Globalized Poverty and Environment
21st Century Challenges and Innovative Solutions

This book reviews the key conceptions and economic theories of poverty, explains poverty-environment nexus, and finally offers innovative socio-economic and scientific geospatial solutions for the 21st Century.

Features

- Critical look at poverty, income inequality and environment
- Theoretical Framework for analyzing poverty
- Package of multi-sectoral policy interventions to eradicate and manage poverty

Contents


Fields of interest

Environmental Management; Development Economics; Public Finance & Economics

Target groups

Research

Product category

Monograph

K. v. Beyme, Universität Heidelberg, Heidelberg, Germany

Klaus von Beyme

Pioneer in the Study of Political Theory and Comparative Politics

Klaus von Beyme, a highly distinguished German political scientist, has been recognised as a "Pioneer in the Study of Political Theory and Comparative Politics". When he received the highly esteemed Matti Dogan Award during the XXII World Congress of Political Science in Madrid on 12 July 2012, in his laudatio Rainer Eisfeld portrayed Klaus v. Beyme as a "Global Scholar and Public Intellectual". On the occasion of Klaus v.

Features

- Most distinguished and highly awarded German political scientist
- Global pioneer in the study of political theory and comparative politics
- Addresses the political scientist as global scholar and public intellectual

Contents


Fields of interest

Environmental Law/Policy/Ecojustice; Methodology of the Social Sciences; Political Science, general

Target groups

Research

Product category

Brief

Environmental Issues in Automotive Industry

The automotive industry is one of the most environmental aware manufacturing sectors. Product take-back regulations influence design of the vehicles, production technologies but also the configuration of automotive reverse supply chains.

Features

- Highlights the emerging trends in automotive industry regarding fulfilment of sustainable development policy
- Provides a practical application of tools and methods for solving business practice problems
- A holistic view of the life cycle management in automotive industry

Contents

Sustainability in automotive industry - Environmental friendly practices in the automotive industry - A declarative approach to new product development in the automotive industry - What is influencing the sustainable attitude of the automobile industry - Sustainability Issues for Vehicles and Fleet Vehicles Using Hybrid and Assistive Technologies - Tools and methods for greener decision making - Diagnostics systems as a tool to reduce and monitor gas emissions from combustion engines - Reachability of multimodal processes cyclic steady states space - Decision support in automotive supply chain management - declarative and operational research approach - The Design and the Improvement of Reverse Logistics for Discarded Tires in Japan - Recovery of end-of-life vehicles

Fields of interest

Environmental Engineering/Biotechnology; Sustainable Development; Production/Logistics; Supply Chain Management

Target groups

Research

Product category

Monograph
M. A. Khan, University of Karachi Inst. Sustainable Halophyte Utilization, Karachi, Pakistan; B. Böer, UNESCO Doha, Doha, Qatar; M. Öztürk, Ege University Center for Environmental Studies, Bornova, Izmir, Turkey; T. Z. Al Abdessalaam, Environmental Agency, Abu Dhabi (EAD) Marine Environment Research Centre, Abu Dhabi, Utd Arab. Emir.; M. Klüsener-Godt, UNESCO Headquarters, Natural Sciences Se, Paris Cedex 15, France; B. Gul, University of Karachi, Karachi, Pakistan (eds)

Sustainable Cities and Military Installations

Contents

Fields of interest
Sustainable Development; Renewable and Green Energy; Security Science and Technology

Target groups
Graduate

Product category
Proceedings

Due August 2013

Softcover
2014. XVI, 400 p. 74 illus., 59 in color. (NATO Science for Peace and Security Series C: Environmental Security)
► approx. $129.00
ISBN 978-94-007-7172-7

Hardcover
2014. XVI, 400 p. 74 illus., 59 in color. (NATO Science for Peace and Security Series C: Environmental Security)
► $229.00
ISBN 978-94-007-7160-4

Due September 2013

2014. VII, 359 p. 113 illus., 77 in color. Hardcover
► $259.00

Due October 2013

2014. Approx. 300 p. 75 illus. (Tasks for Vegetation Science, Volume 47) Hardcover
► approx. $189.00
ISBN 978-94-007-7410-0
**Study on Heterotrophic-Autotrophic Denitrification Permeable Reactive Barriers (HAD PRBs) for In Situ Groundwater Remediation**

“Study on Heterotrophic-Autotrophic Denitrification Permeable Reactive Barriers (HAD PRBs) for In Situ Groundwater Remediation” is an unmatched reference work on PRBs for groundwater in situ remediation. It proposes a novel HAD PRB approach for nitrate-contaminated groundwater remediation, and provides a systematic and clear explanation of design concepts and denitrification mechanisms. The book consists of four chapters, each of which covers key aspects of HAD PRBs. It provides rich, easy-to-follow illustrations, tables and references.

### Contents
- General introduction.- Heterotrophic-autotrophic denitrification (HAD) for groundwater remediation in an aerobic environment.- Heterotrophic-autotrophic denitrification permeable reactive barriers (HAD PRBs) for groundwater remediation.- Identification of bacterial diversity in the inoculums.

### Fields of interest
- Waste Water Technology / Water Pollution Control / Water Management / Aquatic Pollution; Environmental Engineering/Biotechnology; Environmental Science and Engineering

### Target groups
- Research

### Product category
- Brief

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**Climate in Asia and the Pacific Security, Society and Sustainability**

Commissioned by the Intergovernmental Meeting (IGM) of the Asia-Pacific Network for Global Change Research (APN), this book offers a detailed survey of the current status of climate change and climate variability in the Asia-Pacific region, a thorough and thoughtful assessment of climate and security and clear recommendations on the best paths of climate research in the future.

### Contents

### Fields of interest
- Climate Change; Earth System Sciences; Sustainable Development

### Target groups
- Graduate

### Product category
- Contributed volume

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**Assessment of Environmental Impact by Grocery Shopping Bags**

An Eco-Functional Approach

### Features
- First dedicated book pertaining to grocery shopping bags
- Highlights the eco-functional considerations along with the eco-functional framework
- Also highlights consumer behaviour and eco-impacts
- Discusses the functionality aspect of different grocery shopping bags along with their eco-impacts
- First descriptive book to review the manufacturing processes of shopping bags, giving a cross country description of consumption of different shopping bags, and the end-of-life stages of shopping bags

### Contents
- Basic introduction to shopping bags and eco-functional assessment of shopping bags
- Manufacturing processes of grocery shopping bags
- Life cycle assessment of grocery shopping bags
- Functionality assessment of shopping bags
- Consumption behaviour of shopping bags in various countries: Consumption and eco-impact
- End-of-life assessment of grocery shopping bags
- Eco-functional assessment of grocery shopping bags
- Conclusions

### Fields of interest
- Environmental Engineering/Biotechnology; Production/Logistics/Supply Chain Management; Sustainable Development

### Target groups
- Professional/practitioner

### Product category
- Monograph
Reviews of Environmental Contamination and Toxicology
Continuation of Residue Reviews

Volume 227
D. M. Whitacre, Summerfield, NC, USA (Ed)

Reviews of Environmental Contamination and Toxicology,
Volume 227
Reviews of Environmental Contamination and Toxicology attempts to provide concise, critical reviews of timely advances, philosophy and significant areas of accomplished or needed endeavor in the total field of xenobiotics, in any segment of the environment, as well as toxicological implications.

Fields of interest
Ecotoxicology; Environmental Management; Waste Management/Waste Technology

G. Schneier-Madanes, GDR CNRS 2524 Res-Eau-Ville, Paris, France (Ed)

Globalized Water
A Question of Governance

Contents

Fields of interest
Sustainable Development; Political Science, general; Economics/Management Science, general

Due August 2013
$54.99
ISBN 978-3-642-39563-5

Due September 2013
2014. XL, 145 p. 10 illus. Hardcover
$129.00
ISBN 978-3-319-01326-8

Due September 2013
2014. Approx. 400 p. Hardcover
$179.00
ISBN 978-94-007-7322-6
United Arab Emirates Keys to Soil Taxonomy

Central to human life and civilization, soils are an integral part of the physical and cultural environment. Although we may take them for granted, the rise and fall of civilizations is closely linked with the use and abuse of soil and water resources. It is therefore important to evaluate soils for their quality and link them to appropriate uses and services. This book provides information on soil classification and shows how to key out taxa relevant to UAE soils.

Features
► Provides a unique key for classifying soils of the United Arab Emirates
► Goes beyond USDA soil classification keys to include specialized criteria for UAE soils
► Includes a mechanism for updating current surveys and correlating information from new surveys

Contents
1 Soil Classification.- 2 The Soils That We Classify.- 3 Horizons, Layers, and Characteristics Diagnostic for the Higher Categories.- 4 Family and Series Differentiae.- 5 Identification of the Taxonomic Class of a Soil.- 6 Laboratory Methods for Classification of United Arab Emirates.- 7 Soil Families and Soil Series of the United Arab Emirates.- Index.

Fields of interest
Soil Science & Conservation; Landscape/Regional and Urban Planning; Environmental Science and Engineering

Target groups
Professional/practitioner

Product category
Monograph

Eels and Humans

This book explains much of what is known currently about freshwater eels, focusing on social and cultural aspects as well as science. A wealth of eel-related material is presented by scientists from around the world, including information on eel fishing, resources, distribution, aquaculture, economics, cuisine, environment and ecosystems, idioms, arts and crafts, tradition, legends, mythology, archaeology and even memorial services.

Features
► The first book to cover all aspects of eel-related sciences, i.e., cultural, social and natural sciences
► Comparisons of eel-related topics among countries show the historical link between eels and humankind
► The comprehensive understanding of eels developed in the book will lead to enhanced understanding of the need for conservation of endangered eels

Contents

Fields of interest
Marine & Freshwater Sciences; Fish & Wildlife Biology & Management; Freshwater & Marine Ecology

Target groups
Research

Product category
Contributed volume

Coastal Saline Soil Rehabilitation and Utilization Based on Forestry Approach in China

The most recent advances in research on coastal saline soil rehabilitation and utilization based on forestry approach are discussed.

Features
► First book to discuss coastal saline soil rehabilitation and utilization based on forestry approach in China
► Discusses various topics including wetland degradation, saline soil amelioration, vegetation rebuilding, and biomass production
► Offers tree species selection, site evaluation and tree planting techniques

Contents

Fields of interest
Soil Science & Conservation; Forestry; Environmental Engineering/Biotechnology

Target groups
Research

Product category
Monograph