

海洋・気象関係書

新刊・近刊ご案内(2017年9月)

外国出版社の新刊・近刊案内のなかから海洋学・気象学関係のものを選んでご案内致します。ご注文・お見積りなどお気軽にお申し込みください。

海洋学	1-20
気象学	21-32
海洋生物学・水産学	33-56
海洋工学	57-66
海の政治・経済・法律	67-88

海洋学

1. 音響学教科書・第1巻 - 基礎

Acoustics: A Textbook for Engineers and Physicists Vol I: Fundamentals

By J. H. Ginsberg, Georgia Institute of Technology, Dunwoody, GA, USA

Springer - June 2017, 361 pages, Hardcover
ISBN 9783319568430 ¥21,160

CONTENTS: List of Examples.- Preface.- Acknowledgements.- 1 Descriptions of Sound.- 2 Plane Waves: Time Domain Solutions.- 3 Plane Waves: Frequency Domain Solutions.- 4 Principles and Equations for Multidimensional Phenomena.- 5 Interface Phenomena for Planar Waves.- 6 Spherical Waves and Point Sources.- Index.

2. 音響学教科書・第1巻 - 応用

Acoustics: A Textbook for Engineers and Physicists Vol II: Applications

By J. H. Ginsberg, Georgia Institute of Technology, Dunwoody, GA, USA

Springer - June 2017, 508 pages, Hardcover
ISBN 9783319568461 ¥21,160

CONTENTS: List of Examples.- Preface.- Acknowledgements.- 7 Radiation from Vibrating Bodies.- 8 Radiation from a Source in a Baffle.- 9 Modal Analysis of Waveguides.- 10 Modal Analysis of Enclosures.- 11 Geometrical Acoustics.- 12 Scattering.- 13 Nonlinear Acoustic Waves.- Appendix A: Curvilinear Coordinates.- Appendix B: Fourier Transforms.- Index

3. バルト海と黒海 - 生態学的視点、多様性、管理

Baltic and Black Sea

Ecological Perspectives, Biodiversity and Management

(Series: Oceanography and ocean Engineering)
By Andre Mills

Nova Science - 2016, 159 pages, Hardcover
ISBN 9781634852333 ¥29,370

This book discusses ecological perspectives, biodiversity and management of the Baltic and Black Seas. Chapter One reviews the role of the Russian section of the Gulf of Finland and its basin in the ecosystems of the Baltic Sea. Chapter Two studies spatio-temporal dynamics of ichthyoplankton biodiversity in different biotopes of the Baltic Sea. Chapter Three explores the abnormalities in the amphipods of free-living nematodes in the Black Sea. Chapter Four discusses the role of defense systems to the adaptation to ecological conditions in the Black Sea ecosystem.

4. 海浜管理ツール - 諸概念、方法論、事例研究

Beach Management Tools Concepts, Methodologies and Case Studies

(Coastal Research Library, Volume 24)

Edited by C. M. Botero, Universidad de La Costa, Barranquilla, Colombia; O. D. Cervantes, University of Colima, Manzanillo, Mexico; C. W. Finkl, Fletcher, NC

Springer - Aug 2017, 835 pages, 346 illus., 245 illus. in color. Hardcover ISBN 9783319583037
¥50,590

This book provides an overview of beach management tools, including carrying capacity, beach nourishment, environmental and tourism awards (like Blue Flag or others), bathing water quality, zoning, beach typologies, quality index, user's perception, interdisciplinary beach monitoring, coastal legislation, shore protection, social and economic indicators, ecosystem services, and coastal governance

5. 大きな太平洋

Big Pacific: Passionate, Voracious, Mysterious, Violent

by Rebecca Tansley

Princeton U.P. - June 2017, Hardcover, Color photographs throughout ISBN 9780691177489
¥5,490

The Pacific Ocean covers one-third of Earth's surface—more than all of the planet's landmasses combined. It contains half of the world's water, hides its deepest places, and is home to some of the most dazzling creatures known to science. The companion book to the spectacular five-part series on PBS produced by Natural History New Zealand, Big Pacific breaks the boundaries between land and sea to present the Pacific Ocean and its inhabitants as you have never seen them before.

6. バルト海における生物地球化学的変容

Biogeochemical Transformations in the Baltic Sea

Observations Through Carbon Dioxide Glasses
(Springer Oceanography)

By **B. Schneider**, Leibniz Institute for Baltic Sea Research, Warnemünde, Germany; & **J. D. Müller**, Leibniz Institute for Baltic Sea Research, Rostock, Germany

Springer - Aug 2017, XIV, 110 pages, 54 illus.

Hardcover ISBN 9783319616988 **¥18,410**

This book provides a comprehensive review of the biogeochemistry in the Baltic Sea. It is based on the fact that biogeochemical processes that are relevant for the ecological state of the Baltic Sea (and other sea areas), are all in some way related to the production and mineralization of organic matter (biomass) and thus are associated with the consumption or release of CO₂. The significant progress with regard to our chemical analytical capabilities concerning the marine CO₂ system has facilitated new approaches to study the Baltic Sea biogeochemistry, in particular with regard to a quantitative process understanding. To demonstrate this, the authors present the fundamentals of the marine CO₂ system in a theoretically sound, but still intelligible way. This is followed by a comprehensive presentation of our current knowledge about the CO₂ system in the Baltic Sea and the implications for our understanding of biogeochemical processes such as production/mineralization of organic matter and the stoichiometry involved, nitrogen fixation, denitrification, and phosphate transformations at varying redox conditions. Finally, the CO₂ gas exchange balance and related problems such as acidification are addressed.

7. 沿岸ラグーン - 地質学、特性、多様性

Coastal Lagoons

Geology, Characteristics and Diversity

(Series: Coastal and Oceanic Landforms, Developmental and Management)

Edited by Carole Snyder

Nova Science - 2016, 125 pages, Softcover

ISBN 9781536102864 **¥15,050**

The term 'lagoon' is derived from the Italian *laguna*, which originally referred to the waters around Venice but currently denotes a variety of geomorphologically and ecologically defined systems, including atoll lagoons and coastal lagoons. While the former are restricted to tropical latitudes, coastal lagoons are common features of the coasts of all continents, occurring, as they do, along about 13 percent of the world's shorelines. This book reviews the geology, characteristics and diversity of coastal lagoons.

8. 海岸地帯の管理、評価、挑戦

Coastal Zones

Management, Assessment and Current Challenges

(Series: Coastal and Oceanic Landforms, Developmental and Management)

By Yuri Latypov

Nova Science - 2016, 128 pages, Softcover

ISBN 9781634847056 **¥15,050**

This current book provides up-to-date research on the management, assessment and current challenges of coastal zones. Chapter One reviews the Coastal Area Management Programme (CAMP) of the Mediterranean Action Plan (MAP). Chapter Two introduces atypical example accounting for a comparative analysis between wetlands in Lebanon with

different hydrology and aquifer characteristics. Chapter Three aims to account for procedures taken by coastal, insular, and archipelagic states when claiming the extension of its oceanic limits.

9. 時空におけるサンゴ礁の生態系

Coral Reef Ecosystem in Space and Time (Based on the Reefs of Vietnam)

(Series: Coastal and Oceanic Landforms, Development and Management)

By Yuri Latypov

Nova Science - 2016, 128 pages, Softcover

ISBN 9781634847056 **¥15,050**

This lavishly illustrated book explores the concept of reef ecosystems and its characteristics. It provides a conceptual description of reefs and their functions. This compilation also outlines the general species composition and structure of coral reefs and their corallobionts. Described and illustrated are the main inhabitants of the reef community. Various types of reefs (fringing, barrier, platform etc.) in different regions of Vietnam, along with their conditions and statuses are catalogued as well. Reef ecosystems traced under anthropogenic influence and the impact of typhoons are included. This book shows the possibilities of artificially cultivating corals and the rebuilding of their communities.

10. 黒海およびアゾフ海港湾の生態学

Ecology of Marine Ports of the Black and Azov Sea Basin

By **A. K. Vinogradov**, National Academy of Sciences Institute of Marine Biology, Odessa, Ukraine; **Yu. I. Bogatova**, National Academy of Sciences Institute of Marine Biology, Odessa, Ukraine; & **I. A. Synegeb**, National Academy of Sciences Institute of Marine Biology, Odessa, Ukraine

Springer - Sept 2017, 425 pages, Hardcover

ISBN 9783319630601 **¥31,740**

This work examines the waters of marine ports as unique integrated aquatic ecosystems. It regards marine ports as entities comprising components of natural and anthropogenic origin, including pelagic, periphytal and benthal subsystems. Using selected Black and Azov Sea ports as examples, the book discusses the hydrodynamics and water exchange, which are weakened in ports compared with open coastal zones. It reflects consequences of the presence of hydrobionts and the accumulation of organic matter, which are promoted by the variety of hard substrata and the absence of fishery. The book is divided into five main chapters. The first chapter describes the general characteristics of the marine ports at the northern coast of the Black and Azov Seas and their shipping channels. Chapters 2 to 4 discuss the main abiotic and biotic peculiarities of the pelagic, periphytal and benthal subsystems of those marine ports, and chapter 5 deals with trophodynamic processes in their ecosystems. A concluding section reflects recommendations how the ecosystems of ports in non-tidal seas may be ameliorated.

11. 海洋環境保護ハンドブック

Handbook on Marine Environment Protection

Science, Impacts and Sustainable Management

Edited by **M. Salomon**, German Advisory Council on the Environment, Berlin, Germany; **T. Markus**, University of Bremen, Bremen, Germany
Springer - Aug 2017, 1050 pages, 165 illus., 143 illus. in color. Hardcover ISBN 9783319601540
¥31,740

This handbook is the first of its kind to provide a clear, accessible, and comprehensive introduction to the most important scientific and management topics in marine environmental protection. Leading experts discuss the latest perspectives and best practices in the field with a particular focus on the functioning of marine ecosystems, natural processes, and anthropogenic pressures. The book familiarizes readers with the intricacies and challenges of managing coasts and oceans more sustainably, and guides them through the maze of concepts and strategies, laws and policies, and the various actors that define our ability to manage marine activities. Providing valuable thematic insights into marine management to inspire thoughtful application and further study, it is essential reading for marine environmental scientists, policy-makers, lawyers, practitioners and anyone interested in the field.

12. 海洋および沿岸資源管理

Marine and Coastal Resource Management

Principles and Practice

Edited by David R. Green, & Jeffrey L. Payne
Routledge - Sept 2017, 326 pages, 93 B/W Illus.
Hardback: ISBN 9781849712897 **¥26,730**

In this new and highly original textbook for a range of interdisciplinary courses and degree programmes focusing on marine and coastal resource management, readers are offered an introduction to the subject matter, a broad perspective and understanding, some case study applications, and a reference source. Each chapter is written by an international authority and expert in the respective field, bringing together perspectives from physical and human geography, marine biology and fisheries, planning and surveying, law, technology, environmental change, engineering and tourism. In addition to an overview of the theory and practice of its subject area, many chapters include detailed case-studies to illustrate the applications, including relationships to decision-making requirements at local, regional, and national levels. Each chapter also includes a list of references for further reading, with a selection of key journal papers and URLs. Overall, this volume provides a key textbook for undergraduate and postgraduate courses and the coastal or marine practitioner, as well as a long-term reference for students.

13. 海洋堆積物 - 形成、分布、環境への影響

Marine Sediments

Formation, Distribution and Environmental Impacts

(Series: Marine Biology)

Shirley Williams

Nova Science - 2016, 106 pages, Softcover
ISBN 9781634851275 **¥17,440**

This current book discusses the formation, distribution and environmental impacts of marine sediments. The first chapter describes the isolation, taxonomic approach, diversity, secondary metabolites and activities of actinobacteria. Chapter Two aims at the verification of anisotropy of magnetic susceptibility (AMS) usability as a textural indicator of rocks, with special emphasis on origin of fluid pathway within tight turbidite sandstones burying a foreland basin. The final chapter reviews aluminum impact on the growth of benthic diatom.

14. 海洋環境管理 - 原理と実践

Maritime Environmental Management Principles and Practice

By Anthony W. Gallagher

Routledge - Aug 2017, 384 pages, Hardcover
ISBN 9780415853859 **¥23,080**

In this comprehensive introduction to the issues surrounding the use of the marine environment, the contribution of the maritime sector, specifically shipping and ports, to global environmental impacts is explored in depth. Using an ecosystem-based approach, the author reviews these impacts and considers their relative significance. Effective marine management and responsible use of the marine environment by the maritime sector is increasingly demanded by society. This book considers the success of current systems in place, including the questions of value and specific mechanisms of funding.

15. 実時間での海洋観測

Observing the Oceans in Real Time

(Springer Oceanography)

Edited by Ramasamy Venkatesan, Amit Tandon, Eric D'Asaro, & M. A. Atmanand

Springer - Nov 2017, 400 pages, Hardcover,
ISBN 9783319664927 **¥31,740**

This book provides contributions from leading experts on the integration of novel sensing technologies to yield unprecedented observations of coupled biological, chemical, and physical processes in the ocean from the macro to micro scale. Authoritative entries from experts around the globe provide first-hand information for oceanographers and researchers looking for solutions to measurement problems. Ocean observational techniques have seen rapid advances in the last few years and this book addresses the need for a single overview of present and future trends in near real time and real time. First the past, present and future scenarios of ocean observational tools and techniques are elucidated. Then this book divides into three modes of ocean observations: surface, upper ocean and deep ocean. This is followed by data quality and modelling. Collecting a summary of methods and applications, this book provides first-hand information for oceanographers and researchers looking for solutions to measurement problems. This book is also suitable for final year undergraduate students or beginning graduate students in ocean engineering, oceanography and various other engineering students (such as Mechanical, Civil, Electrical, and Bioengineering) who are interested in specializing their skills towards modern measurements of the ocean.

16. 海洋学入門 (新書版)

Oceans: A Very Short Introduction

(Series: Very Short Introductions)

By Dorrik Stow

Oxford U.P. - July 2017, 216 pages, Paperback
ISBN 978019955076 **¥1,940**

Introduces the scientific understanding of oceans and their interaction with the human environment. Explains the links between oceans and climate regulation. Discusses the importance of the oceans to life on Earth, and the resources oceans provide, including food, energy, and minerals. Part of the Very Short Introductions series - over eight million copies sold worldwide.

17. 海上および陸上での衛星高度計

Satellite Altimetry Over Oceans and Land Surfaces

Edited by Detlef Stammer, & Anny Cazenave
CRC Press - Oct 2017, 632 pages, 32 Color
Illus. 68 B/W Illus., Hardback: 9781498743457
¥35,230

Satellite remote sensing, in particular by radar altimetry, is a crucial technique for observations of the ocean surface and of many aspects of land surfaces, and of paramount importance for climate and environmental studies. This book provides a state-of-the-art overview of the satellite altimetry techniques and related missions, and reviews the most-up-to date applications to ocean dynamics and sea level. It also discusses related space-based observations of the ocean surface (ocean salinity) and of the marine geoid, as well as applications of satellite altimetry to the cryosphere and land surface waters; operational oceanography and its applications to navigation, fishing and defense.

18. 海岸環境の空間解析

Spatial Analysis of Coastal Environments

By Sarah M. Hamylton, University of Wollongong,
New South Wales
Cambridge U.P. - May 2017, 306 pages,
Hardback ISBN 9781107070479 **¥10,090**

At the convergence of the land and sea, coastal environments are some of the most dynamic and populated places on Earth. This book explains how the many varied forms of spatial analysis, including mapping, monitoring and modelling, can be applied to a range of coastal environments such as estuaries, mangroves, seagrass beds and coral reefs. Presenting empirical geographical approaches to modelling, which draw on recent developments in remote sensing technology, geographical information science and spatial statistics, it provides the analytical tools to map, monitor and explain or predict coastal features. With detailed case studies and accompanying online practical exercises, it is an ideal resource for undergraduate courses in spatial science. Taking a broad view of spatial analysis and covering basic and advanced analytical areas such as spatial data and geostatistics, it is also a useful reference for ecologists, geomorphologists, geographers and modellers interested in understanding coastal environments.

19. 海底地形学

Submarine Geomorphology

(Series: Springer Geology)

Edited by **A. Micallef**, University of Malta, Msida, Malta; **S. Krastel**, Christian-Albrechts-Universität zu Kiel, Kiel, Germany; & **A. Savini**, Università degli Studi Milano Bicocca, Milan
Springer - July 2017, 599 pages, 195 illus., 55 illus. in color. Hardcover ISBN 9783319578514
¥31,740

This book on the current state of knowledge of submarine geomorphology aims to achieve the goals of the Submarine Geomorphology working group, set up in 2013, by establishing submarine geomorphology as a field of research, disseminating its concepts and techniques among earth scientists and professionals, and encouraging students to develop their skills and knowledge in this field.

20. 熱帯マングローブ湿地における微量元素

S. K. Sarkar, Department of Marine Science ,
Calcutta, India

Trace Metals in a Tropical Mangrove Wetland

Chemical Speciation, Ecotoxicological Relevance and Remedial Measures

Springer - Aug 2017, VIII, 262 pages, 31 illus., 26 illus. in color. Hardcover ISBN 9789811027925
¥24,340

This book offers a comprehensive and accessible guide covering various aspects of trace metal contamination in abiotic and biotic matrices of an iconic Indian tropical mangrove wetland – Sundarban. Divided into nine chapters, the book begins by discussing the fundamental concepts of sources, accumulation rate and significance of trace metal speciation, along with the impact of multiple stressors on trace metal accumulation, taking into account both tourist activities and the exacerbating role of climate change. The second chapter presents a detailed account of the sampling strategy and preservation of research samples, followed by exhaustive information on sediment quality assessment and ecological risk, instrumental techniques in environmental chemical analyses, quality assurance and quality control, along with the Sediment Quality Guidelines (SQGs). Using raw data, the sediment quality assessment indices (e.g., pollution load index, index of geoaccumulation, Nemerow Pollution Load Index etc.) and conventional statistical analyses are worked out and interpreted precisely, allowing students to readily evaluate and interpret them. This is followed by chapters devoted to trace metal accumulation in sediments and benthic organisms, as well as acid-leachable and geochemical fractionation of trace metals in sediments. The book then focuses on chemical speciation of butylin and arsenic in sediments as well as macrozoobenthos (polychaetous annelids). Finally, potential positive role of the dominant mangrove *Avicennia* in sequestering trace metals from rhizosediments of Sundarban Wetland is elaborately discussed. This timely reference book provides a versatile and in-depth account for understanding the emerging problems of trace metal contamination – issues that are relevant for many countries around the globe.

気象・気候学

21. カナダ大西洋沿岸の嵐への適応

Adaptation to Coastal Storms in Atlantic Canada

(SpringerBriefs in Geography)

By **L. Vasseur**, Brock University , St. Catharines,, ON, Canada; **M. J. Thornbush**, Brock University, St. Catharines, ON; & **S. Plante**, Université du Québec à Rimouski , Rimouski, QC

Springer - Aug 2017, 91 pages, Softcover
ISBN 9783319634913 **¥10,580**

CONTENTS: Chapter 1. Introduction.- Chapter 2. Coastal Communities in Atlantic Canada.- Chapter 3. Background Research.- Chapter 4. Methodology.- Chapter 5. Findings from Initial Interviews.- Chapter 6. Findings from Follow-up Interviews.- Chapter 7. Implications and Lessons Learned.- Chapter 8. Conclusions.

22. 東アジアにおける大気汚染

Air Pollution in Eastern Asia An Integrated Perspective

(ISSI Scientific Report Series, Volume 16)

Edited by **I. Bouarar**, Max Planck Institute for Meteorology, Hamburg, Germany; **X. Wang**, Sun Yat-sen University, Guangzhou, China; **G. P. Brasseur**, Max Planck Institute for Meteorology, Hamburg, Germany

Springer - July 2017, 573 pages, 209 illus., 197 illus. in color. Hardcover ISBN 9783319594880
¥42,330

This book, written by an international group of experts from China, Europe and the USA, presents a broad and comprehensive analysis of the chemical and meteorological processes responsible for the formation of air pollutants in eastern Asia, and in particular for the development of severe pollution episodes observed primarily during winter in the northeastern part of China.

23. 大気および宇宙科学 – 電離層とプラズマ環境
**Atmospheric and Space Sciences:
Ionospheres and Plasma
Environments Volume 2**

(Series: Springer Climate)

By **E. Yiğit**, George Mason University, Fairfax, VA, USA

Springer - July 2017, 147 pages, Softcover
ISBN 9783319620053 **¥10,580**

The SpringerBriefs on Atmospheric and Space Sciences in two volumes presents a concise and interdisciplinary introduction to the basic theory, observation & modeling of atmospheric and ionospheric coupling processes on Earth. The goal is to contribute toward bridging the gap between meteorology, aeronomy, and planetary science.

24. 気候変動と大気汚染

**Climate Change and Air Pollution
The Impact on Human Health in Developed and
Developing Countries.**

Edited by **R. Akhtar**, International Institute of Health Management and Research, New Delhi; & **C.**

Palagiano, Sapienza University of Rome, Rome
Springer - Aug 2017, 431 ppages, Hardcover
ISBN 9783319613451 **¥31,740**

Discusses regional climate change and air pollution. Provides a global comparison between developed and developing countries regarding climate change, air pollution, and associated health problems. This book discusses regional and international climate-change, air-pollution and human-health scenarios. The research, from both industrialized and developing countries, focuses on region-specific perspectives of climate change impacts on air pollution.

25. エネルギーバランスの気候モデル

Energy Balance Climate Models

(Series: Wiley Series in Atmospheric Physics and Remote Sensing)

By Gerald R. North & Kwang-Yul Kim

Wiley - Sept 2017, 408 pages, Hardcover
ISBN 9783527411320 **¥39,470**

Written by renowned experts in the field, this first book to focus exclusively on energy balance climate models provides a concise overview of the topic. It covers all major aspects, from the simplest zero-dimensional models, proceeding to horizontally and vertically resolved models. The text begins with global average models, which are explored in terms of their elementary forms yielding the global average temperature, right up to the incorporation of feedback mechanisms and some analytical properties of interest. The effect of stochastic forcing is then used to introduce natural variability in the models before turning to the concept of stability theory. Other one dimensional or zonally averaged

models are subsequently presented, along with various applications, including chapters on paleoclimatology, the inception of continental glaciations, detection of signals in the climate system, and optimal estimation of large scale quantities from point scale data. Throughout the book, the authors work on two mathematical levels: qualitative physical expositions of the subject material plus optional mathematical sections that include derivations and treatments of the equations along with some proofs of stability theorems. A must-have introduction for policy makers, environmental agencies, and NGOs, as well as climatologists, molecular physicists, and meteorologists.

26. EPICA-DML の深層氷床コア

**The EPICA-DML Deep Ice Core
A Visual Record**

(Frontiers in Earth Sciences)

By **S. H. Faria**, Basque Centre for Climate Change (BC3), Leioa; **S. Kipfstuhl**, Alfred Wegener Institute (AWI), Bremerhaven, Germany; & **A. Lambrecht**, Essen, Germany

Springer - August 2017, 341 ppages. 39 illus., 31 illus. in color, Hardcover ISBN 9783662553060
¥31,740

CONTENTS: Part I. EDML Facts and Physics.- 1 Getting Started.- 2 Antarctica and EPICA.- 3 The EDML Drilling Site.- 4 Multiscale Structure of the EDML Core.- 5 EDML Line-Scan Images. Part II. EDML Visual Stratigraphy Record.

27. 境界層気象学の原理

**Fundamentals of Boundary Layer
Meteorology**

(Springer Atmospheric Sciences)

By **X. Lee**, Yale University School of Forestry & New Haven, CT, USA

Springer - Sept 2017, 272 pages, 60 illus. in color.
Hardcover ISBN 9783319608518 **¥16,290**

This textbook introduces a set of fundamental equations that govern the conservation of mass (dry air, water vapor, trace gas), momentum and energy in the lower atmosphere. Simplifications of each of these equations are made in the context of boundary-layer processes. Extended from these equations the author then discusses a key set of issues, including (1) turbulence generation and destruction, (2) force balances in various portions of the lower atmosphere, (3) canopy flow, (4) tracer diffusion and footprint theory, (5) principles of flux measurement and interpretation, (6) models for land evaporation, (7) models for surface temperature response to land use change, and (8) boundary layer budget calculations for heat, water vapor and carbon dioxide. Problem sets are supplied at the end of each chapter to reinforce the concepts and theory presented in the main text. This volume offers the accumulation of insights gained by the author during his academic career as a researcher and teacher in the field of boundary-layer meteorology.

28. 熱帯気候力学の基礎

**Fundamentals of Tropical Climate
Dynamics**

(Springer Atmospheric Sciences)

By **T. Li**, University of Hawaii, Honolulu, HI, USA; & **P. Hsu**, Nanjing University of Information Science and Technology, Nanjing, China

Springer - July 2017, 228 pages, 134 illus., 61 illus. in color, Hardcover ISBN 9783319595955
¥16,290

CONTENTS: Preface.- Chapter 1. Simple dynamic frameworks for tropical atmosphere and ocean.- Chapter 2. Role of air-sea interaction in shaping tropical mean climate.- Chapter 3. Madden-Julian oscillation.- Chapter 4. Tropical cyclone formation.- Chapter 5. Dynamics of El-Niño-southern oscillation.- Chapter 6. Monsoon dynamics and its interactions with ocean.

29. 気候のグローバル化

Globalising the Climate

COP21 and the Climatisation of Global Debates

(Series: Routledge Advances in Climate Change Research)

Edited by Stefan C. Aykut, Jean Foyer & E. Morena
Routledge - March 2017, 224 pages, Hardcover
ISBN 9781138675599 **¥28,650**

Drawing on rigorous analysis of the global climate debate and participant analysis of COP21, this volume will offer readers an original account of the current state of play in the field of global climate governance. It will build upon a collaborative research project on COP21 carried out by a multidisciplinary team of twenty academics with recognized experience in the field of environmental governance.

30. 高山の大気の研究

High-Mountain Atmospheric Research The Italian Mt. Cimone WMO/GAW Global Station (2165 m a.s.l.)

(SpringerBriefs in Meteorology)

By P. Cristofanelli et al.

Springer - August 2017, 137 pages, Softcover
ISBN 9783319611266 **¥10,580**

This book presents the results of 20 years of atmospheric composition research studies carried out at the high-mountain (2,165 m a.s.l.) Observatory „O. Vittori“ in Italy, part of the only global station in the Mediterranean region that belongs to the World Meteorological Organization's Global Atmosphere Watch (WMO/GAW).

31. 気候変動適応の限界

Limits to Climate Change Adaptation

(Climate Change Management)

Edited by **W. Leal Filho**, Hamburg University of Applied Sciences, Hamburg, Germany; & **J. Nalau**, Griffith University, Gold Coast,

Springer - Aug 2017, ca.350 pages, Hardcover
ISBN 9783319645988 **¥31,740**

CONTENTS: Preface.- Part I: Limits to Climate Change Adaptation in Asia.- Part II: Limits to Change Adaptation in Africa.- Part III: Limits to Climate Change Adaptation in Australia, North-America, and Europe.- Part IV: Limits to Climate Change Adaptation in the Pacific Region.

32. 海洋汚染と気候変動

Marine Pollution and Climate Change

Edited by Andres Hugo Arias, & Jorge Eduardo Marcovecchio

CRC Press - Sept 2017, Hardcover
ISBN 9781482299434 **¥27,700**

This book presents a broad overview of pollution issues facing climatic, economic, and legal globalization. Topics include changes in oceans from ancient times to the present, the importance of marine currents and changing climates, marine pollution linked to climate change (fossil fuels, global carbon dioxide, heavy metals, pesticides, plastics, emerging pollutants, and marine debris), global shipping and species invasion, global climate change in the Arctic and Antarctic environments, and regulatory responses to mitigate pollution and climate change in oceans.

海洋生物学・水産学

33. 海洋生物学の進歩・第1巻

Advances in Marine Biology, Vol 1.

Edited by Adam Kovács & Partrik Nagy
Nova Science - 2016, 220 pages, Hardcover
ISBN 9781536101317 **¥34,880**

Each article has been carefully selected in an attempt to present substantial research results across a broad spectrum. In this volume, the first chapter reviews the influenza viruses in marine mammals. Chapter Two presents an overview of the development and study of marine sponge's bioactive compounds for anti-inflammatory activity for last four years i.e., 2012-2016. Chapter Three provides an updated review of the helminth fauna of cetaceans. Chapter Four discusses the effect of clays on the removal of okadaic acid from seawater. Chapter Five focuses on biomarker responses in black sea scorpion fish *Scorpaena porcus* to anthropogenic impact. Chapter Six provides an overview of trophic ecology of the shortfin mako *Isurus oxyrinchus* (Lamniformes: Lamnidae) in the Eastern Pacific ocean. Chapter Seven examines a fishery encompassing two of the Spanish fleet's target species that exhibit a significant ecological predatory interdependence: the blue whiting and the southern stock of European hake.

34. ラテンアメリカにおける海洋脊椎動物研究の進歩

Advances in Marine Vertebrate Research in Latin America Technological Innovation and Conservation

Edited by M.R. Rossi-Santos & C. W. Finkl
(Series: Coastal Research Library, Volume 22)
Springer - July 2017, 510 pages, Hardcover
ISBN 978331956984 **¥35,980**

Presents a unique fusion of marine vertebrate ecology, conservation and technological innovation of interest to a wide audience of researchers and students. Contains a rich resource of unpublished data, examples and illustrations. Reflects the research of an entire continent to a diverse audience of marine sciences This book gathers the most recent research findings on ecology and conservation of marine vertebrates in Latin America, making use of high technological methods to show readers the diversity of the marine research that has been conducted in these countries over the last decades.

35. 養殖の管理、挑戦、開発

Aquaculture: Management, Challenges and Developments

By Joanne G. Buchanan
Nova Science - 2016, 150 pages, Softcover
ISBN 9781634855631 **¥17,440**

This book provides current research on aquaculture. Chapter One reviews management, challenges and developments of aquaculture in Ghana, West Africa. Chapter Two covers the fundamental knowledge of phage infection in bacterial cell and extends it to phage therapy by using a model of *Vibrio*-phage, called VH-P, with its specific *Vibrio harveyi* host, VH 13-1. Chapter Three discusses taste-taint modelling in Recirculating Aquaculture Systems (RAS) farmed fish. Chapter Four investigates the causative effect of protein, lipid, feeding level and their interaction on growth, biological parameters and haematology of *Oreochromis niloticus*. Chapter Five provides a review on the mapping of the value chain for farmed fish and gender analysis along the aquaculture value chain in Kenya. Chapter Six answers why aquaculture trials have not been successful in Tanzania.

36. 水生外来生物 - アメリカにおける対策とコスト

Aquatic Invasive Species

Federal Activities and Costs of Addressing Threats and Impacts

(Series: Marine Biology)

Nova Science - 2016, 112 pages, Softcover, ISBN 9781634853910 ¥17,440

Aquatic invasive species—harmful, nonnative plants, animals, and microorganisms living in aquatic habitats—damage ecosystems or threaten commercial, agricultural, and recreational activities. The Nonindigenous Aquatic Nuisance Prevention and Control Act of 1990 created the Task Force and required it to develop an aquatic nuisance species program. The Water Resources Reform and Development Act of 2014 includes a provision that the United States Government Accountability Office (GAO) assess federal costs of, and spending on, aquatic invasive species. This book examines how much Task Force member agencies expended addressing aquatic invasive species for fiscal years 2012-2014; activities conducted by Task Force member agencies and challenges in addressing aquatic invasive species; and the extent to which the Task Force has measured progress in achieving the goals of its 2013-2017 strategic plan.

37. バルト海の甲殻類

Baltic Crustaceans

By A. Szaniawska, Institute of Oceanography, Gdynia, Poland

Springer - Aug 2017, VIII, 170 p. Hardcover ISBN 9783319563534 ¥18,410

This book presents all Malacostracan crustaceans occurring in the Baltic Sea in water salinity from 2 to 15 psu. The Baltic sea is very special due to its low salinity and characteristic fauna. For each of the 58 species the systematic position, the origin and distribution in European waters are given, and the environmental preferences, the role in the food web and human economy described. The book describes the history of the Baltic sea and the occurrence of crustaceans in its history against the terms of hydrological conditions, explaining why in the Baltic sea only part of all marine crustaceans occur. The book is richly illustrated with photographs and beautiful pictures of animals specifically prepared for this book.

38. ブラウントラウトの生物学、生態学、管理

Brown Trout Biology, Ecology and Management

By JAVIER LOBÓN-CERVIÁ

Wiley - Oct 2017, 832 pages, Hardcover ISBN 9781119268314 ¥41,310

Brown Trout is an iconic species inhabiting a diversity of habitats from mountain streams of transparent waters to lakes and oceans and is sought after by thousands of passionate anglers worldwide.

This book summarizes the important aspects of brown trout's biology and ecology. It includes several chapters focused on the impact caused by the species and on potential management strategies to, first, maintain numerous damaged populations within their natural distributional range and, second, ameliorate its impacts on exotic environments. Authors from all over the world involved in their study and management offer reviews and case studies that provide insight into theory and practice.

Brown Trout: Biology, Ecology and Management will provide scientists, researchers and experts in salmonids with attempts to uncover the exit from the complex maze of controversies and challenges associated with this species.

39. 気候変動の漁業および養殖への影響

Climate Change Impacts on Fisheries and Aquaculture

A Global Analysis

By Bruce F. Phillips & Mónica Pérez-Ramírez

Wiley - Sept 2017, 1104 pages, Hardcover ISBN 9781119154044 ¥57,830

The first book of its kind, *Climate Change Impacts on Fisheries and Aquaculture* explores the impacts of climate change on global fisheries resources and on marine aquaculture. It also offers expert suggestions on possible adaptations to reduce those impacts.

The world's climate is changing more rapidly than scientists had envisioned just a few years ago, and the potential impact of climate change on world food production is quite alarming. Nowhere is the sense of alarm more keenly felt than among those who study the warming of the world's oceans. Evidence of the dire effects of climate change on fisheries and fish farming has now mounted to such an extent that the need for a book such as this has become urgent. A landmark publication devoted exclusively to how climate change is affecting and is likely to affect commercially vital fisheries and aquaculture operations globally, *Climate Change Impacts on Fisheries and Aquaculture* provides scientists and fishery managers with a summary of and reference point for information on the subject which has been gathered thus far.

40. 気候変動、海洋酸性化、海綿動物

Climate Change, Ocean Acidification and Sponges

Impacts Across Multiple Levels of Organization

Edited by J. L. Carballo, Universidad Nacional Autónoma de México Instituto de Ciencias del Mar y Limnología, Mazatlan; & J. Bell, Victoria University of Wellington, Wellington

Springer - Aug 2017, X, 355 ppages. 42 illus., 25 illus. in color. Hardcover ISBN 9783319590073 ¥33,230

While sponges represent a very simple group of organisms, which are represented by over 8000 species, there is considerable interest in the increasing role they may play in future marine ecosystems. While we still have a comparatively limited understanding of how sponges will respond to ocean warming and acidification there is evidence that some species may have the ability to acclimate or even adapt to these stressors. This comprehensive collection of articles describes our current understanding of the impacts of ocean acidification and warming on sponges across multiple levels of biological organisation, and from the geological past to the present. With expert contributions from across the world this book

represents the most up-to-date view on sponge responses to climate change. This book will be of interest to a wide audience of marine scientists and managers, who are grappling with how to manage, conserve and protect marine ecosystems.

41. 海岸の魚 - 生息地、行動、保護

Coastal Fishes

Habitat, Behavior and Conservation

Edited by Edward K. Marinéz

Nova Science - 2016, 297 pages, Hardcover
ISBN 9781536100112 ¥34,880

Coasts are dynamic places with interactions between, land, sea, rivers and atmosphere and serve many important socio-economic functions. Being the interface between the land and the ocean, coastal areas are affected by highly dynamic processes. Coastal spaces also support unique and especially fragile ecosystems, being areas of great environmental and aesthetic value. This book discusses habitats, behavior and the conservation of coastal fishes.

42. サンゴ礁の環境史

Coral Reefs

An Environmental History

(Series: earthscan Oceans)

Routledge - July 2017, 288 pages, Hardback
ISBN 9781138187313 ¥28,650

Coral reefs are hotspots of biodiversity, but are under threat from ocean pollution and acidification, as well as human activities such as fishing and tourism. This book provides a global environmental history of coral reefs, which will provide greater understanding of environmental change and management of coral reefs over time. The scope is global, although with a focus on these coral reefs for which extensive literature exists and which represent environments and habitats of international significance, such as the Great Barrier Reef of Australia, the coral reefs of the Caribbean and Red Seas, and the Indian and Pacific Oceans.

43. サンゴ礁 - 生態系、環境への影響、脅威

Coral Reefs

Ecosystems, Environmental Impact and Current Threats

(Series: Marine Biology)

Nova Science - 2016, 170 pages, Hardcover,
ISBN 9781634850810 ¥20,190

This book provides current research on the ecosystems of coral reefs, as well as the environmental impact and current threats to the coral reefs. Chapter One studies proteins responsive to variable temperature exposure in the reef-building coral *Seriatopora hystrix*. Chapters Two and Three examine the impact of arachidonic acid's (ArA) on coral reefs. The final chapter discusses environmental monitoring in the Gulf of Thailand, and the use of coral skeletons as metal pollution recorders.

44. サンゴ礁 - 観光、保護、管理

Coral reefs

Tourism, Conservation and Management

(Series: Earthscan Oceans)

Edited by Bruce Prideaux & Anja Pabel

Routledge - June 2017, 320 pages, Hardback
ISBN 9781138689831 ¥23,080

Coral reefs are important destinations and resources for tourism and bring various benefits to local communities. However they are under increasing threat from climate change and its related impacts such as coral bleaching and ocean acidification, as well as from human activities. This book adopts a multidisciplinary approach to review these issues as they relate to the sustainable management of coral reefs, with case studies of all of the main coral reef systems of the world.

45. 東および南アラビア半島の危険な魚

Dangerous Fishes of the Eastern and Southern Arabian Peninsula

L. A. Jawad, Manukau

Springer - Aug 2017, 386 pages. 233 illus., 219 illus. in color. Hardcover ISBN 9783319579245
¥31,740

CONTENTS: Ch.1 Introduction- Part -1.- Ch. 2 Biting and predator fish group.- Ch. 3 Harmful fish group.- Ch. 4 Electric fishes.- Part -2.- Ch. 5 Poisonous fishes.- Ch. 6 Ichthyohemotoxic fishes.- Ch. 7 Venomous fishes

46. 生物経済学にもとづく漁業、漁獲量割当て管理、割当て取引

Fisheries, Quota Management and Quota Transfer Rationalization through Bio-economics

(MARE Publication Series, Volume 15)

Edited G. M. Winder, Ludwig-Maximilians-Universität München, München, Germany

Springer - July 2017, XV, 240 pages, 9 illus., 8 illus. in color. Hardcover ISBN 9783319591674
¥14,180

This volume examines the impact of fish stock assessment and catch share arrangements in context through case studies and in terms of ecosystem, economy and society. It examines the rationalizing work of bio-economic projects, especially the institutionalization of individual transferable quota (ITQ) in fisheries: what impact have they had on fisheries and fishers? The contributing authors understand ITQ and quota management as bio-economic projects, that is, as widely deployed but locally constituted projects that combine biological and economic logics to rationalize production and, in this case, fish. Politicians and managers use these projects and the models that justify them to rationalize fisheries in favor of modern technology and for capital and species efficiency. Aimed at a diverse interdisciplinary fisheries management readership, and designed as a guide to issues emerging in any assessment of ITQ, the book is a timely investigation of the origins and diverse experiences of ITQ projects, including resistance to them, attempts to develop fisheries management around them, and experiences of the risks that come with them.

47. 持続可能なシーフード管理

Governing Sustainable Seafood

(Series: Earthscan food and Agriculture)

Routledge - July 2017, 288 pages, Hardback
ISBN 9781138017542 ¥21,870

Taking a social science approach, this book explores the governance of sustainable seafood. The authors take into account the rise of social movements through environmental NGOs, the nature and perceived limits of government regulation within and beyond the state, and the promise of market-based approaches such as ecolabelling. It focuses on how concern over sustainable seafood has been translated

into different current forms of governance and assesses what alternative approaches are starting to emerge, as well as their effects. The book finishes with a vision for the future through key principles for evaluating the collective impact of governing sustainable seafood.

48. 有害藻類の異常発生と低酸素症

Harmful Algal Blooms and Hypoxia Assessments, Research Plan and Action Strategy

(Series: Environmental Health – Physical, Chemical and Biological Factors)

Edited by Roberta Alvarez

Nova Science - 2016, 172 pages, Hardcover
ISBN 9781634853996 **¥27,540**

Harmful algal blooms (HABs) and hypoxia (low-oxygen conditions) in the marine waters and freshwaters of the United States negatively impact resources across thousands of miles of the Nation's coastal and inland waters. Their prevalence and duration encompass scientifically complex and economically damaging aquatic issues. This book assesses threats posed by HABs and hypoxia and provides a comprehensive research plan and action strategy outlining Federal agencies' roles and responsibilities for evaluating and managing them

49. 地中海の水産物と二枚貝軟体動物の検査と管理

Inspection and Control of Mediterranean Fishery Products and Live Bivalve Mollusks

By Domenica Meloni

Nova Science - 2016, 117 pages, Softcover
ISBN 9781634851237 **¥20,190**

The fishery products and bivalve mollusks sector is certainly one of the most complex in term of sanitary and commercial topics, considering the high number of species that require a precise identification. For all these reasons, the knowledge and the skills in this field remain prerogative of a few experts on the subject and operators who, in time and for various reasons, have acquired specific knowledge and skills. On the other hand, the evolution of community legislation, and especially the growing worldwide interest for fishery products and bivalve mollusks, requires a common system of traceability and labeling aimed at increasing the transparency in commercial transactions, facilitating the identification of the fish and mollusks species and increasing consumer confidence. In this perspective, the proposed publication stands as an easy reference tool intended for all the stakeholders involved in the Mediterranean seafood chain, and in which some essential elements of the community rules relating to inspection and control of fishery products and bivalve mollusks are revealed. The presence of illustrations will represent a quick and easy way to acquire the essential information to identify the main Mediterranean fishery products and bivalve mollusks of commercial interest.

50. クラゲの生態学、分布パターン、人間との相互作用

Jellyfish Ecology, Distribution Patterns and Human Interactions

(Series: Fish, Fishing and Fisheries)

Edited by Gian Luigi Mariottini

Nova Science - March 2017, 383 pages,
Hardcover ISBN 9781634856881 **¥42,220**

This book aims to present an up-to-date view about the research on jellyfish by taking into account their ecological role, dynamics and distribution, health aspects and global implications connected to recurrent outbreaks, and the current and future prospects for utilization of these organisms in the fields of drug discovery, ecotoxicology and human nutrition.

51. レバノン沿岸の海藻

Marine Algae of the Lebanese Coast

(Series: Marine Biology)

By Hussein Kanaan & Oksana Belous

Nova Science - 2016, 140 pages, Softcover,
ISBN 9781536102116 **¥15,050**

The marine world is a universe in its own. It has its own rules of life and death, and many of its resources are still left undiscovered. Marine algae, although representing only a small part of the abundance of underwater species, contain important active ingredients which are becoming more and more exploited in medicine, pharmacology and nutrition. This book presents the results of a survey conducted along the Lebanese coast in order to determine the different algae species growing there. It gives a general overview of algae species, their modes of reproduction, contents in active ingredients and drying method importance as well as present medical, pharmaceutical and nutritional uses. It provides data on each of the discovered species, illustrated in high definition, along with information on locations and periods of growth. This book targets academics, researchers and curious readers, and it is still the only available reference on marine algae growing on the Lebanese coast.

52. 海洋底生生物

Marine Benthos Biology, Ecosystems Functions and Environmental Impact

(Series: Marine Biology)

Rafael Riosmena-Rodriguez

Nova Science - 2016, 301 pages, Hardcover
ISBN 9781634849302 **¥34,880**

Marine Benthos: Biology, Ecosystem Functions and Environmental Impact is a book dedicated to show a series of case studies about how benthic habitats are organized and how they function as a tool for any environmental impact studies. The present book documents how the natural condition of these communities is and aims to expand our present knowledge about their organization. The human population growth is driving a very strong pressure over coastal areas, and now more than ever we urgently need elements to evaluate environmental impacts. One of the most striking situations is the loss of biodiversity and the increase of invasive species who modify the trophic networks as well as the community structure. Many endangered species and species related to fisheries depend on the benthic habitat for their basic life cycle stages (reproduction, recruitment, nursery and feeding grounds) who might be impacted by natural and human induced causes. Ranging from species richness studies to population and community structure chapters, this book will bring the reader many options on how to measure environmental impacts. In particular, an analysis of how these environmental studies are made in Mexico provided a good example of how the present report base model is overdue and expresses the need for another approach. Keep in mind the present model does not take into account any statistical approach and is not mandatory in terms of the synergic and accumulative impacts; the lack of this consistency makes evaluation impossible to tell if the impacts are really happening.

53. ウミガメの生態学、行動、保護

Sea Turtles

Ecology, Behavior and Conservation

(Series: Marine Biology)

Candace Patterson

Nova Science - 2016, 185 pages, Hardcover

ISBN 9781634849814 ¥29,370

Modern marine turtles belong to an ancient group of reptiles inhabiting the Earth for over 110 million years, since the Cretaceous. Marine turtles depend on both marine and terrestrial habitats for their growth and development, from high energy beaches to benthic reefs, and the open waters of the seas. All seven species of sea turtles are listed on the International Union for Conservation of Nature (IUCN) Red List of Threatened Animals (IUCN 2011). The threats facing sea turtles are many, both on land and at sea, including habitat loss, predation, and human exploitation. This book examines the ecology, behavior and conservation efforts of sea turtles.

54. サメは芸術においてどう表現されてきたか

Sharks in the Arts

From Feared to Revered

(Series: Routledge Environmental Humanities)

Routledge - July 2017, 224 pages, Hardback

ISBN 9781138929661 ¥36,450

This book explores the many ways in which a wild creature has been absorbed, reimagined and represented across the ages in all of the major art forms. It begins with the four sharks at the top of global shark attack file from scientific, economic and environmental perspectives. It engages with cultural representations of sharks in poetry, drama, art, and advertising, in novels, screenplay adaptations and films. It argues that the conscious cultural representation of sharks in negative and positive ways impacts on the decisions made about real sharks in the wild. An increased understanding of sharks should lead to the development of better strategies for shark and human interaction.

55. 小規模漁業の社会的ウェルビーイングと価値

Social Wellbeing and the Values of Small-scale Fisheries

(MARE Publication Series, Volume 17)

Edited by **D. S. Johnson**, University of Manitoba, Winnipeg, MB, Canada; **T. G. Acott**, University of Greenwich, Old Royal Naval College, London, UK; **N. Stacey**, Charles Darwin University, Darwin, NT, Australia; & **J. Urquhart**, Imperial College, London, UK

Springer - July 2017, XII, 348 p. 38 illus., 21 illus. in color. Hardcover ISBN 9783319607498

¥19,040

This book advances discussions of values in fisheries by showing the rich theoretical insights and connections possible when value is grounded in a multi-dimensional social well-being approach. Questions of value have long been a central, if often unacknowledged, concern in maritime studies and in research on fisheries.

56. 幼魚生産の成功要因

Success Factors for Fish Larval Production

Wiley - Sept 2017, 500 pages, Hardback

ISBN 9781119072164 ¥41,310

Success Factors for Fish Larval Production is a vital resource that includes the most current understanding of larval biology, in the context of larval production. The text covers topics such as how external (environmental and nutritional) and internal (molecular/ developmental/ physiological/ behavioral/ genetic) factors interact in defining the phenotype and quality of fish larvae and juveniles. The expert contributors review broodstock genetics and husbandry, water quality, larval nutrition and feeding, growth physiology, health, metamorphosis, underlying molecular mechanisms, including epigenetics, for development, larval behavior and environmental conditions. Compiled by members of a European Union-funded consortium of top researchers, Success Factors for Fish Larval Production provides a wide-range of authoritative information for the aquaculture industry and academia.

海洋工学

57. 気候変動に適応するインフラ

Adapting Infrastructure to Climate Change

Advancing Decision-Making Under Conditions of Uncertainty

(Series: Routledge Advances in Climate Change Research)

By Todd Schenk

Routledge - June 2017, 240 pages, Hardback

ISBN 9781138194199 ¥36,450

Adapting Infrastructure to Climate Change draws on case studies of three coastal cities situated within very different governance regimes: Neo-corporatist Rotterdam, neo-pluralist Boston and semi-authoritarian Singapore. The book examines how infrastructure managers and other stakeholders grappling with complex and uncertain climate risks are likely to make project-level decisions in practice, and how more effective decision-making can be supported. The differences across governance regimes are currently unaccounted for in adaptation planning, but are crucial as best practices are devised. These lessons are also applicable to infrastructure planning and decision-making in other contexts.

58. コンピュータショナル船舶設計

Computational Ship Design

(Springer Series on Naval Architecture, Marine Engineering, Shipbuilding and Shipping, Volume 4)

By **M. Roh**, Seoul National University, Seoul; **K. Lee**, Seoul National University, Seoul

Springer - Aug 2017, 370 pages, 175 illus., 122 illus. in color. Hardcover ISBN 9789811048845

¥31,740

This book offers an introduction to the fundamental principles and systematic methodologies employed in computational approaches to ship design. It takes a detailed approach to the description of the problem definition, related theories, mathematical formulation, algorithm selection, and other core design information.

Over eight chapters and appendices the book covers the complete process of ship design, from a detailed description of design theories through to cutting-edge applications. Following an introduction to relevant terminology, the first chapters consider ship design equations and models, freeboard calculations, resistance prediction and power estimation. Subsequent chapters cover topics including propeller design, engine selection, hull form design, structural design and outfitting. The book concludes with two chapters considering

operating design and economic factors including construction costs and fuel consumption.

The book reflects first-hand experiences in ship design and R&D activities, and incorporates improvements based on feedback received from many industry experts. Examples provided are based on genuine case studies in the field. The comprehensive description of each design stage presented in this book offers guidelines for academics, researchers, students, and industrial manufactures from diverse fields, including ocean engineering and mechanical engineering. From a commercial point of view the book will be of great value to those involved in designing a new vessel or improving an existing ship.

59. オフショア構造物の動的解析と設計・第2版
Dynamic Analysis and Design of Offshore Structures, 2nd Edition

(Ocean Engineering & Oceanography, Vol 9)
by Srinivasan Chandrasekaran
Springer - Jan 2018, 330 pages, Hardcover
ISBN 9789811060885 **¥31,740**

This book introduces readers to various types of offshore platform geometries. It addresses the various environmental loads encountered by these structures, and provides detailed descriptions of the fundamentals of structural dynamics in a classroom style, helping readers estimate damping in offshore structures and grasp these aspects' applications in preliminary analysis and design. Basic concepts of structural dynamics are emphasized through simple illustrative examples and exercises. Design methodologies and guidelines, which are FORM based concepts, are explained through a selection of applied sample structures. Each chapter also features tutorials and exercises for self-learning. A dedicated chapter on stochastic dynamics helps students to extend the basic concepts of structural dynamics to this advanced domain of research. Hydrodynamic response of offshore structures with perforated members is one of the most recent research applications, and has proven to be one of the most effective means of retrofitting offshore structures. In addition, the book integrates the concepts of structural dynamics with the FORM-evolved design of offshore structures, offering a unique approach.

60. 海洋プラスチック汚染の管理

Management of Marine Plastic Debris

(Plastics Design Library) 1st Edition
by Michael Niaounakis

William Andrew - July 2017, 436 pages,
Hardcover ISBN 9780323443548 **¥45,900**

Management of Marine Plastic Debris gives a thorough and detailed presentation of the global problem of marine plastics debris, covering every aspect of its management from tracking, collecting, treating and commercial exploitation for handing this anthropogenic waste. The book is a unique, essential source of information on current and future technologies aimed at reducing the impact of plastics waste in the oceans. This is a practical book designed to enable engineers to tackle this problem—both in stopping plastics from getting into the ocean in the first place, as well as providing viable options for the reuse and recycling of plastics debris once it has been recovered.

The book is essential reading not only for materials scientists and engineers, but also other scientists involved in this area seeking to know more about the impact of marine plastics debris on the environment, the mechanisms by which plastics degrade in water and potential solutions. While much research has been undertaken into the different approaches to the increasing problem of plastics marine debris, this is the first book to present, evaluate and compare all of the available

techniques and practices, and then make suggestions for future developments. The book also includes a detailed discussion of the regulatory environment, including international conventions and standards and national policies.

61. 海上交通のためのモデリング、コンピューティング、データハンドリングの方法

Modeling, Computing and Data Handling Methodologies for Maritime Transportation

(Intelligent Systems Reference Library, Volume 131)

Edited by **C. Konstantopoulos**, University of Piraeus, Piraeus, Greece; & **G. Pantziou**, Technological Educational Institute of Athens, Athens, Greece

Springer - Sept 2017, Approx. 220 pages, 50 illus. in color. Hardcover ISBN 9783319618005 **¥24,340**

This book is one of very few in the maritime literature that solely focus on the latest developments in information technology (IT) methodologies in this field. It provides the reader with a concise overview of how IT can truly improve the efficacy of operations in the maritime industry. It consists of seven chapters that address a range of topics related to the synergy between Computer Science and Maritime Science. Specifically, Chapters 1 and 2 explore two important problems in maritime logistics pertaining to quayside operational planning, while Chapters 3 and 4 focus on maritime routing methodologies. Chapters 5 and 6 present decision-making support systems for safe shipping and port security. Last, Chapter 7 presents simulation methodologies for modeling maritime traffic.

The intended readership of the book spans both an academic audience and professionals in the areas of Operational Research, Transportation Science, and Maritime Science interested in applying IT methodologies in their areas of expertise.

62. 海洋エネルギー開発における挑戦

Ocean Energy

Governance Challenges for Wave and Tidal Stream Technologies

(Series: Earthscan Oceans)

Edited by Glen Wright, Sandy Kerr, & Kate Johnson
Routledge - Sept 2017, 288 pages, Hardback
ISBN 9781138668522 **¥23,080**

Energy from wave and tidal power is a key component of current policies for renewable sources of energy. This book provides the first comprehensive exploration for legal, economic, and social issues related to the emerging ocean energy industry, in particular wave and tidal energy technologies. While offshore wind energy, sited in the oceans but not strictly derived from the ocean, is not the primary focus of the book, there is also discussion of the similarities and differences between offshore wind and wave and tidal power policy dimensions.

63. オフショアエネルギーと海洋空間計画

Offshore Energy and Marine Spatial planning

(Series: Earthscan Oceans)

Routledge - Sept 2017, 320 pages, Hardback
ISBN 9781138954533 **¥21,870**

Offshore energy generation is a rapidly growing sector, competing for space in an already busy seascape. This book brings together the ecological, economic and social implications of the spatial conflict this growth entails. Covering all energy-generation types (wind, wave, tidal, oil, and gas). It explores the direct and indirect impacts the growth of offshore energy generation has on both the marine environment and the existing uses of marine space.

64. 海洋プラットフォームの統合とフロートオーバー工法

Offshore Platform Integration and Floatover Technology

(Springer Tracts in Civil Engineering)

By **G. Liu, Ocean**, University Of China , Qingdao, & **H. Li**, Ocean University of China , Qingdao

Springer - May 2017, 276 pages, Hardcover
ISBN 9789811036163 **¥31,740**

CONTENTS: Offshore Platform Topsides and Substructure.- Platform Integration and Stationing.- Floatover Technology.- Hideck Floatover Technology.- Unideck & Smartleg.- Catamaran Floatover.- Project Management & Planning.- Engineering Analysis and Model Test.- Operation Execution.- Evolution and New Source of Motivation.

65. 船体抵抗と推進

Ship Resistance and Propulsion Practical Estimation of Ship Propulsive Power 2nd Edition

By Anthony F. Molland, Stephen R. Turnock, & Dominic A. Hudson, University of Southampton
Cambridge U.P. - Sept 2017, Hardback

ISBN 9781107142060 **ca.¥18,350**

This second edition provides a comprehensive and scientific approach to evaluating ship resistance and propulsion. Written by experts in the field, it includes the latest developments in CFD, experimental techniques, and guidance for the practical estimation of ship propulsive power. It addresses the increasing emphasis on improving energy efficiency and reducing emissions, including the introduction of the Energy Efficiency Design Index (EEDI). The text also includes sufficient published standard series data for hull resistance and propeller performance to enable practitioners to make ship power predictions based on material and data within the book, and numerous fully worked examples illustrate applications for cargo and container ships, tankers, bulk carriers, ferries, warships, work boats, planing craft, yachts, hydrofoils, submarines and AUVs. The book is ideal for practicing naval architects and marine engineers, sea-going officers, small craft designers, undergraduate and postgraduate students, and professionals in transportation, transport efficiency and ec logistics.

66. 風力エネルギー工学

Wind Energy Engineering A Handbook for Onshore and Offshore Wind Turbines

by Trevor M. Letcher

Academic Pr. - May 2017, 622 pages, Hardcover
ISBN 9780128094518 **¥27,540**

Wind Energy Engineering: A Handbook for Onshore and Offshore Wind Turbines is the most advanced, up-to-date and research-focused text on all aspects of wind energy engineering. Wind energy is pivotal in global electricity

generation and for achieving future essential energy demands and targets. In this fast moving field this must-have edition starts with an in-depth look at the present state of wind integration and distribution worldwide, and continues with a high-level assessment of the advances in turbine technology and how the investment, planning, and economic infrastructure can support those innovations.

Each chapter includes a research overview with a detailed analysis and new case studies looking at how recent research developments can be applied. Written by some of the most forward-thinking professionals in the field and giving a complete examination of one of the most promising and efficient sources of renewable energy, this book is an invaluable reference into this cross-disciplinary field for engineers.

政治・経済・法律・その他

67. インド太平洋とベンガル湾における 21 世紀のハイボ
リティックス

21st Century High Politics in the Indo-Pacific and the Bay of Bengal

By Mohd Aminul Karim

Nova Science - June 2017, Hardcover ISBN
9781536108811 **¥17,440**

Contents: List of Figures. Preface. List of Abbreviations. Chapter 1. Introduction. Chapter 2. Concepts - Region and Sub-Region. Chapter 3. Relevant Theories and Their Applications. Chapter 4. Belt and Road Initiative (BRI) and Its Visualization. Chapter 5. China's Compulsions – China and India in the Broader Region. Chapter 6. China's Assertiveness Vis - À - Vis India's? Chapter 7. Bangladesh - Its Modest Maritime Strategy and Blue Economy. Chapter 8. Relevant Power's Involvement and Interests. Chapter 9. Geopolitical Ramifications and Reflections. References. About the Author. Index.

68. 援助評価と気候変動

Aid Performance and Climate Change

By Julian Caldecott

Routledge - April 2017, 260 pages, 8 B/W Illus.
Hardback: ISBN 9781138294462 **¥26,730**

Constraints to be overcome include limited understanding of the very complex systems that aid investments affect, and of the ecology behind climate change adaptation and mitigation. Aid Performance and Climate Change targets these problems and others, by explaining how to use multiple points of view to describe each aid investment as a complex system in its own unique context. With examples throughout, it reviews cases, ideas, and options for mitigation using technology and ecology, and for adaptation by preserving resilience and diversity, while exploring related priorities, treaties, and opportunities.

Combining an empirical, eye-witness approach with methodological conclusions, this book is an essential resource for those looking to improve aid design and evaluation, and will be a necessary tool in training the next generation of aid professionals to respond to the causes and consequences of climate change.

69. インド洋地域開発に関する年次報告2016

Annual Report on the Development of the Indian Ocean Region (2016) Modi's India

(Research Series on the Chinese Dream and China's Development Path)

R. Wang, & C. Zhu (eds)

Springer - May 2017, 234 pages, Hardcover
ISBN 9789811046926 **¥24,340**

Presents an annual report on the status quo in the Indian Ocean region. Offers a strategic review of India in 2015. Includes studies on the latest developments in Modi's India. This book focuses on international relations in the Indian Ocean region and covers many policy aspects of Modi's India. Written by leading scholars of international and Indian Ocean studies, this annual report includes both a strategic review and the major events and related data in this region.

70. アジア太平洋地域における安全保障の挑戦

Asia-Pacific Security Challenges

Managing Black Swans and Persistent Threats

(Advanced Sciences and Technologies for Security Applications)

Edited by **A. J. Masys**, University of Leicester, Leicester; & **L. S. Lin**, Washington, DC

Springer - August 2017, 326 pages, Hardcover
ISBN 9783319617282 **¥31,740**

This edited book examines the contemporary regional security concerns in the Asia-Pacific recognizing the 'Butterfly effect', the concept that small causes can have large effects: 'the flap of a butterfly's wings can cause a typhoon halfway around the world'. For many Asia-Pacific states, domestic security challenges are at least as important as external security considerations.

71. 海岸および海洋保護のための市民科学

Citizen Science for Coastal and Marine Conservation

Edited by John A. Cigliano, & Heidi L. Ballard

Routledge - Nov 2017, 320 pages, 91 B/W Illus.
Hardback: ISBN 9781138193192 **¥26,730**

In recent years, citizen science has emerged as a powerful new concept to enable the general public, students, and volunteers to become involved in scientific research. A prime example is in biodiversity conservation, where data collection and monitoring can be greatly enhanced through citizen participation. This is the first book to provide much needed guidance and case studies from marine and coastal conservation.

The novelty and rapid expansion of the field has created a demand for the discussion of key issues and the development of best practices. The book demonstrates the utility and feasibility, as well as limitations, of using marine and coastal citizen science for conservation, and by providing critical considerations (i.e., which questions and systems are best suited for citizen science), presents recommendations for best practices for successful marine and coastal citizen science projects.

A range of case studies, for example, on monitoring of seabird populations, invasive species, plastics pollution, and the impacts of climate change, from different parts of the world, is included. Also included are discussion on engaging youth, indigenous communities, and divers and snorkelers as citizen scientists, as well as best practices on communication within citizen science, building trust with stakeholders, and informing marine policy as part of this exciting and empowering way of improving marine and coastal conservation.

72. 気候適応政策とエヴィデンス

Climate Adaptation Policy and Evidence

Understanding the Tensions between Politics and Expertise in Public Policy

By Peter Tangney

Routledge - July 2017, 258 pages, Hardback:
ISBN 9781138284814 **¥36,450**

Evidence-based policymaking is often promoted within liberal democracies as the best means for government to balance political values with technical considerations. Under the evidence-based mandate, both experts and non-experts often assume that policy problems are sufficiently tractable and that experts can provide impartial and usable advice to government so that problems like climate change adaptation can be effectively addressed; at least, where there is political will to do so. This book compares the politics and science informing climate adaptation policy in Australia and the UK to understand how realistic these expectations are in practice.

73. 気候変動とコミュニケーション

Climate Change and Communication

Media, Emotion and Environmental Advocacy

(Series: Routledge Studies in Environmental Communication and Media)

Routledge - Aug 2017, 208 pages, Hardback
ISBN 9781138777491 **¥28,650**

This book offers a truly original understanding of the contemporary framework of political and media communications, particularly because the topic of climate change is one of the most critical socio-scientific issues facing our global society. Its principal objective is to explore the transformations which politics has undergone in recent decades through the mediation of environmental discourse and, in so doing, to advance current understandings of environmental advocacy and contemporary Western political culture.

74. 気候変動のコミュニケーションとインターネット

Climate Change Communication and the Internet

Edited by Nelya Koteyko, Brigitte Nerlich, & Iina Hellsten

Routledge - Dec 2016, 128 pages, Hardback:
ISBN 9781138223868 **¥24,300**

The volume provides a timely, state of the art collection of studies examining climate change communication in the era of digital media. The chapters focus on a broad range of topics covering various aspects of both practice and research in climate change communication, ranging from the use of online platforms, to blogs, and social networking sites. Climate change communication has increasingly moved into Internet-based forums, and this volume provides a comprehensive overview of research into Internet and climate change communication. The studies share valuable methodological insights in this relatively new field of research and shed light on the opportunities and challenges underlying the collection and analysis of online climate change-related data. This book was previously published as a special issue of Environmental Communication.

75. 気候変動、移民、人権

Climate Change, Migration and Human Rights

Law and Policy Perspectives

Edited by Dimitra Manou, Andrew Baldwin, Dug Cubie, Anja Mihr, & Teresa Thorp

Routledge - May 2017, 268 pages, 3 B/W Illus
Hardback, ISBN 9781138655942 **¥28,650**

Drawing together experts in this field, *Climate Change, Migration and Human Rights* offers a fresh perspective on human rights law and policy issues in the climate change regime by examining the interrelationships between various aspects of human rights, climate change and migration. Three key themes are explored: understanding the concepts of human dignity, human rights and human security; the theoretical nexus between human rights, climate change and migration or displacement; and the practical implications and challenges for lawyers and policy-makers of protecting human dignity in the face of climate change and displacement. The book also includes a series of case studies from Alaska, Bangladesh, Kenya and the Pacific islands which aim to improve our understanding of the theoretical and practical implications of climate change for human rights and migration.

76. 環境コミュニケーションと批判的海岸政策

Environmental Communication and Critical Coastal Policy

Communities, Culture and Nature

(Series: Routledge Studies in Environmental Communication and Media)

Routledge - July 2017, 808 pages, Hardback
ISBN 9781138797543 **¥36,450**

The vast majority of the world's population lives on or near the coast. These communities are an extraordinary and largely untapped resource that can be used to mitigate planetary disaster and foster environmental stewardship. Repeated waves of scientific fact and information are not inciting action, nor apparently producing enough momentum to change voting behaviour towards a progressive environmental politics. A critical coastal policy, underpinned by a deeper understanding of environmental communication, can offer something new to this status quo.

77. 気候変動と海岸ツーリズム

Global Climate Change and Coastal Tourism

Recognizing Problems, Managing Solutions and Meeting Expectations

Edited by Andrew Jones & Michael Phillips, Swansea Metropolitan University, UK

CABI International - Oct 2017, 256 pages, Hardback
ISBN 9781780648439 **¥28,650**

Climate Change and Coastal Tourism includes case studies on climate change and coastal tourism that explore current threats to, and consequences of, climate change on existing tourism coastal destinations. It assesses management and policy options for the future sustainability of threatened tourism coastal destinations. The cases discussed are from all regions of the world - Europe - The Americas - Asia - Africa - Australasia and synthesise findings to make recommendations that can be used to promote strategies that ameliorate projected impacts of climate change on coastal tourism infrastructure - and in turn promote the future sustainability of coastal tourism destinations.

78. インドの海 – 中国とインドは共存できるか？

India's Ocean Can China and India Coexist?

(Research Series on the Chinese Dream and China's Development Path)

C. Zhu, Yunnan University of Finance and Economics, Kunming, China

Springer - Sept 2017, 189 pages, Hardcover
ISBN 9789811057250 **¥24,340**

CONTENTS: Introduction.- General Situation of the Indian Ocean.- Turbulence of the Indian Ocean.- Game of the Great Powers in Indo-Pacific Ocean.- Achievements and Challenges of India's 'Great Power' Dream.- Indian Ocean and China's Economic Security.- Economic Development Prospects of Indo-Pacific Region.

79. 気候変動対応のための制度的能力

Institutional Capacity for Climate Change Response

A new approach to climate politics

Edited by Theresa Birgitta Brønnum Scavenius & Steve Rayner

Routledge - Sept 2017, 216 pages, Hardback:
ISBN 9781138120983 **¥28,650**

The term "institutional response capacity" can be defined as a measurement for how effective political institutions may respond to threats and challenges such as climate change. This book sets out to provide a venue for the discussion of how to conduct climate politics by offering new perspectives on how social and political institutions are capable of responding to climate change. In doing so, the book explores how democracy, institutional design and polycentric governance influence social and political entities' capacity to mitigate, adapt, address and transform climate change. The book offers building blocks for a new agenda of climate studies by focusing on institutional response capacity and by offering a new approach to climate governance at a time when many political initiatives have failed.

80. 生物多様性および生態系サービスに関する政府間科学政策プラットフォーム

The Intergovernmental Platform on Biodiversity and Ecosystem Services (IPBES)

Meeting the challenge of biodiversity conservation and governance

Edited by Marie Hrabanski, & Denis Pesche

Routledge - Oct 2016, 254 pages, 21 B/W Illus.
Hardback: ISBN 9781138121256 **¥26,730**

Twenty years after the Convention on Biological Diversity (CBD) entered into force, the founding of the Intergovernmental Platform on Biodiversity and Ecosystem Services (IPBES) in 2012 was the outcome of a long process of setting biodiversity issues at the top of the global environmental agenda. With contributions from more than a dozen well-renowned researchers in political science, law and sociology, this book analyzes IPBES functioning and challenges in terms of the knowledge selection process and actors involved.

81. 気候変動に関する国際法

International Climate Change Law

By Daniel Bodansky, Jutta Brunnée, and Lavanya Rajamani

Oxford U.P. - May 2017, 416 pages, Hardback
ISBN 9780199664290 **¥19,440**

This textbook, by three experts in the field, provides a comprehensive overview of international climate change law. Climate change is one of the fundamental challenges facing the world today, and is the cause of significant international concern. In response, states have created an international climate regime. The treaties that comprise the regime - the 1992 United Nations Framework Convention on Climate Change, the 1997 Kyoto Protocol and the 2015 Paris Agreement establish a system of governance to address climate change and its impacts. This book provides a clear analytical guide to the climate regime, as well as other relevant international legal rules.

The book begins by locating international climate change law within the broader context of international law and international environmental law. It considers the evolution of the international climate change regime, and the process of law-making that has led to it. It examines the key provisions of the Framework Convention, the Kyoto Protocol and the Paris Agreement. It analyses the principles and obligations that underpin the climate regime, as well as the elaborate institutional and governance architecture that has been created at successive international conferences to develop commitments and promote transparency and compliance. The final two chapters address the polycentric nature of international climate change law, as well as the intersections of international climate change law with other areas of international regulation.

This book is an essential introduction to international climate change law for students, scholars and negotiators.

82. 海事クラスターと海洋経済

Maritime Clusters and the Ocean Economy

An Integrated Approach to Managing Coastal and Marine Space

(Series: Earthscan Oceans)

By Peter B. Myles

Earthscan/Routledge - Sept 2017, 264 pages,
15 B/W Illus, Hardback ISBN 9781138182882

¥23,080

Over the last decade the concept of clustering has become a central idea for analyzing the competitiveness of nations, industries and firms. This book shows how the cluster concept can be usefully applied to the study of maritime activities. Such activities, including shipping, shipbuilding and port and maritime services, are clearly geographically concentrated in a number of maritime clusters. However, as the author shows, these are having to compete with other uses of the coasts and oceans including capture fisheries, marine aquaculture, offshore energy and tourism. Sound governance and planning is therefore required to manage the competing claims for ocean space. The book shows how competing industries and other stakeholders can cooperate and benefit from an integrated approach to the development of maritime clusters. The contribution of approaches such as integrated coastal zone management and innovations such as ocean business councils, as well as co-ordinated networks of maritime clusters are reviewed. Case studies are included from around the world, including detailed examples of the development of the Nelson Mandela Bay Maritime Cluster in South Africa and from Poland in the Baltic Sea.

83. オックスフォード海洋法ハンドブック／ペーパー版
The Oxford Handbook of the Law of the Sea

Edited by Donald R. Rothwell, Alex G. Oude Elferink,
Karen N. Scott, and Tim Stephens

Oxford U.P. - Mar 2017, 1072 pages, Paperback
ISBN 9780198806257 **¥8,460**

Human activities have taken place in the world's oceans for most of human history. With the oceans being used for trade, being exploited for fisheries and mineral resources extraction, and becoming the focal point for security crises, the legal regime regulating the rights and responsibilities of nations in their use of the world's oceans has long been a crucial part of international law. The United Nations Convention on the Law of the Sea comprehensively defined the parameters of the law of the sea in 1982, and since the Convention was concluded it has seen considerable development. This Oxford Handbook provides a comprehensive and original analysis of its current debates and controversies, both theoretical and practical. Written by thirty nine expert contributors, the Handbook sets out how the law of the sea has developed, and the challenges it is currently facing. It is an invaluable and thought-provoking resource for scholar, students, and practitioners of the law of the sea.

84. 気候変動に関するパリ協定

The Paris Agreement on Climate Change

Analysis and Commentary

Edited by Daniel Klein, María Pía Carazo, Meinhard Doelle, Jane Bulmer, and Andrew Higham

Oxford U.P. - July 2017, 464 Pages, 246x171mm
Hardback ISBN 9780198789338 **¥19,440**

The most important climate agreement in history, the Paris Agreement on Climate Change represents the commitment of the nations of the world to address and curb climate change. Signed in December 2015, it will come into force on the 4th November, and efforts toward fulfilling its ambitious goals are already under way.

The Paris Climate Agreement: Commentary and Analysis combines a comprehensive legal appraisal and critique of the new Agreement with a practical and structured commentary to all its Articles. Part I discusses the general context for the Paris Agreement, detailing the scientific, political, and social drivers behind it, providing an overview of the pre-existing regime, and tracking the history of the negotiations. It examines the evolution of key concepts such as common but differentiated responsibilities, and analyses the legal form of the Agreement and the nature of its provisions. Part II comprises individual chapters on each Article of the Agreement, with detailed commentary of the provisions which highlights central aspects from the negotiating history and the legal nature of the obligations. It describes the institutional arrangements and considerations for national implementation, providing practical advice and prospects for future development. Part III reflects on the Paris Agreement as a whole: its strengths and weaknesses, its potential for further development, and its relationship with other areas of public international law and governance.

The book is an invaluable resource for academics and practitioners, policy makers, and actors in the private sector and civil society, as they negotiate the implementation of the Agreement in domestic law and policy.

85. 効果的環境管理のための参加

Participation for Effective Environmental Governance Evidence from Implementing the European Water framework Directive

(Series: Earthscan Studies in Water Resource Management)

Routledge - Sept 2017, 224 pages, Hardback
ISBN 9781138713291 **¥23,080**

Drawing on evidence from implementation of the European Water Framework Directive (WFD) in eight case studies (from Germany, Spain and the United Kingdom), this book examines a range of approaches to participatory river basin management planning, and considers whether and how participation impacted on the environmental standard of planning documents, quality of implementation, and social outcomes.

86. 生物多様性と法律に関するハンドブック

Routledge Handbook of Biodiversity and the Law

Edited by Charles R McManis & Burton Tze En ong
Routledge - Sept 2017, 512 pages, Hardback
ISBN 9781138693302 **¥40,090**

This volume provides a comprehensive compilation of multifaceted perspectives on the legal issues arising from the conservation and exploitation of non-human biological resources. Contributors include leading academics, policy-makers and practitioners reviewing a range of socio-legal issues concerning the relationships between humankind and the natural world, including intellectual property, biotechnology and traditional knowledge.

87. 人権と気候管理に関するハンドブック

Routledge Handbook of Human Rights and Climate Governance

Edited by Sébastien Duyck, Sébastien Jodoin, Alyssa Johl

Routledge - Nov 2017, 368 pages, Hardback
ISBN 9781138232457 **¥40,090**

This book brings together leading scholars and practitioners to offer a timely and comprehensive analysis of the opportunities and challenges for integrating human rights in diverse areas and forms of global climate governance. The first half of the book explores how human rights principles and obligations can be used to reconceive climate governance and shape responses to particular aspects of climate change. The second half of the book identifies early lessons in the integration of human rights in climate advocacy and governance and sets out future directions in this burgeoning domain.

88. インド海岸域の持続可能性

Sustainability Conflicts in Coastal India

Hazards, Changing Climate and Development Discourses in the Sundarbans

(Advances in Asian Human-Environmental Research)

By **A. Ghosh**, South Asia Institute, University of Heidelberg, Heidelberg, Germany

Springer - Sept 2017, Approx. 250 pages, 50 illus. in color. Hardcover ISBN 9783319638911 **¥24,340**

This multidisciplinary work analyses challenges to sustainable development amidst rapidly changing climate in the world's largest delta – the Sundarbans. Empirical evidence unpacks grounded vulnerabilities and reveals their temporal socio-economic impacts. A novel concept of 'everyday disasters' is proposed – supported by data and photographic evidence – that contests institutional disaster definition. Then it uncovers how the geopolitics of ecological governance and its hegemonic discourse dominate local policies, which in turn fail to address local socio-ecological concerns, adaptation needs and development aspirations. Absence of local vocabularies, cognitive values and socio-cultural contexts along with spatially constricted, exclusionary, top-down techno-science approaches further escalate knowledge-action gaps. Deconstruction of multiscale conflicts between the global rhetoric and transformative postcolonial geographies offers an ethical, Southern perspective of sustainability.



有限会社 **ブックマン**

〒113-0033

東京都文京区本郷3丁目 4-8-501

Tel 03-5684-0561 Fax 03-5684-0562

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Tel 052-740-1829

Fax 052-782-4771

chubu@e-bookman.co.jp

広島海外棟

Tel 082-236-3522

Fax 082-236-3530

books@dear.ne.jp

福岡海外棟

Tel 092-741-2685

Fax 092-741-8418

fkaigai@lime.ocn.ne.jp