ENVIRONMENTAL SCIENCE: An Annotated Bibliography

(April, 2009)
CLIMATIC CHANGES


This book outlines a new approach to understanding the interactions among climate, society, and the environment.


This revised edition takes into account the latest developments in climate research and policy and also highlighting the interrelatedness of human activity and global change.


This is the culmination of a three-year project to research and study the impacts of global climate change on ecosystems and individual wildlife species in North America.


This book presents a cogent rundown of the findings that establish greenhouse gases as a global warming catalyst and provides careful analysis of evidence indicating that climatic change has never been gradual.
CRISIS MANAGEMENT


This book describes how to identify, manage, and prevent potential crises. And also reveals the tips and tools on how to prepare an emergency list and how to utilize pre-crisis resources.


The author provides an integrated approach to crisis communication that spans various disciplines as well as the entire crisis management process. And also explains how crisis management can prevent or reduce the threats of a crisis, providing guidelines for how best to act and react in an emergency situation.

DEFORESTATION


The authors explore the science behind ecological succession-soil erosion, the make-up of an ecological niche, habitat fragmentation, energy flow, and land use methods and management.


This book describes the key issues that affect the environment, both on a local and global scale and aims to find sustainable solutions to the current problems.

DISASTER RELIEF


The author explores the psychology of fear and how it can save or destroy us. She also takes readers through the three stages of reaction to calamity: disbelief, deliberation and action.
ECOLOGY


This book represents an important new resource for formulating site-specific solutions to problems involving natural resource sustainability.


This is an in-depth guide to the theory and practice of Rapid Ecological Assessment (REA). It also provides researchers with the essential tools and techniques they need to conduct an REA, and offers valuable advice about the planning and implementation aspects.


This book offers a comprehensive examination of the state of the Indo-Pacific’s biodiversity and habitats, moving beyond endangered or charismatic species to quantify for the first time the number of mammal and bird species, including endemics, in each eco-region.

ENERGY


The book presents alternatives to fossil fuels as two diametrically opposing strategies: the increased use of atomic energy; and a comprehensive climate protection policy with a focus on energy efficiency and renewable energy.


The author surveys the energy-driven dynamic that is reconfiguring the international landscape and also forecasting a future of surprising new alliances and explosive danger.

This book provides a contemporary overview on a major key topic of the 21st century focus on how photovoltaic, solar power, wind power, hydropower, geothermal energy, fuel cells, and hydrogen enterprise work.

ENVIRONMENTAL MONITORING


This book presents a critical examination of the lessons learned about ecological monitoring in major ecoregional initiatives from direct experience along with generalized conclusions that can be applied to monitoring programs in the United States and around the world.

ENVIRONMENTAL POLICY


The authors reveal a practical, battle-tested approach to overcoming the obstacles to formulating effective environmental policy. It is also an invaluable resource for students and faculty in departments of environmental studies, public policy and administration, and planning.


It examines ten major environmental threats and also explores how they can be addressed through treaties, governance regimes, and new forms of international cooperation.


The author presents eight specific steps that governments and citizens can take to achieve a sustainable future.

This book investigates a wide range of potential paths to change, including new technology, policy changes, consumption, and finance, with the ultimate goal of mobilizing humanity around climate change and revealing global warming as one of the truly great challenges of our time.

ENVIRONMENTAL SCIENCE


This book emphasizes critical thinking, environmental responsibility and global awareness.


The authors provide an information on economic and political realities, discuss the role of different social experiences, and integrate this with the crucial science to describe the natural world and how we affect it.


This is a guide book to help protect our planet and also learn why the rainforest is so important to us, how animals go extinct, and what environmentalists can tell us about taking good care of our world.


This collection of articles reveals the visions of fringe environmentalism and a high cost for minimal good.

With an introduction that sets Muir’s trip in the context of his life and work, the book adds important dimensions to our appreciation of one of America’s greatest environmentalists.


This book provides an introductory view of essential themes in environmental science along with offering students numerous opportunities to practice scientific thinking and active learning.

FOREST and FORESTORY


This book presents a detailed assessment of the state of biodiversity in the Atlantic Forest of Brazil, Paraguay, and Argentina.


This is the integration and analyzes a series of twenty-one case studies of industry leaders carried out by the Sustainable Forestry Working Group.


This is the examination of the current state of forestry and its relation to the emergent field of ecosystem management. It also provides a compelling case for thinking creatively beyond the bounds of traditional forest resource management.

This is a collection of 200 stunning photographs and the author reveals the exquisite beauty of nature and explains why trees and forests are important to all life.


The author examines the conflicts that have developed over the preservation of forests in America, and how government agencies and advocacy groups have influenced the management of forests and their resources for more than a century.

FOREST ECOLOGY


The authors examine the current state of community forestry through a grounded assessment of where it stands now and where it might go in the future.


This is a synthesizing on restoration of Southwestern ponderosa pine ecosystems.

GLOBAL WARMING


This book explains the broad agreement over the existence of some climate change and the existence of some human role, but also explains why these have little to do with the implausible and overheated projections of environmental disaster.

This book presents the information documents that provide validity to the implications of climate change are presented in clear-cut graphic elements, striking images, and understandable analogies.


Based on his twenty-five years of experience in the environmental field, the author highlights the often misunderstood topics of environmental protection, generally, and global warming in particular.


The author reveals what environmental scientists portend about the consequences of human pollution for the next hundred years.

HYDROGEN AS FUEL


The book advocates hydrogen fuel as the best long-term alternative to fossil fuels and as a way to stop polluting the air and subsidizing terrorists. And also shows how to generate hydrogen by electrolysis, how to convert an internal combustion engine to hydrogen, and how hydrogen can be used in home appliances.


The author discovers the solid science and cutting-edge technologies behind hydrogen energy and fuel cells, and learns how we will use this energy in our homes and buildings, vehicles and public transportation, for electricity in remote areas and for backup power.

As a key architect of many environmental success stories, the author reveals how broad restoration projects have thrived through federal-state partnerships and how their principles can be extended to other parts of the country.


This book outlines the role, value, and limits of ex situ conservation as well as updating best management practices for the field, and is an invaluable resource for plant conservation practitioners at botanic gardens, zoos, and other conservation organizations.


This book describes the work of the Biodiversity Research Network, a team of experts from the United States and Canada brought together to build interdisciplinary connections and stimulate an exchange of expertise. It is also combines sections on the theoretical underpinnings of relevant concepts in population biology, simulation modeling, and social science.


The author analyses of the refuge system’s ecological management criteria, conflicts between primary and subsidiary uses, and tension between site-specific standards and uniform national goals all offer important lessons for environmental governance generally.


Drawing on evidence from across the United States, the authors demonstrate that safeguarding the environment and improving the well-being of the poor can be mutually reinforcing goals.

The author draws on extensive research to provide an engaging and authoritative overview of the problem of invasive alien species.


This book provides an overview of predictive science from historical, scientific, political, and behavioral perspectives. And also reveals recommends actions and policies that can increase the likelihood of effective decisions.


This book represents a conceptually integrated vision for reconsidering conservation thought and practice to meet the needs and circumstances of a new, post-deconstructivist era.


The author provides in-depth assessments of what must be done to protect and restore the full spectrum of native biodiversity to the North American continent.

POLLUTION


The author provides a comprehensive, up-to-date survey of the major environmental issues facing the world today within a dual framework of ecological concerns combined with specific issues of personal and community health.

This book brings a fuller understanding of the variety and extent of marine losses and how they are assessed to scientists, lawyers, and environmentalists.

REGIONAL PLANNING – ENVIRONMENTAL ASPECT


This book presents an important look at this promising approach and how it works for planners, landscape architects, local officials, and anyone involved with making land use decisions on local and regional scales.


The author discusses how architecture and cities can offer a vital counterbalance to the forces of sprawl, urban disintegration, and placelessness that have so transformed the contemporary landscape.


The author presents an engrossing history and analysis of public lands management in the United States, as he describes how we arrived at the current situation and examines what we can do to rectify it.


This book leads the way to a cost-effective ecological approach to managing human-designed landscapes, and is also an essential book for establishing or restoring native vegetation.
**SUSTAINABLE DEVELOPMENT**


The authors cover the role of senior managers and corporate boards in leading and governing sustainability activities.


This book covers the latest on the climate change front, particularly the advances in scientific understanding and political awareness of climate change.


This book explain sustainable development and also provide readers with a deep understanding with entry points, explains jargon and explores controversies.

**WATER RESOURCES DEVELOPMENT**


The author describes on water privatization and how it has affected countries in Asia, Africa, and beyond. And also discusses on water forums, community resistance, and deals between governments and corporations.