

Environmental Sciences | Earth Sciences & Geography

Spring 2014 - Title Selection

Springer Rights and Permissions

permissions.heidelberg@springer.com

Tiergartenstr. 17

69121 Heidelberg

Germany

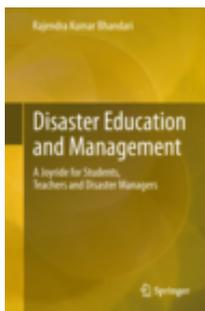


Springer

SPRING 2014 – Title Selection

Environmental Sciences | Earth Sciences & Geography

978-81-322-1565-3	Bhandari	Disaster Education and Management	A Joyride for Students, Teachers and Disaster Managers
978-3-319-04875-8	Capela Lourenço	Adapting to an Uncertain Climate	Lessons From Practice
978-94-007-7849-8	Gattinoni	Engineering Geology for Underground Works	
978-81-322-1538-7	Jain	Fundamentals of Physical Geology	
978-981-4560-19-1	Muthu	Assessment of Environmental Impact by Grocery Shopping Bags	An Eco-Functional Approach
978-981-4560-40-5	Muthu	Assessment of Carbon Footprint in Different Industrial Sectors, Volume 1	
978-94-007-7514-5	Peterson	Climate Change and United States Forests	
978-94-007-7959-4	Rannow	Managing Protected Areas in Central and Eastern Europe Under Climate Change	
978-3-642-38799-9	Sen	Petrology	Principles and Practice
978-94-007-7419-3	Shahid	United Arab Emirates Keys to Soil Taxonomy	
978-4-431-54621-4	Tanimoto	Mathematical Analysis of Environmental System	



R.K. Bhandari

Disaster Education and Management

A Joyride for Students, Teachers and Disaster Managers

The book is expressly written for the young minds because they are our best hope for a safer tomorrow. The book is profusely illustrated, as it offers a joyride to the world of the whole range of hazards through simplified teaching-learning process, with less of teaching and more of learning. This is because most readers would love to learn without actually being taught. The book is designed to take advantage of distilled wisdom of centuries to inspire and enlighten the common man to turn them into prime movers of safer societies. Senior citizens, community leaders, self-trained disaster managers, social workers, media personnel, bureaucrats and those averse to the very thought of[...]

More on www.springer.com/978-81-322-1565-3

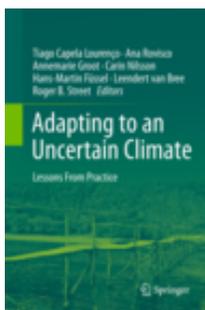
Hardcover

2014. XXVIII, 349 p. 301 illus.

► **139,09 €**

ISBN 978-81-322-1565-3

gewöhnlich versandfertig in 3-5 Werktagen



T. Capela Lourenço, A. Rovisco, A. Groot, C. Nilsson, H.-M. Füssel, L. Bree, R.B. Street (Eds.)

Adapting to an Uncertain Climate

Lessons From Practice

Climate change highlights the challenges for long-term policy making in the face of persistent and irreducible levels of uncertainties. It calls for the development of flexible approaches, innovative governance and other elements that contribute to effective and adaptive decision-making. Exploring these new approaches is also a challenge for those involved in climate research and development of adaptation policy. The book provides a dozen real-life examples of adaptation decision making in the form of case studies:- Water supply management in Portu-

gal, England and Wales and Hungary- Flooding, including flood risk in Ireland, coastal flooding and erosion in Southwest[...]

More on www.springer.com/978-3-319-04875-8

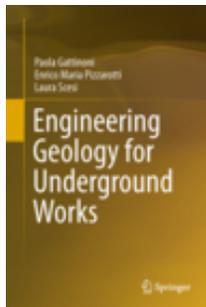
Hardcover

2014. X, 203 p. 38 illus. in color.

► **106,99 €**

ISBN 978-3-319-04875-8

Erscheinungstermin: March 5, 2014



P. Gattinoni, E. Pizzarotti, L. Scesi

Engineering Geology for Underground Works

The construction of tunnels involves the resolution of various complex technical problems depending on the geological and geological-environmental context in which the work fits. Only a careful analysis of all the geological and geological-environmental issues and a correct reconstruction of the conceptual model can lead to optimal design solutions from all points of view (including financial) and ensure the safety of workers during the construction and users in the operation phase. It was therefore felt that there was a need to collect in one volume the state of current knowledge about: all the geological and environmental issues related to the construction of underground works the[...]

More on www.springer.com/978-94-007-7849-8

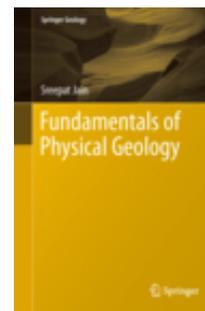
Hardcover

2014. XIII, 303 p. 488 illus., 170 illus. in color.

► **139,09 €**

ISBN 978-94-007-7849-8

Erscheinungstermin: February 19, 2014



S. Jain

Fundamentals of Physical Geology

Physical Geology is a vast subject and it is not possible to cover all aspects in one book. This book does not invent the wheel but merely put together sets of updated but concise material on Physical Geology with lots of illustrations. All illustrations are created by hand and give a real classroom feel to the book. Students or readers can easily reproduce them by hand. This is a book, where a diagram says it all. The book is divided into four parts. The first part "The Solar System and Cosmic Bodies" deals with elements of our Solar System and the cosmic bodies around it (like meteorites, asteroids, etc.). The second part "The Earth Materials" deals with Earth and its internal[...]

More on www.springer.com/978-81-322-1538-7

Hardcover

2014. XX, 488 p. 211 illus. (Springer Geology)

► **139,09 €**

ISBN 978-81-322-1538-7

gewöhnlich versandfertig in 3-5 Werktagen



S.S. Muthu, Y. Li

Assessment of Environmental Impact by Grocery Shopping Bags

An Eco-Functional Approach

This book reviews the manufacturing processes of different shopping bags used for grocery purposes, life cycle impacts, modelling of life cycle impacts, carbon and eco-footprints in different countries, consumption of shopping bags in different countries, consumer behaviour of shopping bags in various countries and its relation to eco-impact, assessment of functionality of shopping bags, concept and framework of eco-functional assessment of shopping bags, biodegradation of shopping bags, etc.

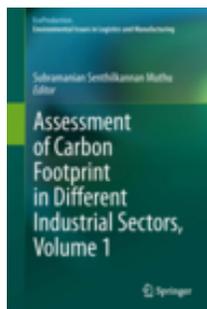
More on www.springer.com/978-981-4560-19-1

Hardcover

2014. XI, 162 p. 35 illus., 16 illus. in color. (EcoProduction)

► **106,99 €**

ISBN 978-981-4560-19-1

gewöhnlich versandfertig in 3-5 Werktagen

S.S. Muthu (Ed.)

Assessment of Carbon Footprint in Different Industrial Sectors, Volume 1

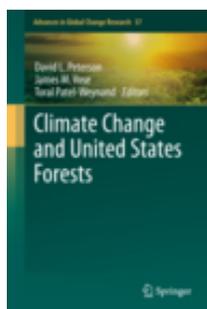
Carbon footprint is one of the important environmental impacts, which has received greater attention from the public, government and media. It is one of the important topics of even any government's agenda as well and every nation is trying its best to reduce its carbon footprint to the maximum possible extent. Every company would like to reduce the carbon footprint of its products and consumers are looking for the products which emit lower carbon emissions in their entire life cycle. Assessment of Carbon footprint for different products, processes and services and also carbon labelling of products have become familiar topics in the recent past in various industrial sectors. Every[...]

More on www.springer.com/978-981-4560-40-5**Hardcover**

2014. VIII, 292 p. 89 illus., 74 illus. in color. (EcoProduction)

► **106,99 €**

ISBN 978-981-4560-40-5

gewöhnlich versandfertig in 3-5 Werktagen

D.L. Peterson, J.M. Vose, T. Patel-Weynand (Eds.)

Climate Change and United States Forests

This volume offers a scientific assessment of the effects of climatic variability and change on forest resources in the United States. Derived from a report that provides technical input to the 2013 U.S. Global Change Research Program National Climate Assess-

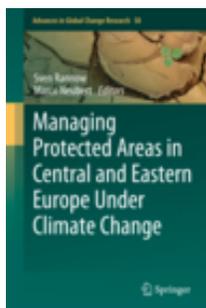
ment, the book serves as a framework for managing U.S. forest resources in the context of climate change. The authors focus on topics having the greatest potential to alter the structure and function of forest ecosystems, and therefore ecosystem services, by the end of the 21st century. Part I provides an environmental context for assessing the effects of climate change on forest resources, summarizing changes in environmental[...]

More on www.springer.com/978-94-007-7514-5**Hardcover**

2014. XXXII, 261 p. 54 illus., 38 illus. in color. (Advances in Global Change Research, Band 57)

► **106,99 €**

ISBN 978-94-007-7514-5

gewöhnlich versandfertig in 3-5 Werktagen

S. Rannow, M. Neubert (Eds.)

Managing Protected Areas in Central and Eastern Europe Under Climate Change

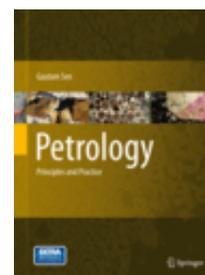
Beginning with an overview of data and concepts developed in the EU-project HABIT-CHANGE, this book addresses the need for sharing knowledge and experience in the field of biodiversity conservation and climate change. There is an urgent need to build capacity in protected areas to monitor, assess, manage and report the effects of climate change and their interaction with other pressures. The contributors identify barriers to the adaptation of conservation management, such as the mismatch between planning reality and the decision context at site level. Short and vivid descriptions of case studies, drawn from investigation areas all over Central and Eastern Europe, illustrate both the[...]

More on www.springer.com/978-94-007-7959-4**Hardcover**

2014. XXV, 308 p. 77 illus., 33 illus. in color. (Advances in Global Change Research, Band 58)

► **106,99 €**

ISBN 978-94-007-7959-4

gewöhnlich versandfertig in 3-5 Werktagen

G. Sen

Petrology Principles and Practice

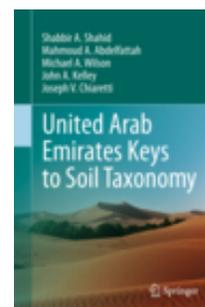
This undergraduate textbook on the key subject of geology closely follows the core curriculum adopted by most universities throughout the world and is a must for every geology student. It covers all aspects of petrology, including not only the principles of petrology but also applications to the origin, composition, and field relationships of rocks. Although petrology is commonly taught in the junior year, this book is a useful resource for graduate students as well.

More on www.springer.com/978-3-642-38799-9**Hardcover**

2014. VII, 368 p. 377 illus., 102 illus. in color.

► **74,89 €**

ISBN 978-3-642-38799-9

Versandfertig innerhalb von 3 Tagen.

S.A. Shahid, M.A. Abdelfattah, M.A. Wilson, J.A. Kelley, J.V. Chiaretti

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. The latest soil inventory of United Arab Emirates reveals that a rather uniform looking desert landscape has, in fact, a diversity of subsurface features. These features confirm the soil diversity in terms of[...]

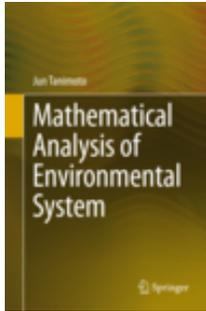
More on www.springer.com/978-94-007-7419-3**Hardcover**

2014. XXXIV, 108 p. 81 illus. in color.

► **106,99 €**

ISBN 978-94-007-7419-3

gewöhnlich versandfertig in 3-5 Werktagen



J. Tanimoto

Mathematical Analysis of Environmental System

This book is for all graduate students who are specializing in any environmental issue and who wish to grasp the fundamentals of physics that are required in various fields of science and engineering. The book provides the structural concept of the system state equation and its dynamics, which can be applicable to numerical solutions in several important areas such as heat and mass transfer and fluid dynamics. As a first step, there is a description of how to solve a linear system by conducting an analysis of temperature distribution in an infinite soil as a practical example. This exercise helps readers to fully understand what time and space discretizations are, and how actual[...]

More on www.springer.com/978-4-431-54621-4

Softcover

2014. X, 128 p. 94 illus., 84 illus. in color.

► **53,49 €**

ISBN 978-4-431-54621-4

gewöhnlich versandfertig in 3-5 Werktagen