** *(University of Guelph, Canada)*, **Sudeshna Das** *(Bihar Agricultural University, India)* & **Pawan Kumar Srivastava** *(Dr. Rajendra Prasad Central Agricultural University, India)*

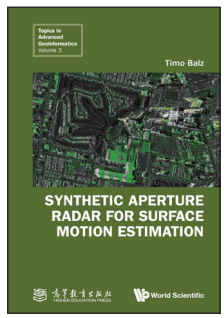
The book has been designed to provide handy reference material on climate change and climate smart agriculture. By categorizing according to the themes and local agricultural scenarios, specific issues pertaining to the climate change problems are extensively discussed and relevant solutions proposed.

Readership: Can be used by academics and researchers in crop climate research and bring in resilience in crop production against climate change.

200pp	**May 2025**	
978-981-129-605-5	**US$98**	**£90**
978-981-129-606-2(ebook)	**US$157**	**£145**

Topics in Advanced Geoinformatics - Vol 3

Synthetic Aperture Radar for Surface Motion Estimation



by **Timo Balz** *(Wuhan University, China)*

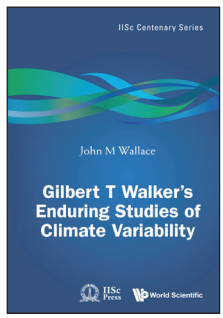
This book delivers a comprehensive introduction to the principles and applications of synthetic aperture radar (SAR) for measuring and monitoring surface motion caused by a wide range of geophysical phenomena, such as earthquakes, volcanoes, urban subsidence, and landslides. Along with covering essential SAR concepts like the radar equation, resolution, and signal processing techniques such as focusing and interferometry, the book provides an in-depth exploration of advanced methodologies, including PSInSAR, STUN, PSP, StaMPS, SBAS, QPS, and SqueeSAR, all critical for tracking long-term surface deformation.

Readership: Researchers, professionals, academics and graduate students in remote sensing, geosciences and engineering.

220pp	**Mar 2025**	
978-981-129-853-0	**US$78**	**£70**
978-981-129-854-7(ebook)	**US$125**	**£115**

IISc Centenary Series - Vol 6

Gilbert T Walker's Enduring Studies of Climate Variability



by **John M Wallace** *(University of Washington, USA)*

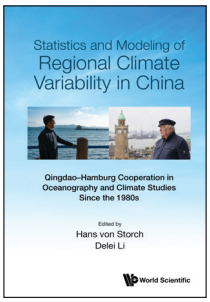
"Professor Mike Wallace, widely regarded as the most influential figure in climate science since Walker, has spent the past six decades collaborating with a vast network of scientists. His unparalleled grasp of the field's collective knowledge makes him uniquely qualified to bring this volume to life."

Chih-Pei Chang
Distinguished Chair Professor,
National Taiwan University

Readership: Historians and practicioners of climate science.

408pp	**Jan 2025**	
978-981-129-479-2	**US$148**	**£135**
978-981-129-480-8(ebook)	**US$237**	**£220**

Statistics and Modeling of Regional Climate Variability in China



Qingdao – Hamburg Cooperation in Oceanography and Climate Studies Since the 1980s

edited by **Hans von Storch** *(Helmholt-Zentrum Hereon, Germany & Ocean University of China, China)* & **Delei Li** *(Institute of Oceanology, Chinese Academy of Sciences, China & Laoshan Laboratory, China)*

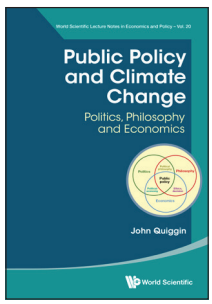
Statistics and Modeling of Regional Climate Variability in China focuses on this productive second phase, and deals with methodologies, reconstructions, and potential future climate changes mainly in the Chinese marginal seas. The book reproduces 12 articles that arose from this shared research and contributed significantly to the existing knowledge base.

Readership: This book is suitable for regional climatologiests and physical oceanographers, as well as postdoctoral and PhD students.

380pp	Nov 2024	
978-1-80061-580-9	US$148	£135
978-1-80061-581-6(ebook)	US$237	£220

World Scientific Lecture Notes in Economics and Policy - Vol 20

Public Policy and Climate Change



Politics, Philosophy and Economics

by **John Quiggin** *(University of Queensland, Australia)*

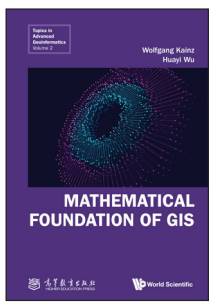
Among the 'wicked problems' facing policymakers and voters today, the threat of catastrophic climate change, also called global heating, is so challenging that it was labelled as 'super-wicked'. The scientific evidence is clear-cut, and most of the technologies needed to stabilize the global climate are well understood. But the policy response has been entirely inadequate.

Readership: Undergraduates studying Politics, Philosophy and Economics (PPE).

184pp	Sep 2024	
978-981-129-061-9(pbk)	US$48	£45
978-981-129-022-0	US$88	£80
978-981-129-023-7(ebook)	US$141	£130

Topics in Advanced Geoinformatics - Vol 2

Mathematical Foundation of GIS



by **Wolfgang Kainz** *(University of Vienna, Austria)* & **Huayi Wu** *(Wuhan University, China)*

This unique compendium introduces essential mathematical knowledge related to GIS, including mathematical logic, geometry, algebra, topology, set theory, graph theory, probability theory and statistics, as well as uncertainty theory.

Readership: Researchers, professionals, academics and graduate students in fuzzy logic, mathematical logic and geology/earth studies.

228pp	Jul 2024	
978-981-129-287-3	US$88	£80
978-981-129-288-0(ebook)	US$141	£130

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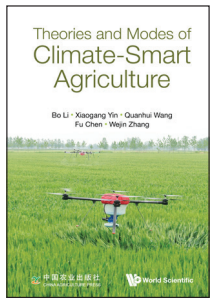
Theories and Modes of Climate-Smart Agriculture



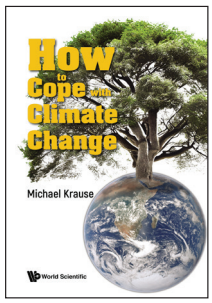
by **Bo Li** *(Ministry of Agriculture and Rural Affairs, China)*, **Xiaogang Yin** *(China Agricultural University, China)*, **Quanhui Wang** *(Ministry of Agriculture and Rural Affairs, China)*, **Fu Chen** *(China Agricultural University, China)* & **Wejin Zhang** *(Chinese Academy of Agricultural Sciences, China)*

This unique compendium describes the development status and trends of international climate-smart agriculture, research methods and development strategies, monitoring, evaluation and extension, typical cases and their implications for the development of climate-smart agriculture in China.

Readership: Researchers, professionals, academics, and graduate students in environmental technology and crop science.

340pp	Apr 2024	
978-981-128-355-0	US$138	£125
978-981-128-356-7(ebook)	US$221	£205

How to Cope with Climate Change



by **Michael Krause**

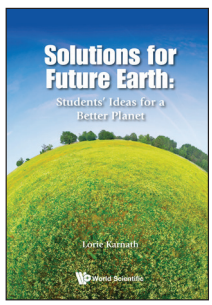
This book also deals with the concept of change. How is a successful change defined? What steps are necessary, and which steps come first? Fortunately, there is good news. Innovation and human ingenuity will produce the tools needed to deal with the climate catastrophe. The only question is whether people will themselves be able to change to a sufficient degree. The whole process of change will take generations, it will have to be a joint effort, and the stakes are incredibly high.

Readership: General public, undergraduate and graduate students interested in climate change, green technologies and societal and behavioral change.

372pp	Feb 2024	
978-981-128-739-8(pbk)	US$38	£35
978-981-128-683-4	US$88	£80
978-981-128-706-0(ebook)	US$141	£130

EARTH / PLANETARY SCIENCES

Solutions for Future Earth



Students' Ideas for a Better Planet

edited by **Lorie Karnath** *(Molecular Frontiers Foundation, Germany)*

This book considers a subject of crucial importance to all, the future of the planet that we live on. As the world's population continues to grow, the ability to sustain and improve the lives of the earth's inhabitants has incurred tremendous costs.

Readership: Environmentalists, Green/Eco Warriors, General Audience, anyone interested in the fate of Planet Earth.

350pp	Mar 2026	
978-981-120-642-9(pbk)	US$38	£35
978-981-3279-17-9	US$88	£80
978-981-120-497-5(ebook)	US$141	£130

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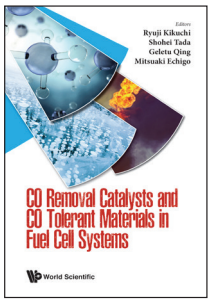


edited by **Ryuji Kikuchi** *(The University of Tokyo, Japan)*, **Shohei Tada** *(Seikei University, Japan)*, **Geletu Qing** *(Michigan State University, USA)* & **Mitsuaki Echigo** *(Osaka Gas Co., Ltd, Japan)*

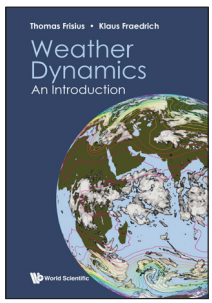
This book analyses the vast existing research on CO and CO² methanation to find key issues to perform CO methanation selectively and demonstrates the process experimentally in an actual reactor scale. It also offers a focus on a new deep CO removal process in polymer electrolyte fuel cells (PEFCs), including selective CO methanation catalysts and reactors, along with conventional CO abatement processes such as water gas shift and preferential oxidation of CO (PROX).

Readership: Catalyst researchers, chemical engineer, and chemist; advanced undergraduates and graduate students interested in hydrogen production and fuel cell.

200pp	**Dec 2026**	
978-1-78634-502-8	**US$98**	**£90**
978-1-78634-503-5(ebook)	**US$157**	**£145**

Weather Dynamics

An Introduction



by **Thomas Frisius** *(Climate Service Center Germany (GERICS), Germany)* & **Klaus Fraedrich** *(Max Planck Institute of Meteorology, Germany)*

This book is intended for students and laypersons interested in understanding weather activity in the atmosphere. Besides basic knowledge of mathematics and physics, no other prerequisites are necessary for comprehending the material.

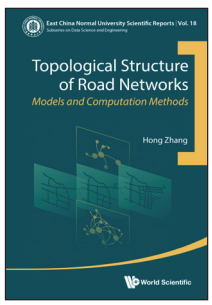
Readership: Undergraduate, graduate students and laypersons with solid basic knowledge in mathematics and physics, researchers in meteorology and oceanography.

568pp	**Dec 2024**	
978-981-127-723-8(pbk)	**US$78**	**£70**
978-981-127-628-6	**US$168**	**£155**
978-981-127-629-3(ebook)	**US$269**	**£245**

East China Normal University Scientific Reports - Vol 18

Topological Structure of Road Networks

Models and Computation Methods



by **Hong Zhang** *(East China Normal University, China)*

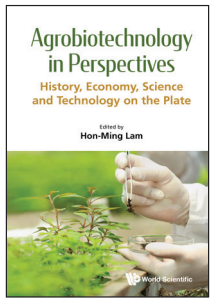
This book presents the state-of-the-art in computational methods for modeling the topological structure of road networks. Each chapter focuses on a specific aspect of this topology and provides models, indicators, and empirical studies of road network structures.

Readership: Academics/researchers, industry/practitioner/clinician, government agencies, public libraries, and university departments.

284pp	**Nov 2024**	
978-981-129-425-9	**US$108**	**£100**
978-981-129-426-6(ebook)	**US$173**	**£160**

Agrobiotechnology in Perspectives

History, Economy, Science and Technology on the Plate



edited by **Hon-Ming Lam** *(The Chinese University of Hong Kong, Hong Kong)*

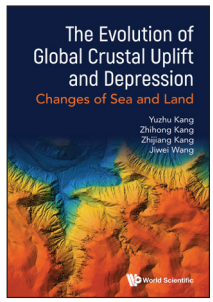
This book provides not only the latest knowledge and technology sharing in the field of agrobiotechnology, but also covers a wider perspective such as legal and industrial perspectives of how agrobiotechnology is/can be applied and the issues concerning agrobiotechnology applications.

Readership: Undergraduates, graduates, researchers in agrobiotechnology and agricultural sciences, and agricultural industry practitioners.

220pp	**May 2024**	
978-981-127-672-9	**US$98**	**£90**
978-981-127-673-6(ebook)	**US$157**	**£145**

The Evolution of Global Crustal Uplift and Depression

Changes of Sea and Land



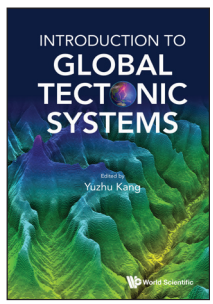
by **Yuzhu Kang** *(Sinopec Petroleum Exploration and Production Research Institute, China)*, **Zhihong Kang** *(China University of Geosciences (Beijing), China)*, **Zhijiang Kang** *(Sinopec Petroleum Exploration and Production Research Institute, China)* & **Jiwei Wang** *(Sinopec Petroleum Exploration and Production Research Institute, China)*

The book further develops the original "geomechanics theory" created by the famous geologist Li Siguang. As a vibrant and highly rigorous work, Prof Li's book offered important theoretical guidance that enriched the global geological community and led to a re-development within geological science. The strong response highlights the significance of geomechanics theory and our theories that build upon it in this book.

Readership: Advanced undergraduate and graduate students, researchers and practitioners in the fields of Earth Sciences.

228pp	**Apr 2024**	
978-981-128-606-3	**US$88**	**£80**
978-981-128-607-0(ebook)	**US$141**	**£130**

Introduction to Global Tectonic Systems



edited by **Yuzhu Kang** *(Sinopec Petroleum Exploration & Production Research Institute, China)*

This book analyzes and studies a large number of geological data in the world by dividing the world into eight types of tectonic systems for the first time. It then puts forward the evolution characteristics of each structural system. It also discusses the main controlling factors of the formation of structural systems, and points out that there was no regional metamorphism in the global Paleozoic and some areas of the meso Neoproterozoic.

Readership: Advanced undergraduate and graduate students, researchers and practitioners in the fields of Earth Sciences.

316pp	**Mar 2024**	
978-981-128-555-4	**US$108**	**£100**
978-981-128-556-1(ebook)	**US$173**	**£160**

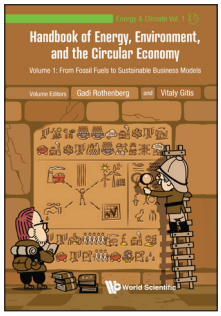
ENERGY

Energy & Climate - Vol 1

Handbook of Energy, Environment, and the Circular Economy

Volume 1: From Fossil Fuels to Sustainable Business Models

edited by **Gadi Rothenberg** *(The University of Amsterdam, The Netherlands)* & **Vitaly Gitis** *(Ben Gurion University of the Negev, Israel)*



The *Handbook of Energy, Environment, and the Circular Economy* covers a range of topics related to sustainable practices in energy production, consumption, and waste management. It explores strategies for integrating renewable energy sources into the economy, reducing greenhouse gas emissions, and promoting sustainable development that is in harmony with the natural environment.

Readership: Senior undergraduate and graduate students, researchers, and practitioners in the fields of renewable energy, chemistry, chemical engineering, and circular economy. This handbook is most suitable for the libraries of universities, technical institutes, and national research labs.

508pp	**Sep 2024**	
978-981-129-302-3	**US$178**	**£165**
978-981-129-303-0(ebook)	**US$285**	**£260**

Sustainable Chemistry Series

Sustainable Batteries

Green Technology in Electrochemical Energy Storage

edited by **Guanjie He** *(University College London, UK)*

This book is a comprehensive exploration of the synergy between green chemistry principles and electrochemical energy storage (EES) technologies and the importance of this relationship. It provides an in-depth analysis of mega-trends in the renewable energy industry and the imperative for advanced EES solutions with a particular focus on sustainable solutions for lithium-ion batteries (LIBs).

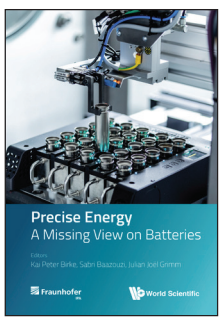
Readership: The book is well suited for reading lists of modules on applied chemistry, energy technology or electrochemistry targeted towards graduate and upper undergraduate students. Combining two very topical areas, it is also suitable for professionals engaged in research and practice in the fields of environmental engineering, physics, materials science, energy storage device technology, and new energy technologies.

200pp	**Mar 2026**	
978-1-80061-609-7	**US$78**	**£70**
978-1-80061-610-3(ebook)	**US$125**	**£115**

Precise Energy

A Missing View on Batteries

edited by **Kai Peter Birke** *(University of Stuttgart, Germany & Fraunhofer Institute for Manufacturing Engineering and Automation, Germany)*, **Sabri Baazouzi** *(Fraunhofer Institute for Manufacturing Engineering and Automation, Germany)* & **Julian Joël Grimm** *(Fraunhofer Institute for Manufacturing Engineering and Automation, Germany)*



Precise Energy is a valuable resource for researchers and students of related fields, engineers and other professionals with corresponding background, and decision and policymakers interested in the evolving landscape of energy storage and its profound impact on our future.

Readership: Researchers, postgraduate and advanced undergraduate students, industry professionals, specialising in battery cell R&D and manufacturing, as well as governments and civil servants who wish to understand the topic.

300pp	**May 2025**	
978-981-128-204-1	**US$108**	**£100**
978-981-128-205-8(ebook)	**US$173**	**£160**

Series on Quality, Reliability and Engineering Statistics

Design for Six Sigma for Engineers

by **Matthew Hu** *(Wayne State University, USA)*, **Kai Yang** *(Wayne State University, USA)*, **Michael Sheh** *(Engineous Software Inc., USA)* & **Malik Kayupov** *(Engineous Software Inc., USA)*

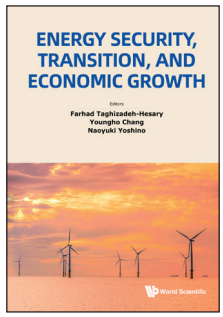
Design for Six Sigma (DFSS) is a systematic approach for manufacturing companies to address product and process issues at the early development stage. Through inventive thought processes, early error elimination, and robust design, DFSS has dramatically impacted product quality and performance and increased profit. In this comprehensive volume, the four-phase IDOV — Identify-Design-Optimize-Verify — DFSS methodology is discussed in detail.

Readership: Graduate students, engineers and industrialists interested in the Design for Six Sigma methodology.

500pp	**Jun 2026**	
978-981-256-063-6	**US$115**	**£105**

Energy Security, Transition, and Economic Growth

edited by **Farhad Taghizadeh-Hesary** *(Tokai University, Japan)*, **Youngho Chang** *(Singapore University of Social Sciences, Singapore)* & **Naoyuki Yoshino** *(Keio University, Japan)*



This book, *Energy Security, Transition, and Economic Growth*, provides a timely and comprehensive analysis of these interconnected issues. It brings together insights from a range of regional- and country-level case studies, offering new perspectives on how different nations are navigating the complex landscape of energy security and transition while maintaining the pace of economic growth.

Readership: Government bodies and policymakers involved in energy planning, environmental policy, and economic development; researchers and scholars in fields such as energy economics, environmental science, sustainable development, and finance; investors, banks, and financial institutions focusing on green finance and sustainable investments; professionals working in the energy sector, including renewable energy developers, power grid operators, and energy consultants; organizations working on energy access, climate change mitigation, and sustainable development.

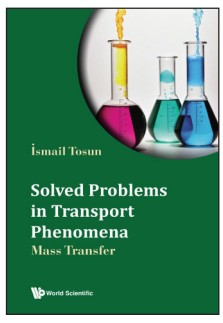
320pp	**Jun 2025**	
978-981-9812-59-2	**US$118**	**£110**
978-981-9812-60-8(ebook)	**US$189**	**£175**

Solved Problems in Transport Phenomena

Mass Transfer

by **Ismail Tosun**

(Middle East Technical University, Turkey)



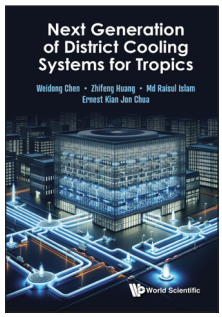
This unique compendium covers mass transfer, explaining clearly the detailed steps of problem-solving, namely formulation, simplification, and mathematical solution. Thus, students are able to grasp the methodology in problem-solving.

Readership: Researchers, professionals, academics and graduate and upper undergraduate students in chemical engineering, environmental engineering, and mechanical engineering.

384pp	**Mar 2025**	
978-981-9800-91-9	**US$138**	**£125**
978-981-9800-92-6(ebook)	**US$221**	**£205**

Sample Chapters
Offers a selection of titles with sample chapters in Adobe PDF

Next Generation of District Cooling Systems for Tropics



by **Weidong Chen** *(National University of Singapore)*, **Zhifeng Huang** *(National University of Singapore)*, **Md Raisul Islam** *(National University of Singapore)* & **Ernest Kian Jon Chua** *(National University of Singapore)*

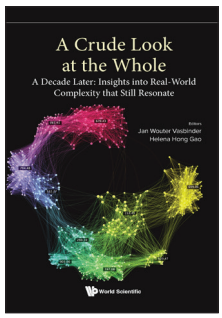
This compendium provides a comprehensive coverage of the latest development of smart district cooling systems in the world today, starting from smart chiller and pumping control and scheduling strategies to recent Artificial intelligence (AI), Machine learning (ML), and blockchain (BC) developments in the field.

Readership: Researchers, professionals, academics and graduate students in mechanical engineering, systems engineering, energy studies and industrial engineering.

236pp	**Jan 2025**	
978-981-128-512-7	**US$88**	**£80**
978-981-128-513-4(ebook)	**US$141**	**£130**

Exploring Complexity - Vol 12

A Crude Look at the Whole



A Decade Later: Insights into Real-World Complexity that Still Resonate

edited by **Jan Wouter Vasbinder** & **Helena Hong Gao**

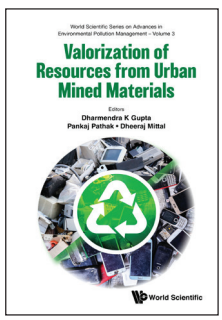
In this book we have tried to capture that whole, while at the same time keeping the individual parts in view. We have done so by transcribing and editing the individual presentations, adding a summary to all of them and indicating the relevance of each of the presentations to ongoing and further explorations.

Readership: Potential readers of the book are expected to be researchers interested in complexity research, graduate students looking for their research directions, university lecturers whose teaching involves introductions of the aspects of interdisciplinary features of scientific exploration, and people that are interested in understanding the complex nature of our globe and the need to address the challenged resulting from that.

616pp	**Jan 2025**	
978-981-9800-00-1(pbk)	**US$95**	**£65**
978-981-9802-12-8	**US$158**	**£145**
978-981-9802-13-5(ebook)	**US$253**	**£230**

World Scientific Series on Advances in Environmental Pollution Management - Vol 3

Valorization of Resources from Urban Mined Materials



edited by **Dharmendra K Gupta** *(Ministry of Environment, Forest and Climate Change, India)*, **Pankaj Pathak** *(SRM University AP, India)* & **Dheeraj Mittal** *(Ministry of Environment, Forest and Climate Change, India)*

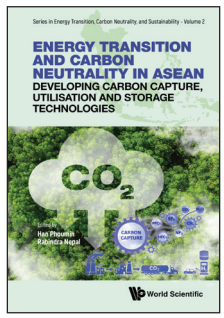
This book highlights the efficient management of waste into resources through the introduction of advanced technology able to convert waste into a secondary resource. It describes different technologies and urban mining tools used to recover materials from different types of waste. It also emphasizes that natural materials are limited though demand for the materials continues to increase, and how that demand can be sustainably fulfilled by secondary resources materials that come from urban mining.

Readership: Researchers, and graduate and advanced undergraduate students specialising in resource recovery and waste valorization, and policy-makers and organizations interested in establishing circular economies.

236pp	**Jan 2025**	
978-981-129-774-8	**US$88**	**£80**
978-981-129-775-5(ebook)	**US$141**	**£130**

Series in Energy Transition, Carbon Neutrality, and Sustainability - Vol 2

Energy Transition and Carbon Neutrality in ASEAN



Developing Carbon Capture, Utilization and Storage Technologies

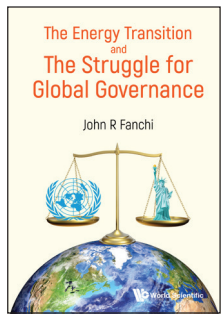
edited by **Phoumin Han** *(Economic Research Institute for ASEAN and East-Asia, Indonesia)* & **Rabindra Nepal** *(University of Wollongong, Australia)*

- Analyses Carbon Capture, Utilization and Storage (CCUS) development and deployment — technology, economics, finance and policy
- Presents CCUS as a technological solution to achieve carbon neutrality
- Documents wide ranging evidences of CCUS development in ASEAN

Readership: Academics, researchers and practitioners interested in energy economics, with particular focus on ASEAN economies.

328pp	**Oct 2024**	
978-981-128-804-3	**US$118**	**£110**
978-981-128-805-0(ebook)	**US$189**	**£175**

The Energy Transition and the Struggle for Global Governance



by **John R Fanchi** *(Texas Christian University, USA)*

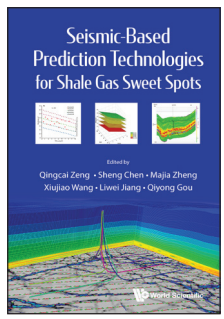
"The questions addressed are: Will a global energy transition be based on the weaponization of the environment? Does this transition imply a change in the relationship of global powers? Does a privileged minority lead efforts to use this energy transition to reduce individual freedoms? Dr Fanchie does a good job of giving both sides of an issue. Highly recommended"

Barrett Hazeltine
Professor of Engineering Emeritus
Brown University

Readership: Professionals, academics, researchers and graduate students in energy studies.

256pp	**Aug 2024**	
978-981-129-019-0	**US$78**	**£70**
978-981-129-020-6(ebook)	**US$125**	**£115**

Seismic-Based Prediction Technologies for Shale Gas Sweet Spots



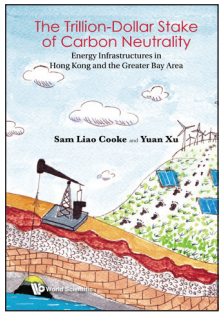
edited by **Qingcai Zeng** *(PetroChina Research Institute of Petroleum Exploration and Development, China)*, **Sheng Chen** *(PetroChina Research Institute of Petroleum Exploration and Development, China)*, **Majia Zheng** *(PetroChina Southwest Oil & Gas Field Company, China)*, **Xiujiao Wang** *(PetroChina Research Institute of Petroleum Exploration and Development, China)*, **Liwei Jiang** *(PetroChina Zhejiang Oilfield Company, China)* & **Qiyong Gou** *(Shale Gas Research Institute of PetroChina Southwest Oil & Gasfield Company, China)*

This book is a useful guide for researchers involved in the technological innovation and production of shale gas exploration and development. It offers a thorough understanding of seismic technologies and their application in shale gas exploration and extraction.

Readership: Researchers engaged in shale gas exploration, development and production practice, as well as students of related majors in colleges and universities.

296pp	**Aug 2024**	
978-981-128-317-8	**US$98**	**£90**
978-981-128-318-5(ebook)	**US$157**	**£145**

The Trillion-Dollar Stake of Carbon Neutrality



Energy Infrastructures in Hong Kong and the Greater Bay Area

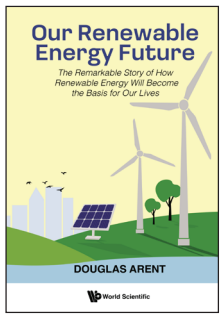
by **Sam Liao Cooke** *(The Chinese University of Hong Kong, Hong Kong)* & **Yuan Xu** *(The Chinese University of Hong Kong, Hong Kong)*

The world has been witnessing an accelerating momentum toward carbon neutrality, with almost all major countries onboard. The stakes are extremely high with over US$100 trillion in investments needed to achieve net zero emissions. This book delves into this intricate multi-trillion-dollar landscape of opportunities and challenges. The detailed, project-level examination in this book will provide direct insights for interested parties to position themselves.

Readership: Governments, policy-makers, businesses, and decision-makers interested in carbon neutrality.

208pp	**Jul 2024**	
978-981-129-030-5	**US$68**	**£65**
978-981-129-031-2(ebook)	**US$109**	**£100**

Our Renewable Energy Future



The Remarkable Story of How Renewable Energy Will Become the Basis for Our Lives

by **Douglas Arent** *(National Renewable Energy Laboratory, USA)*

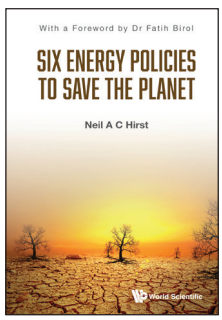
"An invaluable resource to understand that we have the knowledge, tools, and technologies to transform our energy system to realize our climate change goals while assuring security, growth and jobs. It is a must read for all who are serious about leading transformational change for our energy future."

Klaus Schwab
Founder and Executive Chairman of the World Economic Forum

Readership: Academia: undergraduate and graduate students, research staff. Industry: energy sector, vehicles/transportation, oil and gas. NGOs and governments: policy and program leaders, advocates. Consultancies: practitioners, consultants, advisors. Lay readers interested in our collective energy future.

220pp	**Jun 2024**	
978-1-80061-606-6(pbk)	**US$48**	**£45**
978-1-80061-493-2	**US$88**	**£80**
978-1-80061-494-9(ebook)	**US$141**	**£130**

Six Energy Policies to Save the Planet



by **Neil A C Hirst** *(Imperial College London, UK)*

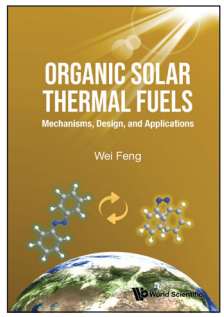
"I warmly recommend Six Energy Policies to policymakers and influencers, as well as students and others with a serious interest in the climate challenge."

Fatih Birol
Executive Director of the International Energy Agency

Readership: Suitable for reading lists for courses on environmental studies at both undergraduate and Masters level. Lay readers with a special interest in energy policy and climate change especially those teaching or working in related areas, including government policy makers, can also benefit from this book.

220pp	**May 2024**	
978-1-80061-503-8(pbk)	**US$32**	**£30**
978-1-80061-499-4	**US$58**	**£55**
978-1-80061-500-7(ebook)	**US$98**	**£90**

Organic Solar Thermal Fuels



Mechanisms, Design, and Applications

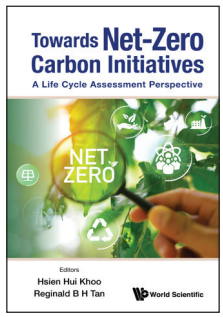
by **Wei Feng** *(Tianjin University, China)*

Organic Solar Thermal Fuels: Mechanisms, Design, and Applications offers a significant introductory overview of the key properties, mechanisms, applications, and research directions in this emerging field of photothermal conversion materials.

Readership: Advanced undergraduate and graduate students, researchers and practitioners in the fields of materials science, chemical science, polymer science, composite materials science, and optical engineering, nanoscientists, environmental scientists, and engineers.

496pp	**May 2024**	
978-981-128-584-4	**US$158**	**£145**
978-981-128-585-1(ebook)	**US$253**	**£230**

Towards Net-Zero Carbon Initiatives



A Life Cycle Assessment Perspective

edited by **Hsien Hui Khoo** *(A*STAR, Singapore)* & **Reginald B H Tan** *(A*STAR, Singapore & National University of Singapore, Singapore)*

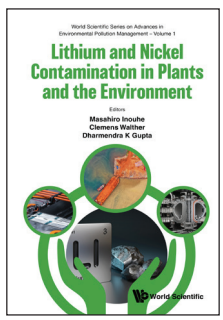
In this book, LCA perspectives is identified an the initiatives for Net Zero Carbon Compilation of case studies in the areas of CCU, low carbon H2, biofuels, circular economy and resource management, etc. from distinguished scientists and Professors worldwide will presented in this book

Readership: Life Cycle Analysis Practitioners, Environmental Researchers/ Scientists, and Professors.

392pp	**Mar 2024**	
978-981-127-620-0	**US$118**	**£110**
978-981-127-566-1(ebook)	**US$189**	**£175**

World Scientific Series on Advances in Environmental Pollution Management - Vol 1

Lithium and Nickel Contamination in Plants and the Environment



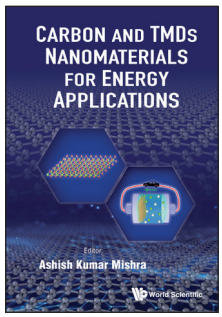
edited by **Masahiro Inouhe** *(Ehime University, Japan)*, **Clemens Walther** *(Gottfried Wilhelm Leibniz University Hannover, Germany)* & **Dharmendra K Gupta** *(Ministry of Environment, Forest and Climate Change, India)*

This book will provide an overview on, and present the state-of the art in lithium and nickel and their remediation processes in a form comprehensible to environmental scientists and researchers.

Readership: Teachers, and advanced undergraduate and graduate students in related fields, especially those specializing in the remediation of heavy metals and metalloids.

312pp	**Mar 2024**	
978-981-128-311-6	**US$128**	**£120**
978-981-128-312-3(ebook)	**US$205**	**£190**

Carbon and TMDs Nanomaterials for Energy Applications



edited by **Ashish Kumar Mishra**
(Indian Institute of Technology, India)

Our book covers the detailed information from material synthesis to energy generation and storage, researched till date.

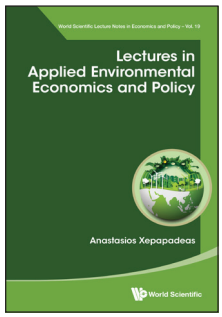
Readership: Advanced undergraduate and graduate students, researchers and practitioners in the fields of material science, energy science and related fields.

312pp	**Feb 2024**	
978-981-128-339-0	**US$108**	**£100**
978-981-128-340-6(ebook)	**US$173**	**£160**

ENVIRONMENTAL ECONOMICS / POLICY

World Scientific Lecture Notes in Economics and Policy - Vol 19

Lectures in Applied Environmental Economics and Policy



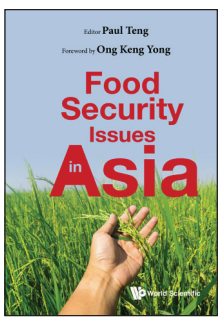
by **Anastasios Xepapadeas** *(University of Bologna, Italy & Athens University of Economics and Business, Greece)*

This book presents a series of lectures on applied environmental economics and policy covering the following issues: environmental cost – benefit analysis; ecosystem services; ecosystems biodiversity and the economy; and sustainability.

Readership: Advanced undergraduate and graduate students, researchers and practitioners in the fields of cost – benefit analysis, ecosystem services, environmental valuation and environmental reporting.

384pp	**May 2024**	
978-981-129-253-8(pbk)	**US$58**	**£55**
978-981-129-207-1	**US$138**	**£125**
978-981-129-208-8(ebook)	**US$221**	**£205**

Food Security Issues in Asia



edited by **Paul Teng** *(Nanyang Technological University, Singapore)*

"Food security is a worldwide problem at this juncture, but represents a special challenge in Asia, especially in city states such as Singapore that depend almost entirely on imports. Poorer nations in the region are also at risk due to rising prices and the scarcity of inputs. Emerging technologies in synthetic biology could be part of the solution. This book frames the problems and addresses the investments needed to drive such technologies. I cannot think of a more important or timely book."

Ronnie Coffman
International Professor Emeritus of Plant Breeding and Genetics, Cornell University, USA

Readership: Academic institutions, research institutions, public policy groups in government, agri-input multinational companies, food companies. All graduate students in food science and technology. All students in agriculture degree or diploma programmes. Agricultural staff in all embassies located in Asia.

816pp	**Mar 2024**	
978-981-127-828-0	**US$198**	**£180**
978-981-127-829-7(ebook)	**US$317**	**£290**

ENVIRONMENTAL MANAGEMENT

Environmental Fluid Mechanics

Ecohydraulics: Fundaments and Applications

Ecological and Environmental Fluid Mechanics

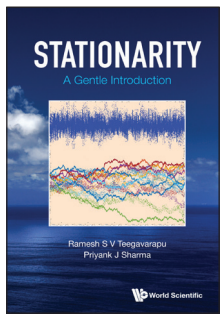
by **Thomas Hardy** *(Texas State University, USA)*

This is the first holistic treatment of multidisciplinary aspect of ecohydraulics that bridges from theory to applications and integrates sampling methodologies, remote sensing, hydraulic modeling, water quality, sediment transport, ecological modeling and interdisciplinary assessment frameworks

Readership: This book is intended for students and professionals in the integrated engineering and ecological disciplines.

400pp	**Apr 2026**	
978-981-3274-98-3	**US$118**	**£110**

Stationarity



A Gentle Introduction

by **Ramesh S V Teegavarapu** *(Florida Atlantic University, USA)* & **Priyank J Sharma** *(Indian Institute of Technology Indore, India)*

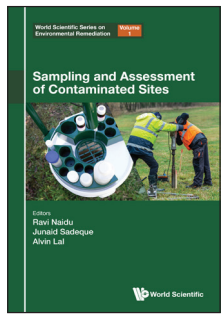
This unique compendium focuses on the use and applications of the state-of-the-art exploratory data analysis and statistical methods to understand the concept of stationarity and assessment based on hydroclimatic data. Stationarity assessment is the key for hydrologic design, particularly in the context of changing climate.

Readership: Researchers, professionals, academics, and graduate students in hydrology, climate change and climatology.

300pp	**Apr 2026**	
978-981-125-540-3	**US$108**	**£100**
978-981-125-541-0(ebook)	**US$173**	**£160**

World Scientific Series on Environmental Remediation - Vol 1

Sampling and Assessment of Contaminated Sites



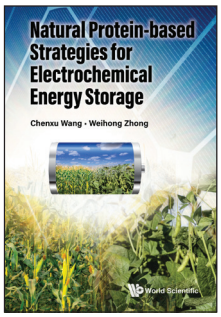
edited by **Ravi Naidu** *(The University of Newcastle, Australia)*, **Junaid Sadeque** *(AECOM, USA)* & **Alvin Lal** *(The University of Newcastle, Australia)*

This volume provides a comprehensive framework for assessing site sediments and contamination, offering essential insights to prevent environmental pollution and sediment-related impacts. Chapters cover key topics such as the sources, types, and management of environmental pollution; site risk assessment strategies for chemical substances and polluted land; risk control and reduction measures, with a focus on legal and regulatory aspects; and scientific tools for monitoring and risk management.

Readership: This book is aimed at researchers, industry practitioners, and policy-makers in the fields of environmental science and regulation. The book is also suitable for graduate students in environmental science and environmental engineering.

350pp	**Sep 2025**	
978-1-80061-783-4	**US$138**	**£125**
978-1-80061-784-1(ebook)	**US$221**	**£205**

Natural Protein-based Strategies for Electrochemical Energy Storage



by **Chenxu Wang** *(Washington State University, USA)* & **Wei-Hong Zhong** *(Washington State University, USA)*

"Despite fruitful research on natural protein-based materials for electrochemical energy systems, there is no book with systematic and profound discussion on the subject, until now. This volume is a valuable and timely addition to current catalogues in biomaterials, energy systems and sustainability, and it is expected to be a delightful and also though-provoking reading for students, educators and researchers from academia and industry."

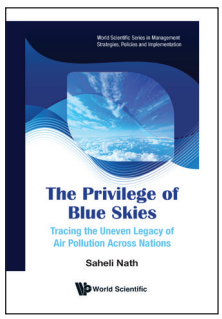
Bin Li
Associate Professor
Wichita State University, USA

Readership: This book is a useful reference for academics, researchers and graduate students working in the field of energy storage, battery science, electrochemistry, natural products, protein engineering, and materials science.

300pp	May 2025	
978-981-128-384-0	US$108	£100
978-981-128-385-7(ebook)	US$173	£160

World Scientific Series in Management Strategies, Policies and Implementation

The Privilege of Blue Skies



Tracing the Uneven Legacy of Air Pollution Across Nations

by **Saheli Nath** *(Univ. of Central Oklahoma, USA)*

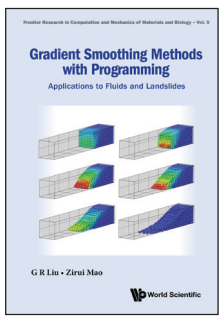
This book provides novel perspectives on emerging trends that are less frequently covered in environmental literature. For instance, its analysis of "green gentrification" and the construction of new "clean" cities offers fresh insights into how environmental improvements can sometimes perpetuate social inequalities

Readership: Primary Readership: Students at an Undergraduate/Graduate level in the fields of environmental science and business; Academic researchers in the fields of environmental science, business management, or any other sustainability-related field; Business leaders and sustainability professionals looking for practical insights on environmentally conscious business practices as well as solutions addressing air pollution. Secondary Readership: Activists/civil society leaders and socially/environmentally conscious individuals looking for insights into legal, technological, and indigenous frameworks for addressing air pollution and ensuring a just energy transition.

200pp	May 2025	
978-981-9810-93-2	US$88	£80
978-981-9810-94-9(ebook)	US$141	£130

Frontier Research in Computation and Mechanics of Materials and Biology - Vol 5

Gradient Smoothing Methods with Programming



Applications to Fluids and Landslides

by **G R Liu** *(University of Cincinnati, USA)* & **Zirui Mao** *(Pacific Northwest National Lab., USA)*

This unique compendium presents the Gradient Smoothing Methods (GSMs), as a general solver for linear and nonlinear PDEs (Partial Differential Equations) with a focus on fluids and flowing solids.

Readership: Researchers, professionals, academics, and graduate students in engineering mechanics, numerical analysis, environmental engineering and earthquake engineering.

288pp	Jan 2024	
978-981-128-000-9	US$98	£90
978-981-128-001-6(ebook)	US$157	£145

SUSTAINABILITY / GREEN FINANCING

World Scientific Series on Environmental, Energy and Climate Economics

Sustainable Growth and Green Policies

Navigating Energy and Environmental Challenges

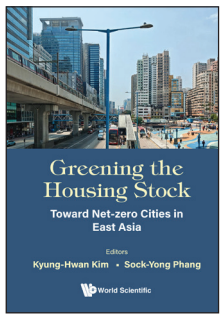
edited by **Farhad Taghizadeh-Hesary** *(Tokai University, Japan)*, **Naoyuki Yoshino** *(Keio University, Japan)*, **Nawazish Mirza** *(Excelia Business School, France)* & **Muhammed Mohsin** *(Jiangsu University, China)*

This book explores the intersection of green finance, energy transition, and sustainable policies, offering innovative solutions to today's environmental and economic crises. The book is structured into two sections: empirical research, innovative frameworks, and policy recommendations.

Readership: Academics, students (undergraduate/graduate) and researchers specialising in environmental economics, energy economics, climate change economics, or finance-related fields, especially those with an interest in sustainable growth, green finance, energy transition, and carbon markets; policymakers, professionals, governmental officials, and investors that are involved with carbon markets, climate and energy policy, energy transitions, as well as renewable energy; researchers, analysts, professionals, and strategists involved in ESG, development banks and organizations, and compliance with carbon and climate policies, in addition to climate-conscious general readers.

180pp	Apr 2025	
978-981-9812-77-6	US$68	£65
978-981-9812-78-3(ebook)	US$109	£100

Greening the Housing Stock



Toward Net-zero Cities in East Asia

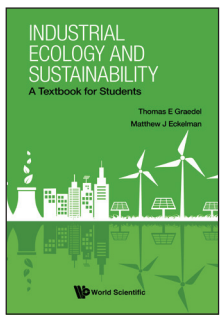
edited by **Kyung-Hwan Kim** *(Korea Housing Finance Corporation, South Korea & Sogang University, South Korea)* & **Sock-Yong Phang** *(Singapore Management University, Singapore)*

This book provides a comprehensive assessment of the current state of greening the housing sector in five East Asian cities, namely, Tokyo, Beijing, Seoul, Hong Kong and Singapore. It is the outcome of research collaboration among five leading housing policy experts in Asia.

Readership: Researchers specializing in urban economics, environmental economics, real estate studies, urban studies and built environment; and industry professionals involved in the real estate industry, building and construction authorities, green building councils, city governments, housing ministries and financial institutions.

240pp	Sep 2025	
978-981-9812-49-3	US$88	£80
978-981-9812-50-9(ebook)	US$141	£130

Industrial Ecology and Sustainability



A Textbook for Students

by **Thomas E Graedel** *(Yale University, USA)* & **Matthew J Eckelman** *(Northeastern University, USA)*

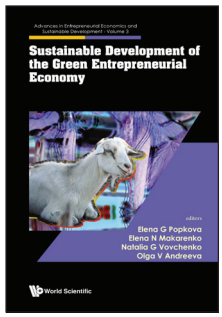
This volume focuses on core topics of industrial ecology and designed as an accessible introduction for students around the world studying sustainability at a time of rapid changes in technology and global change.

Readership: Graduate Students in industrial ecology, industrial engineering; civil engineering and materials science and undergraduate students in environmental studies, sustainable development, and similar fields.

323pp	Apr 2025	
978-981-129-756-4(pbk)	US$58	£55
978-981-129-614-7	US$108	£100
978-981-129-615-4(ebook)	US$173	£160

Advances in Entrepreneurial Economics and Sustainable Development - Vol 3

Sustainable Development of the Green Entrepreneurial Economy



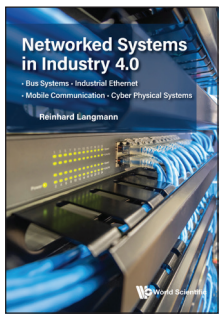
edited by **Elena Popkova** *(RUDN University, Russia)*, **Elena N Makarenko** *(Rostov State University of Economics, Russia)*, **Natalia G Vovchenko** *(Rostov State University of Economics, Russia)* & **Olga V Andreeva** *(Rostov State University of Economics, Russia)*

This book introduces a new category into the scientific turnover: green entrepreneurial economy. It is treated as an economy of environmental transformations of the business environment in support of sustainable development. The key subject of the green entrepreneurial economy is environmentally responsible business, which implements Sustainable Development Goals (SDGs) in its economic practice.

Readership: Scholars (both graduates and undergraduates), academics who study entrepreneurial economy; entrepreneurs and policy makers who support the Sustainable Development Goals; general readers interested in the subject.

600pp	**Jul 2025**	
978-981-129-076-3	**US$168**	**£155**
978-981-129-077-0(ebook)	**US$269**	**£250**

Networked Systems in Industry 4.0



Bus Systems •Industrial Ethernet •Mobile Communication •Cyber Physical Systems

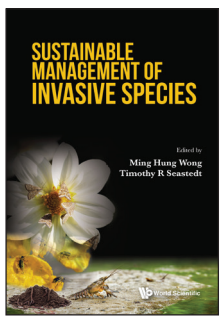
by **Reinhard Langmann** *(EduNet World Association e.V., Germany)*

The basics of networked systems are illustrated using numerous application cases. More than 80 exercises provide the opportunity to test and deepen the knowledge acquired. The solutions to all the exercises, as well as additional supplementary material are also available.

Readership: Graduate and undergraduate students from the fields of mechanical engineering, electrical engineering as well as process and environmental engineering.

440pp	**Mar 2025**	
978-981-129-655-0	**US$148**	**£135**
978-981-129-656-7(ebook)	**US$237**	**£220**

Sustainable Management of Invasive Species



edited by **Ming Hung Wong** *(The Education University of Hong Kong, China)* & **Timothy R Seastedt** *(University of Colorado, USA)*

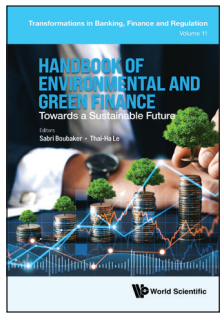
Sustainable Management of Invasive Species provides valuable insights into this area but also pushes assessments of management into a much-needed, realistic framework of ongoing environmental change. Chapters address the importance of governance and emerging technologies for monitoring and assessment, and in particular the need for management to address the full spectrum of local to essentially global issues, requiring international effort and coordination.

Readership: This book is suitable for students at both undergraduate and graduate level for courses in Environmental Management or similar. Is also suitable for researchers, consultants and emerging professionals involved in areas such applied ecology, ecological-engineering, global change biology efforts, and biodiversity and climate change solutions.

528pp	**Jan 2025**	
978-1-80061-583-0	**US$168**	**£155**
978-1-80061-584-7(ebook)	**US$269**	**£250**

Transformations in Banking, Finance and Regulation - Vol 11

Handbook of Environmental and Green Finance



Toward a Sustainable Future

edited by **Sabri Boubaker** *(EM Normandie Business School, France)* & **Thai-Ha Le** *(VinFuture Foundation, Vietnam)*

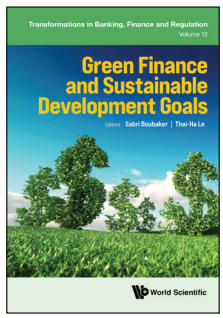
Handbook of Environmental and Green Finance contains conceptual, empirical, and policy papers that provide an insightful and timely read for researchers, investors, and policymakers interested in sustainable finance, development finance, and alternative finance to combat climate change. Throughout this book, readers are offered a global analysis of the current state of the sustainable finance sector and provided with potential solutions to address obstacles in this field.

Readership: Academic libraries, students (undergraduate, graduate, and post-graduate), and practitioners and policymakers (financial analysts, financial institutions, rating agencies, lawyers, regulators, international organizations, etc.).

468pp	**Apr 2024**	
978-1-80061-444-4	**US$158**	**£145**
978-1-80061-445-1(ebook)	**US$253**	**£235**

Transformations in Banking, Finance and Regulation - Vol 12

Green Finance and Sustainable Development Goals



edited by **Sabri Boubaker** *(EM Normandie Business School, France)* & **Thai-Ha Le** *(VinFuture Foundation, Vietnam)*

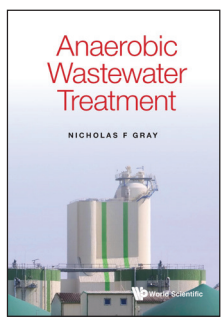
Green Finance and Sustainable Development Goals explores how, by aligning financial investments with sustainable development objectives, green finance can contribute to the achievement of the United Nations'sustainable Development Goals (SDGs).

Readership: Academic libraries, students (undergraduate, graduate, and post-graduate), and practitioners and policymakers (financial analysts, financial institutions, rating agencies, lawyers, regulators, international organizations, etc.). With conceptual chapters and case studies, this book can be used for class teaching.

464pp	**Apr 2024**	
978-1-80061-447-5	**US$158**	**£145**
978-1-80061-448-2(ebook)	**US$253**	**£230**

WASTE TREATMENT

Anaerobic Wastewater Treatment



by **Nicholas F Gray**
(Trinity College, University of Dublin, Ireland)

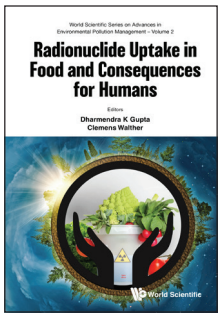
This book introduces the reader to the exciting range of modern anaerobic processes that are now available for wastewater treatment. To meet the new challenges of population growth, global warming, and the existing problems of protecting biodiversity and public health, we must move away from existing energy-intensive aerobic treatment processes to more sustainable systems.

Readership: Environmental engineers and scientists at all levels who wish to find out more about anaerobic wastewater treatment processes, how they work and are operated. The book is a good reference for undergraduate and postgraduate students, wastewater engineers, scientists and consultants.

280pp	**May 2025**	
978-1-80061-721-6	**US$98**	**£90**
978-1-80061-722-3(ebook)	**US$157**	**£145**

World Scientific Series on Advances in Environmental Pollution Management - Vol 2

Radionuclide Uptake in Food and Consequences for Humans



edited by **Dharmendra K Gupta** *(Ministry of Environment, Forest and Climate Change, India)* & **Clemens Walther** *(Leibniz University Hannover, Germany)*

This book provides a comprehensive review on how radionuclides occur in the environment; how radionuclides are distributed in soil; how the migration of radionuclides in plants occurs; and their consequences on human health.

Readership: Researchers from both academics and industry in the field of radionuclide contamination in foods, and graduate and undergraduate students specialization in radioactive waste disposal and its toxicity effects in food products and humans.

404pp	**Jan 2025**	
978-981-129-750-2	**US$148**	**£135**
978-981-129-751-9(ebook)	**US$237**	**£220**

GENERAL

Navigating in a Pathogenic World

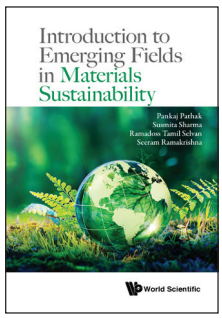
edited by **Lorie Karnath** *(SAB Molecular Frontiers Foundation, Germany)*

The book considers the challenges of navigating in a pathogenic world. It includes articles and reviews from top scientists from around the world who weigh in with their perspectives on the global pandemic, comparing this to other disease outbreaks and modes of treatment.

Readership: Researchers in the field of molecular biology/genetics/nanoscience/ cosmology/neuroscience/structural biology/biological, organic and water chemistry; climatologists; general public interested in the transformative areas of science.

320pp	**Jun 2026**	
978-981-124-306-6	**US$118**	**£110**
978-981-124-307-3(ebook)	**US$189**	**£175**

Introduction to Emerging Fields in Materials Sustainability



by **Pankaj Pathak** *(SRM University Andhra Pradesh, India)*, **Susmita Sharma** *(National Institute of Technology Meghalaya, India)*, **Ramadoss Tamil Selvan** *(National University of Singapore, Singapore)* & **Seeram Ramakrishna** *(National University of Singapore, Singapore)*

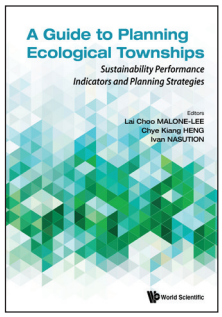
"This excellent new book covers important concepts of sustainability focusing on materials and their waste streams. The impressive team of authors use their insight to explore water management, food, waste management, plastics, electronics, and construction sectors, complementing this with a general introduction to the basic concepts of sustainability and the role of different materials."

Paul Hogg
Professor, Royal Holloway University of London, UK

Readership: Undergraduate and graduate students enrolled in Environmental Science/Chemistry/Economics/Engineering, Material Science, Engineering and Business School. Emerging entrepreneurs, academics/researchers, industry professionals, and companies working on sustainable development and/or waste management will also be interested.

200pp	**Feb 2026**	
978-981-124-764-4	**US$78**	**£70**
978-981-124-765-1(ebook)	**US$125**	**£115**

A Guide to Planning Ecological Townships



Sustainability Performance Indicators and Planning Strategies

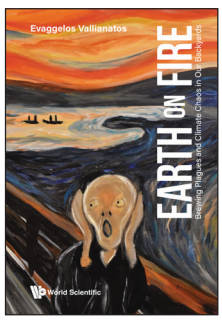
edited by **Lai Choo Malone-Lee**, **Chye Kiang Heng** & **Ivan Nasution** *(National University of Singapore, Singapore)*

The indicator framework demonstrates the contemporary sustainability considerations that have been embraced by the case studies. They illustrates elements of compact development, social diversity, resource efficiency, economic sufficiency and climate resilience. Planners, designers, developers and their consultants can use the indicator framework to guide project implementation and performance assessment. The methodological structuring of planning parameters lays the foundation for an evolved paradigm in ecological township planning, and a sharpened way of defining the future of human settlements.

Readership: Practising planners, architects, design consultants, developers and policy makers in the fields of urban planning, township design, project administration and sustainability management, as well as academics, researchers and students would find this book useful.

250pp	**Nov 2025**	
978-981-4733-53-3	**US$82**	**£75**
978-981-4733-54-0(ebook)	**US$131**	**£120**

Earth on Fire



Brewing Plagues and Climate Chaos in Our Backyards

by **Evaggelos Vallianatos**

Earth on Fire reveals and explains the cosmic tragedy of brewing pandemics and climate chaos in our backyards. Drawing from the author's Greek and American experience, the work presents how agriculture and civilization are vastly intertwined.

Readership: Readers concerned about biodiversity, animal farms, pollution, violence against farm animals, animal welfare, farming, ecology, food safety, and climate change; and undergraduate and graduate students in courses pertaining to environmental protection, politics, ethics, history of science, and climate change.

200pp	**Apr 2026**	
978-981-9801-51-0(pbk)	**US$38**	**£35**
978-981-9800-94-0	**US$88**	**£80**
978-981-9800-95-7(ebook)	**US$141**	**£130**

Series on Chemistry, Energy and the Environment - Vol 17

Towards Multiple Applications of Porphyrinoids

The Colored Molecules of Life

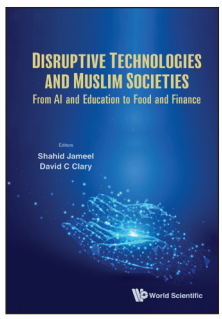
edited by **Karl M Kadish** *(University of Houston, USA)* & **Roger Guilard** *(Université de Bourgogne, France)*

This book was written with the main purpose of describing the many real and potential applications of porphyrinoids, the two most important of which are those which can be used in industrial processes and those brought to the market for medical use.

Readership: Graduate students and professionals interested in biological chemistry, environmental/atmospheric chemistry, catalyst chemistry, energy studies/research, and materials chemistry/nanochemistry.

360pp	**Aug 2025**	
978-981-98-1343-8	**US$138**	**£125**
978-981-98-1344-5 (ebook)	**US$221**	**£205**

Disruptive Technologies and Muslim Societies



From AI and Education to Food and Fintech

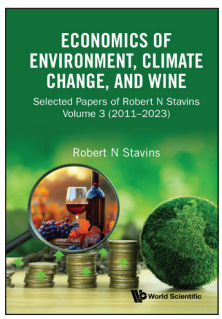
edited by **Shahid Jameel** *(Oxford Centre for Islamic Studies, UK)* & **David C Clary** *(Oxford Centre for Islamic Studies, UK)*

This edited volume brings together leading experts to explore the impact of disruptive technologies across a spectrum of Islamic countries and Muslim societies. Spanning artificial intelligence, science and technology, health and education, food systems, and fintech, the seventeen chapters of this collection offer a diverse array of perspectives.

Readership: This book is suitable for those in academia and business, either based in or researching the modern Islamic World. It is also suitable for those in industry, particularly in AI, energy, fintech, and food science.

300pp	**Mar 2025**	
978-1-80061-628-8	**US$118**	**£110**
978-1-80061-629-5(ebook)	**US$189**	**£175**

Economics of Environment, Climate Change, and Wine



Selected Papers of Robert N Stavins, Volume 3 (2011 – 2023)

by **Robert N Stavins** *(Harvard University, USA)*

The book begins with an introductory essay where Stavins reflects on the professional path leading to his research and writing, identifying common themes that emerged from his research. This book discusses environmental policy in detail, unpacking policy instruments and scrutinizing both domestic and international policy.

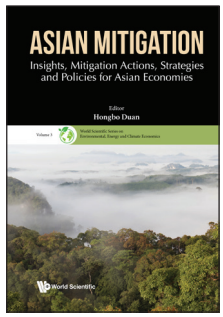
Readership: Undergraduate and graduate students in the field of environmental and climate change economics. Academic economists. Practitioners of environmental economics.

572pp	**Apr 2025**	
978-981-129-240-8	**US$168**	**£155**
978-981-129-241-5(ebook)	**US$269**	**£250**

Textbook:
Request Inspection Copy at
sales@wspc.com
or scan the QR code

World Scientific Series on Environmental, Energy and Climate Economics - Vol 3

Asian Mitigation



Insights, Mitigation Actions, Strategies and Policies for Asian Economies

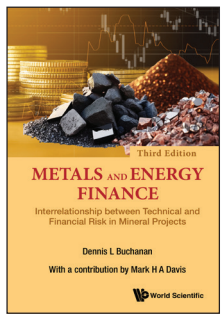
edited by **Hongbo Duan** *(University of Chinese Academy of Sciences, China)*

This book contains a series of essays that explore how Asian territories are contributing to substantial emission reductions by presenting in-depth insights and fresh perspectives on optimal mitigation actions, strategies, and policies in Asian economies. This book covers how Asian economies contribute to the achievement of global targets set by the Paris Agreement, which is a relatively underexplored topic

Readership: Graduate students and researchers in the fields of climate science, climate economics, and macroeconomics, Asia studies, China studies, Developmental economics, or other fields related to climate and environmental economics in the context of China and Asian economies; analysts and policymakers in governmental organisations or think-tanks involved with climate policy, decarbonisation or emission trading schemes, or any economic policy relating to meeting the Paris Agreement goals.

200pp	**Apr 2025**	
978-981-9812-25-7	**US$78**	**£70**
978-981-9812-26-4(ebook)	**US$125**	**£115**

Metals and Energy Finance



Interrelationship between Technical and Financial Risk in Mineral Projects (3rd Edition)

by **Dennis L Buchanan** *(Imperial College London, UK)*

Contributions by: **Mark H A Davis**

Reviews of the Second Edition:

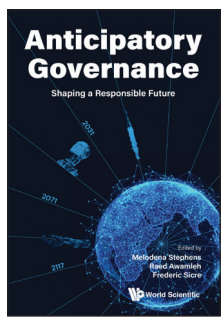
"Dennis Buchanan's text clearly shows how an understanding of the complementary disciplines of geoscience, conventional engineering and advanced financial engineering is essential to making the right decisions concerning how to appraise a resource or project and how to structure the funding of natural resources assets in order to mitigate technical and financial risk and to maximise value for owners.."

Christopher Worcester in **Mineral Economics**

Readership: This book is intended for professionals and graduate students in the fields of mineral and petroleum economics and business management. The book will also be of interest to professionals in the fields of international development and government, financial services and commodity trading.

376pp	**Feb 2025**	
978-1-80061-662-2(pbk)	**US$68**	**£65**
978-1-80061-652-3	**US$138**	**£125**
978-1-80061-653-0(ebook)	**US$221**	**£205**

Anticipatory Governance



Shaping a Responsible Future

edited by **Melodena Stephens** *(Mohammed Bin Rashid School of Government, UAE)*, **Raed Awamleh** *(École des Ponts Business School, France)* & **Frederic Sicre** *(Tardis Advisors, UAE)*

"This book of curated chapters is a great starting point to understand skills and practices required for a public sector to embark on that journey. We must review the past, acknowledge the present and move forward shaping a better world for the benefit of all."

José María Figueres Olsen
President of Costa Rica: 1994 – 1998

Readership: Policy advisors, researchers, practitioners and graduate students, in the fields of public administration, public management, public policy, change management, strategic transformation, and governance.

424pp	**Jan 2025**	
978-981-129-599-7	**US$148**	**£135**
978-981-129-600-0(ebook)	**US$237**	**£220**

World Scientific Handbook of Transboundary Water Management

Science, Economics, Policy and Politics
(In 4 Volumes)
Volume 1: Cooperating Over Shared Freshwater Resources Using International Law
Volume 2: Tapping Technologies: The Role of Technological Change in Transboundary Water Management
Volume 3: The Role of Formal and Informal Institutions in Managing Transboundary Basins
Volume 4: Transboundary Water Management Across Scales: Understanding the Domestic-International Interplay

edited by **Gabriel Eckstein** *(Texas A& M University, USA)*, **David Katz** *(University of Haifa, Israel)*, **Neda A Zawahri** *(Cleveland State University, USA)* & **Jeroen Warner** *(Wageningen University and Research, The Netherlands)*

Editor-in-chief: **Shlomi Dinar** *(Florida International University, USA)*

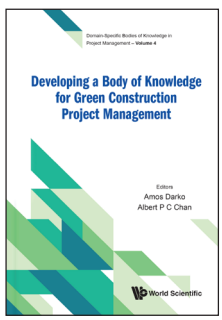
This multi-volume set seeks to contribute to this still burgeoning body of literature by focusing on several key themes that can help explain and recognize successes and failures in transboundary freshwater management. In particular, the set seeks to bring together original scholarship focusing on international law, technology, institutions (formal and informal), and the interplay of domestic and international affairs. Each edited volume in the set aims to build on extant research while also fostering new paths of inquiry.

Readership: The work is aimed primarily at academics, scholars, and practitioners of environmental economics, international relations, and international water law; it provides a useful reference for research, learning, policy, planning, development, and management of water resources, water law, and water policies. Professionals in public policy and administration, particularly those with an interest in international water law, water management, climate change, climate change mitigation, and fostering cooperation between states over their shared transboundary water resources. General reader interested in the subject.

1284pp	**Mar 2025**	
978-981-129-985-8(Set)	**US$950**	**£875**
978-981-129-986-5(Set)(ebook)	**US$1792**	**£1650**

Domain-Specific Bodies of Knowledge in Project Management - Vol 4

Developing a Body of Knowledge for Green Construction Project Management



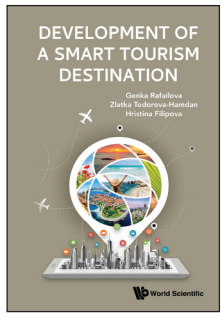
edited by **Amos Darko** *(University of Washington, USA)* & **Albert P C Chan** *(The Hong Kong Polytechnic University, Hong Kong)*

Growing global imperatives to address sustainability concerns have boosted the importance and prominence of green construction projects worldwide. However, project managers may lack the specialist knowledge and/or technical skills to overcome the unique challenges to successfully deliver suitably sustainable green projects. This book aims to address this shortfall by unearthing, refining and synergising the hitherto scattered gems of experiential and theoretical knowledge, into a unified Body of Knowledge for green construction project management.

Readership: Project managers, construction professionals, teachers and students who seek to develop core green construction project management knowledge and skills; non-construction professionals moving into green construction project management; researchers looking to develop and enhance theories and propositions driving the success of green construction project management.

676pp	**Oct 2024**	
978-981-125-141-2	**US$188**	**£175**
978-981-125-142-9(ebook)	**US$301**	**£275**

Development of a Smart Tourism Destination



by **Genka Rafailova**, **Zlatka Todorova-Hamdan** & **Hristina Filipova** *(University of Economics – Varna, Bulgaria)*

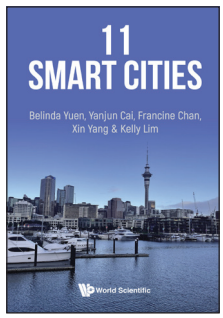
"This book provides a detailed theoretical review and analysis of the concept of 'intelligent tourism' from the point of view of urban and tourism destination management. It contributes to the development of new and more sustainable solutions for tourism, promoting a cultural transformation of the entire tourism ecosystem."

Anna Trono
Associate Professor, University of Salento, Italy

Readership: Universities and colleges with courses in tourism, urban planning, and sustainable development; local governments; city libraries; agencies and organizations involved in tourism destination development, city branding and development, etc.

220pp	**Jan 2025**	
978-981-129-608-6	**US$88**	**£80**
978-981-129-609-3(ebook)	**US$141**	**£130**

11 Smart Cities



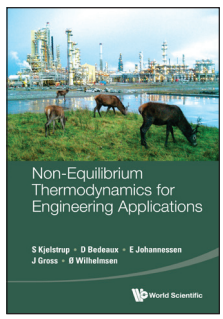
by **Belinda Yuen**, **Yanjun Cai**, **Francine Chan**, **Xin Yang** & **Kelly Lim** *(Singapore University of Technology and Design (SUTD), Singapore)*

- This book goes beyond the "what" of smart city development to also address the crucial "why" and "how" of such development, using mixed methods including interviews and case examples. It demystifies the complexities of sustainability transitions using a socio-technical systems approach, emphasising the interplay of people, organisations, and technologies in achieving smart city goals

Readership: Researchers, academics and students studying or teaching planning and development of smart cities; government officials, policymakers in the fields of public administration, science and technology studies, urban planning and development well as those working on implementing smart city development.

320pp	**Dec 2024**	
978-981-129-573-7	**US$118**	**£110**
978-981-129-574-4(ebook)	**US$189**	**£175**

Non-Equilibrium Thermodynamics for Engineering Applications



by **S Kjelstrup** *(Norwegian University of Science and Technology, Norway)*, **D Bedeaux** *(Norwegian University of Science and Technology, Norway)*, **E Johannessen** *(Equinor, Norway)*, **J Gross** *(University of Stuttgart, Germany)* & **Ø Wilhelmsen** *(Norwegian University of Sci. &Technology, Norway)*

This book is essential for those seeking to learn the foundational principles of non-equilibrium thermodynamics theory and its applications in optimizing chemical processes. The text builds upon the authors' extensive expertise in this area, accrued through years of teaching at graduate and postgraduate levels and advancing the field of non-equilibrium thermodynamics at their respective academic institutions. This expertise is evident in the writing style, effectively making the concepts engaging and accessible"

Professor Fernando Bresme
Imperial College London

Readership: Undergraduate and graduate students reading university courses containing thermodynamics or energy conversion issues, chemical and mechanical engineering, applied chemistry, and applied physics.

356pp	**Aug 2024**	
978-981-129-458-7	**US$118**	**£110**
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Journal of Environmental Assessment Policy and Management (JEAPM)

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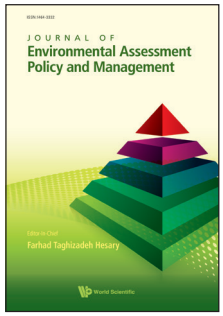


Indexed in Scopus | Check out the FREE articles online! | 11 SUSTAINABLE CITIES AND COMMUNITIES

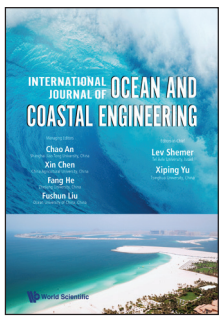
Editor-in-Chief: Farhad Taghizadeh Hesary *(Tokai University, Japan)*

An interdisciplinary, peer reviewed, international journal covering policy and decision-making relating to environmental assessment (EA) in the broadest sense. Uniquely, its specific aim is to explore the horizontal interactions between assessment and aspects of environmental management and decision-making, as well as the vertical interactions within the broad field of impact assessment. Ultimately, the journal aims at identifying comprehensive approaches to environmental improvement involving both qualitative and quantitative information. As the concepts associated with sustainable development mature, links between environmental assessment and management systems become all the more essential. The focus of the journal is on policy, procedures and law covering project and policy formulation, development and implementation, public participation and the institutional basis for EA. The journal aims to provide a forum for imaginative and creative thinking around the theoretical and empirical foundations of environmental assessment and management.

Abstracting/Indexing: Academic OneFile | Baidu | Business Source Complete | Biological Abstracts | BIOSIS Previews | Biomedical Reference Collection | CAB Abstracts | CNKI | CnpLINKer | Crossref | CSA Human Population and the Environment Abstracts | CSA Pollution Abstracts | CSA Selected Water Resources Abstracts | CSA Toxicology Abstracts | Dimensions | Ebsco Discovery Service | EBSCO Electronic Journal Service (EJS) | Environmental Abstracts (CSA) | Environment Index | Environmental Studies And Policy Collection | ExLibris Primo Central | Geobase | Google Scholar | GreenFILE | GREENR - Global Reference on the Environment, Energy, and Natural Resources | International Bibliography of the Social Sciences (IBSS) | J-Gate | Naver | NSTL - National Science and Technology Libraries | OCLC WorldCat® | Public Affairs Index (Ebsco) | RePErC | Scopus | The Summon® Service | WanFang Data.

International Journal of Ocean and Coastal Engineering (IJOCE)

https://www.worldscientific.com/ijoce



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Advisor:
Philip L.-F. Liu *(Cornell University, USA)*

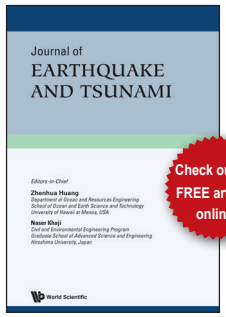
Editors-in-Chief:
Lev Shemer *(Tel Aviv University, Israel)*
Xiping Yu *(Tsinghua University, China)*

The scope of this journal encompasses experimental, computational, and theoretical aspects of ocean and coastal engineering, as well as closely-related subjects and meaningful applications, whose composition will evolve continuously to respond to emerging new areas and directions in modern science, engineering and technology.

Abstracting/Indexing: Baidu | CNKI Scholar | CnpLINKer | CrossRef | Ebsco Discovery Service | EBSCO Electronic Journal Service (EJS) | ExLibris Primo Central | Google Scholar | J-Gate | Naver | NSTL - National Science and Technology Libraries | OCLC WorldCat® | Oceanic Abstracts (ProQuest) | ProQuest Civil Engineering Abstracts | ProQuest Environmental Science Index | ProQuest Natural Science Collection (Earth, Atmospheric & Aquatic Science Database) | ProQuest Technology Collection (Engineering Database) | The Summon® Service | WanFang Data.

Journal of Earthquake and Tsunami (JET)

https://www.worldscientific.com/jet



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Naser Khaji
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11 SUSTAINABLE CITIES AND COMMUNITIES

This journal provides a common forum for scientists and engineers working in the areas of earthquakes and tsunamis to communicate and interact with one another and thereby enhance the opportunities for such cross-fertilization of ideas. The Journal publishes original papers pertaining to state-of-the-art research and development in Geological and Seismological Setting; Ground Motion, Site and Building Response; Tsunami Generation, Propagation, Damage and Mitigation, as well as Education and Risk Management following an earthquake or a tsunami.

Abstracting/Indexing: Academic OneFile | Baidu | CNKI Scholar | CnpLINKer | CrossRef | Ebsco Discovery Service | EBSCO Electronic Journal Service (EJS) | ExLibris Primo Central | Geobase | Google Scholar | Environmental Studies And Policy Collection | J-Gate | Journal Citation Reports/Science Edition | Naver | National Science and Technology Libraries (NSTL) | OCLC WorldCat® | ProQuest Environmental Science Index | ProQuest Meteorological & Geoastrophysical Abstracts |ProQuest Technology Collection (Engineering Database) | Science Citation Index Expanded | Scopus | The Summon® Service.

International Journal of Big Data Mining for Global Warming (IJBDMGW)

https://www.worldscientific.com/ijbdmgw

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Editors-in-Chief
Donald Huisingh *(University of Tennessee, Knoxville, USA)*

Zhihua Zhang *(Beijing Normal University, China)*

Present and future global warming research must be increasingly based on big datasets at terabyte and exabyte scales from diverse sources (e.g. climate, ocean, economy, energy, ecosystem dynamics, industry, agriculture, environment, public's attitude/knowledge surveys). The "**International Journal of Big Data Mining for Global Warming**" is an inter-disciplinary journal dedicated to the publication of high-quality research articles, review articles, letters, case studies and book reviews in all aspects of global warming through traditional mining methods (statistical, spectral, numerical, simulating, LCA, 3E, etc.) and non-traditional mining methods (neural networks, deep learning, cloud computing, etc.) of these big datasets.

Topics to be covered: • Monitoring, diagnosis, and predictions of global warming trends and their impacts • Applications of artificial neural networks and deep learning in weather, climate and disaster predictions • Data-driven ecological/environmental impact assessments within the context of global warming impacts & others.

Abstracting/Indexing: Baidu | CNKI | CnpLINKer | CrossRef | Dimensions | Ebsco Discovery Service | EBSCO Electronic Journal Service (EJS) | ExLibris Primo Central | Google Scholar | J-Gate | Naver | NSTL - National Science and Technology Libraries | OCLC WorldCat® | The Summon® Service.

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Climate Change Economics (CCE)

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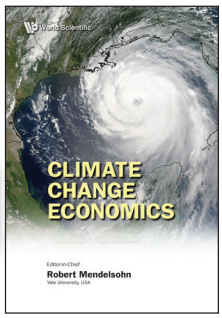

Indexed in Scopus | Indexed in WEB OF SCIENCE | 13 CLIMATE ACTION

Impact factor 2.4 in the year 2024

Editor-in-Chief

Robert Mendelsohn
(Yale University, USA)

Climate Change Economics (CCE) publishes theoretical and empirical papers devoted to analyses of mitigation, adaptation, impacts, and other issues related to the policy and management of greenhouse gases. CCE is specifically devoted to papers in economics although it is understood that authors may need to rely on other fields for important in-sights. The journal is interested in papers examining the issue at every scale from local to global and papers from around the world are encouraged. CCE is also interested in both original research and review papers and welcomes comments discussing previous articles.

Abstracting/Indexing: ABDC Journal Quality List by Australian Business Deans Council | Academic OneFile | Academic Journal Guide by Chartered Association of Business Schools | Baidu | CAB Abstracts | CNKI Scholar | CnpLINKer | CrossRef | Current Contents® Social and Be-havioral Sciences | Dimensions | Ebsco Discovery Service | EBSCO Electronic Jour-nal Service (EJS) | EconLit | Environmental Index (EBSCO) | Environmental Studies And Policy Collection (Gale) | ExLibris Primo Central | FMS Journal Rating Guide (Federation of Management Societies of China) | Google Scholar | GREENR - Global Reference on the Environment, Energy, and Natural Resources | J-Gate | Journal Ci-tation Reports/Social Sciences Edition | Naver | NSTL - National Science and Techno-logy Libraries | OCLC WorldCat® | ProQuest Natural Science Collection (Agricultural & Environment Science Database) | REAXYS Medicinal Chemistry (selected articles) | RePEC(Research Papers in Economics) | Social Sciences Citation Index | Scopus | The Summon® Service.

Water Economics and Policy (WEP)

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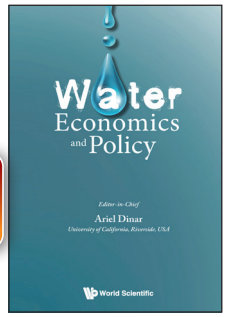

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Editor-in-Chief

Ariel Dinar
(University of California, USA)

Water resources management and other water-related decisions and policies are frequently guided by economic dimensions. Economic considerations, including efficiency, equity, production, allocation, and pollution, have expanded as water resources have become scarcer both in terms of quantity and quality. While economic analyses applied to the water sector are useful and educational, their policy implications are less obvious for guiding policymakers. Water Economics and Policy (WEP) will address the economic-policy interaction by publishing highly technical water economics rese-arch with clear relevance for policy. WEP will aim to target a wide range of economic questions at local, regional, national and international levels. It will accommodate work that is focused on specific sectors (such as urban, hydropower, irrigation, and environment) as well as work that is inter-sectoral in nature.

Abstracting/Indexing: Academic OneFile | Baidu | CNKI Scholar | CnpLINKer | CrossRef | Current Contents/Agriculture, Biology & Environmental Sciences | Current Contents/Social and Behavioral Sciences |Dimensions | Ebsco Discovery Service | EBSCO Electronic Journal Service (EJS) | Emerging Sources Citation Index (ESCI) | Environmental Studies And Policy Collection | Ex-Libris Primo Central | Google Scholar | GREENR - Global Reference on the Environment, Energy, and Natural Resources | J-Gate | Naver | NSTL - National Science and Technology Libraries | OCLC WorldCat® | ProQuest Natural Science Collection (Agricultural & Environment Science Database) | ProQuest Natural Science Collection (Earth, Atmospheric & Aquatic Science Database) | ProQuest Water Resources Abstracts | RePEC | The Summon® Service Water Resources Abstracts (Proquest) | WanFang Data.

Journal of Water Technology (JOWT)

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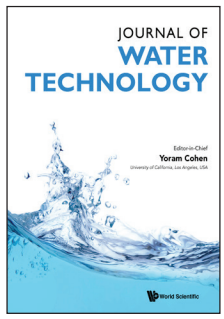

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6 CLEAN WATER AND SANITATION

Editor-in-Chief: Yoram Cohen
(University of California, Los Angeles, USA)

An international, peer-reviewed journal, that aims to provide a platform for the dissemination of high-quality research and innovations related to the technology and management of water resources. The burden on freshwater resources is increasing due to the impacts of global climate change, population growth and rising demand from the domestic sector, industry and intensive agriculture. Excessive withdrawals from aquifers and freshwater bodies are rapidly depleting freshwater resources and, therefore, developing a diversified water portfolio along with distributed water treatment and desalination is critical for meeting water needs across the globe. The path to water sustainability is complex, since water, energy, and food are inextricably linked. As such, there can be many different approaches to water technology. It is acknowledged that the viability of various technologies, for deployment beyond the research environment, will require considerations of environmental, economic and policy issues, particularly regarding the growing efforts in water reuse, seawater desalination and upgrading of impaired groundwater resources. Moreover, it is critical to address the growing need for water treatment/purification/desalination systems are increasingly being developed with the objective of fit-for-purpose applications. Given the above challenges, and the need to progress toward sustainable and economically realizable water supplies. JOWT welcomes high-quality scientific papers that address (but are not limited to) the following topics: • Fundamental science and engineering with real-world applications to improvements in water supply, production and reuse • Improving water treatment, purification and desalination technologies • Advances relating to recycled water, brackish inland water, industrial process water, produced water and agricultural water • Process and operational design to improve system resilience and robustness • Sustainable water resources – energy optimization, cost-effective solutions • Material science advances that contribute to improvement of water technologies • Intelligent water systems driven by AI, water systems cyberinfrastructure and Big Data • Circular economy in relation to water sustainability • Operational security of water systems • Handling of process residual streams • Multi-community and cost-effective shared solutions.

Abstracting/Indexing: Baidu | CNKI Scholar | CnpLINKer | Crossref | Dimensions | Ebsco Discovery Service | EBSCO Electronic Journal Service (EJS) | ExLibris Primo Central | Google Scholar | J-Gate | Naver | NSTL - National Science and Technology Libraries | OCLC WorldCat® | The Summon® Service.

Journal of Climate Action, Research, and Policy (JOCARP)

Addressing Climate Challenges, Risk, and Opportunity

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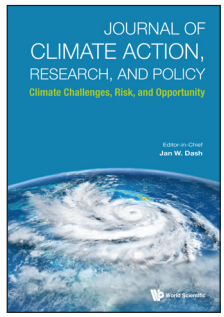

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13 CLIMATE ACTION

Editor-in-Chief: Jan W. Dash *(Editor, World Scientific Encyclopedia of Climate Change)*

JOCARP's vision is a pioneering open access journal, with the unique focus of providing solid science-based and action-oriented resources catalyzing the implementation of more urgent, substantial, and pivotal climate action solutions by business of all types, government at all levels, academia, and non-governmental organizations (NGOs).

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Journal of Clean Energy and Energy Storage (JOCEES)

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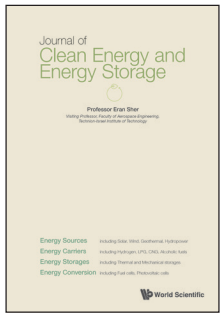

Editor-in-Chief: Eran Sher
(Technion-Israel Institute of Technology)

Journal of Clean Energy and Energy Storage provides a unique platform for exchanging knowledge, innovative ideas, research, and development in the areas of clean energy conversion and energy storage. The scope of the Journal includes analysis and optimization of clean energy processes, sustainable energy systems, and mitigation of environmental pollutants, with a focus on engineering applications. The journal publishes high-quality original manuscripts, review articles, vision articles, and short communications. The Journal coverage ranges from innovative technologies of clean renewable energy to energy storage issues, its impact on the environment, and economic assessments of clean energy projects. Critical debates related to these issues are encouraged and welcome.

Journal of Urban Futures (JUF)

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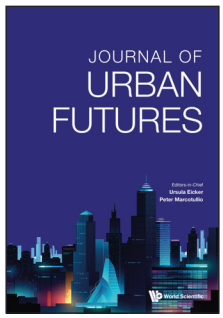

Editors-in-Chief: Ursula Eicker *(Concordia University, Quebec, Canada)* & **Peter Marcotullio** *(Hunter College, City Univ. of New York, USA)*

The **Journal of Urban Futures** aims to encourage substantive research and generate knowledge for building sustainable urban futures, the backbone of a sustainable planet. It welcomes new knowledge about projecting, forecasting and backcasting urban sustainable development in individual cities and within urbanization processes. The objectives of the journal are to highlight multi-level research from the neighborhood to the urban and global scale that addresses the future of livable, sustainable and resilient cities. Fundamental to the urban transformation is the decarbonization challenge to fight climate change, which involves the switch to renewable resources and energy efficiency in all urban infrastructure sectors. With urban planning at the core of the city (infra)structure, subjects can also include technological innovations such as the use of IoT for smarter and sharing urban solutions as well as socio-economic transformations that will influence circular economic activity, financial markets, internalization of externalities in production dynamics, economic and social urban resilience and sustainability.

Chinese Journal of Urban and Environmental Studies (CJUES)

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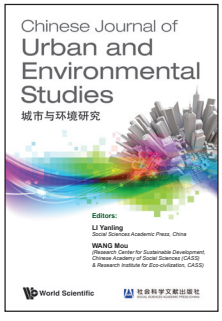

Editors: LI Yanling *(Social Sciences Academic Press, China)* & **WANG Mou** *(Research Center for Sustainable Development, Chinese Academy of Social Sciences (CASS) & Research Institute for Eco-civilization, CASS)*

Chinese Journal of Urban and Environmental Studies (CJUES) is a peer-reviewed journal that seeks to publish high-quality research papers and book reviews to explore a wide range of academic and policy concerns of urban and environmental studies.

International Journal on Smart and Sustainable Cities (IJSSC)

https://www.worldscientific.com/ijssc

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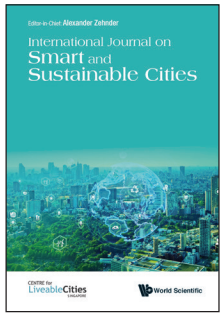

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Interdisciplinary Journal of Sustainable Oceans and Coasts (IJSOC)

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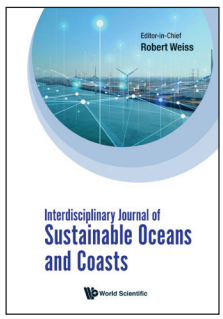

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