Integrated Catastrophe Risk Modelling

Supporting Policy Processes

Contents


Fields of interests

Natural Hazards; Economics/Management Science, general; Sustainable Development

Target groups

Research

Discount group

P

Morphology and Evolution of Turtles

This volume celebrates the contributions of Dr. Eugene Gaffney to the study of turtles, through a diverse and complementary collection of papers that showcases the latest research on one of the most intriguing groups of reptiles. A mix of focused and review papers deals with numerous aspects of the evolutionary history of turtles, including embryonic development, origins, early diversification, phylogenetic relationships, and biogeography.

Features

► Looks at the origin of turtles from a paleontological and embryological perspective ► Information on previously known and new taxa gives insights into the relationships, paleodiversity, and paleobiogeography of fossil turtles ► Includes historical studies and documents variation in turtle shells, skeletal pathologies, and disease.

Contents


Fields of interests

Paleontology; Evolutionary Biology; Vertebrates

Target groups

Research

Discount group

P

D. B. Brinkman, Royal Tyrrell Museum, Drumheller, AB, Canada; P. A. Holroyd, University of California, Berkeley, CA, USA; J. D. Gardner, Royal Tyrrell Museum, Drumheller, AB, Canada (Eds.)

The Noble Gases as Geochemical Tracers

The twelve chapters of this volume aim to provide a complete manual for using noble gases in terrestrial geochemistry, covering applications which range from high temperature processes deep in the Earth’s interior to tracing climatic variations using noble gases trapped in ice cores, groundwaters and modern sediments.

Features

► Analytical techniques and data interpretation within the same volume ► Entire range of potential applications of noble gases to terrestrial geochemistry ► Contributors are all leaders in their respective fields

Contents


Fields of interests

Geochemistry; Chemistry/Food Science, general; Environmental Chemistry

Target groups

Research

Discount group

P

P. Burnard, Centre National de la Recherche Scientifique, Vandoeuvre-lès-Nancy, France (Ed.)
Solid Waste Management
Principles and Practice

Solid waste was already a problem long before water and air pollution issues attracted public attention. Historically the problem associated with solid waste can be dated back to prehistoric days. Due to the invention of new products, technologies and services the quantity and quality of the waste has changed over the years. Waste characteristics not only depend on income, culture and geography but also on a society’s economy and, situations like disasters that affect that economy. There was tremendous industrial activity in Europe during the industrial revolution.

Features
► Includes history, psychology, economics of solid waste ► Discusses variation in approaches to tackle solid waste over time and region ► Deals with biomedical waste, hazardous waste, disaster waste, waste from electrical and electronic waste, safety issues, radioactive waste and lively hood

Contents

Fields of interest
Environmental Science and Engineering; Waste Management/Waste Technology; Environmental Engineering/Biotechnology

Target groups
Research

Discount group
P

Arid Lands Water Evaluation and Management

Features
► Constutes the first comprehensive book on arid lands water management that includes all aspects of the water supply, including groundwater, surface water, desalination, and water reuse ► Richly illustrated with over 10 color illustrations showing many photographs of geologic and hydrologic features unique to arid lands ► Integrates water management techniques with the science of aquifer hydrogeology and other engineering aspects of water supply

Contents

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

Target groups
Research

Discount group
P

Climate and the Weather of the Sun-Earth System (CAWSES)

Contents
Earth Sciences

V. Novák, Slovak Academy of Sciences, Bratislava, Slovakia

Evapotranspiration in the Soil-Plant-Atmosphere System

Contents
Earth System Processes and Disaster Management

Contents

Fields of interests
Earth System Sciences; Climate Change; Climate Change

Target groups
Research

Discount group
P

Available
2012. X, 300 p. 119 illus., 91 in color. (Society of Earth Scientists Series) Hardcover
$179.00 ISBN 978-3-642-28844-9

Tsunami and Groundwater Contamination

The goal of this monograph is to disseminate a fundamental understanding of the physical processes of saltwater contamination of shallow sandy aquifers due to an event like December 2004 tsunami or a storm surge event like Hurricane Katrina in the United States in 2005. The main objectives of this book are, 1. Describe the processes occurring in the unstable phenomena associated with tsunami contamination and its nature 2. Disseminate knowledge on parameters which influence saltwater plume migration, use of field experiments, physical experiments and computational modeling, 3. Provide guidelines for mitigation of such contamination and water use after such incident

Features
► Basic theory and applications of the density-dependent flow and transport in coastal regions ► Particular application to tsunami like situations which has not been covered in other textbooks ► Very few books available on the subject explained in a manner that graduate students and practitioners can understand ► Actual pictures from the December 2004 tsunami

Contents

Fields of interests
Geophysics/Geodesy; Meteorology/Climatology; Oceanography

Target groups
Research

Discount group
P

Available
2012. Approx. 150 p. 40 illus., 25 in color. (Environmental Earth Sciences) Hardcover
$129.00 ISBN 978-3-642-28850-0