

Climate Change And Environmental Pollution

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Global Warming and Agriculture -

William R Cline 2007-07-30

How will global warming affect developing countries, which rely heavily on agriculture as a source of economic growth? William Cline asserts that developing countries have more at risk, such as their production capacity, than industrial countries as global warming worsens. Using general circulation models, Cline boldly examines 2071–99 to forecast the effects of global warming and its economic impact into the next decade. This detailed study outlines existing studies on climate change; Cline finds the Stern Report for the UK government's estimates most reliable; estimates projected changes in temperature, precipitation, and agricultural capacity; and concludes with policy recommendations. Cline finds that agricultural production in developing countries may fall an average of 16 percent, and if global warming progresses at its current rate, India's agricultural capacity could fall as much as 40 percent. Thus, policymakers should address this phenomenon now before the world's developing countries are adversely and irreversibly affected.

Objective Environmental Pollution and Climate Change - 2021

Global Climate Change and the Challenges of the Home Environment -

Zeinab Youssif 2013

The climate change has become a global phenomenon that requires gathering all human powers and international expertise to face the effects of a possible environmental catastrophe endangering the fate of humanity. The climate change is not due to the technological progress only but also due to human activities that disregard the requirements of safeguarding the environment. As the patterns of behavior towards the environment and the individuals' awareness of them plays an important role in supporting the issue of environmental pollution. Therefore, facing the environmental problems requires changing the behavior of individuals and groups lessen the gravity of these problems and realize the relationship between man and his environment to develop environmental awareness towards safeguarding the environment against pollution. As the home environment is the starting point to face this problem. So this book is shedding light on one of the most important global problems to know the role of being aware of it in affecting practices associated with resources in the home environment to limit the dangers caused by faulty practices inside the home environment

on the local and global ecosystem.
Chemistry and Toxicology of Pollution
- Des W. Connell 2023-01-12
Describes the transport of pollutants through the environment and their impact on natural and human systems, fully updated to cover key topics in modern pollution science. *Chemistry and Toxicology of Pollution* examines the interactions and adverse effects of pollution on both natural ecosystems and human health, addressing chemical, toxicological, and ecological factors at both the regional and global scale. The book is written using a conceptual framework that follows the interaction of a pollutant with the environment from distribution in the various abiotic sectors of the environment to exposure and effects on individuals and ecosystems. The authors also highlight the critical role of various socio-economic, political, and cultural aspects in achieving sustainable goals, strategies, and science-based solutions to pollution and health. This comprehensive volume covers the chemical behavior and governing principles of pollutants, their interactions with humans and ecosystems, and the methods and processes of environmental risk assessment and pollution management. Extensively revised and expanded, the second edition equips readers with the knowledge required to help lead the way towards a healthy and sustainable future. New chapters address current pollution issues such as global warming and climate change, recent advances in environmental science, the monitoring and evaluation of new and emerging pollutants, risk assessment and remediation, and innovative pollution management approaches and techniques. With in-depth material on human toxicology integrated throughout the text, *Chemistry and Toxicology of*

Pollution: Provides an effective framework for interpreting the information produced by international, national, and local agencies. Presents unifying theories and principles supported by up-to-date scientific literature. Offers broad coverage of pollution science with an emphasis on North America, the UK, Europe, China, India, and Australia. Discusses the similarities and differences of the impact of pollutants on the natural environment and humans. *Chemistry and Toxicology of Pollution, Second Edition* enables readers to view pollution in its correct perspective and develop appropriate control measures. It is essential reading for scientists, academic researchers, policymakers, professionals working in industry, and advanced students in need of a clear understanding of the nature and effects of environmental pollution.
Special Issue: Forests Under Anthropogenic Pressure - Effects of Air Pollution, Climate Change and Urban Development - Andrzej Bytnerowicz 2008

The new Peruvian cuisine - Teófilo Altamirano Rúa 2022-05-25
The book is intended to be, not considered as a recipe list, neither as the development of regional cuisine history, as well as the discussion of food inputs. On the contrary, the main objective is to analyse the consolidation of the new Peruvian cuisine as a national and global brand, considering evolutive components such as internal migration, the hybridization of diverse internal and international sources to explain the Peruvian culinary "boom". The book blends together the Altamirano's efforts, father, and son, to analyse facts barely known of the national food industry, like the palpable stagnation and decline of the so

called "nueva cocina peruana". At the same time, the book highlights the book of la "nueva cocina peruana" around the world, namely in countries where reside most Peruvians such as USA, European Union, Japan, Chile and Argentina.

Proceedings of Seminar and Policy Briefings on Environmental Pollution and Climate Change, 21-22 October, 1991, Islamabad - 1994

The Elements of Environmental Pollution - John Rieuwerts 2017-07-14

Environmental pollution is one of humanity's most pressing issues and will remain so for the foreseeable future. Anthropogenic activity is disturbing natural cycles and generating pollutants that are altering the atmosphere, accumulating in the food chain and contaminating the world's soils, rivers and oceans. Human health and ecosystems continue to be damaged by toxic metals, persistent organic pollutants, radionuclides and other hazardous materials. The Elements of Environmental Pollution provides comprehensive coverage of this essential subject. It explains the key principles of pollution science, assesses human disturbances of natural element cycles and describes local and global pollution impacts, from smoggy cities, polluted lakes and toxic soils to climate change, ocean acidification and marine dead zones. The book is informed by the latest pollution research and benefits from numerous real-world examples and international case studies. A comprehensive glossary provides clear and concise explanations of key concepts. This textbook will support teaching and learning in environment-related university courses and will be vital reading for anyone with an interest in environmental protection.

Environmental Science - Arun Luiz T |

Mayank M Dalal

This book comprises of five units which covers the entire syllabus. Topics like principles of environmental science, environmental pollution, social issues like acid rain, global warming, etc are included. New developments like Green buildings and smart cities are also included. This book has been written in a simple and lucid manner. Most of these topics are traditionally taught in environmental science and engineering in several universities and institutes. Hence this book will be useful for other universities as well. Figures and tables are incorporated wherever necessary to make the concept clearer. This book also contains short questions with answers and review questions. Case studies on various environmental issues have been included. Author hopes that this book will be useful for both students and faculty alike. *Environmental Pollution* - James Gustave Speth 1989

Climate Justice through the Polluter-Pays Principle - Patrick Kimuyu 2018-02-28

Polemic Paper from the year 2018 in the subject Politics - International Politics - Environmental Policy, grade: 1.3, Egerton University, language: English, abstract: It is evident that the environment is experiencing immense consequences from the impact of pollution. One of the most challenging issues related to the degradation of the environment owing to pollution is the phenomenon of climate change. Climate change explains the adverse effects of environmental degradation and pollution is the principal cause of this life-threatening phenomenon. Despite the remarkable progress achieved in combating environmental pollution through environmental policy approaches, there is a need

for climate justice in which the polluter will be held responsible for the damage caused to the environment. In theory, this is the approach of the so-called Polluter Pays Principle. This approach appears relevant in addressing issues related to environmentally-mediated to humans. Despite the endless debate on issues of morality and justice, especially in America, the tenets of climate justice should be upheld by enforcing environmental policies that require the polluter to pay. Therefore, this argumentative essay will present an array of aspects that explain why the polluter should pay. It will discuss property rights, economic efficiency, tradable permits, and provide the means on how polluters can pay.

Global Climate Change - Suruchi Singh
2021-03-11

Global Climate Change presents both practical and theoretical aspects of global climate change from across geological periods. It addresses holistic issues related to climate change and its contribution in triggering the temperature increase with a multitude of impacts on natural processes. As a result, it helps to identify the gaps between policies that have been put in place and the continuously increasing emissions. The challenges presented include habitability, biodiversity, natural resources, and human health. It is organized into information on the past, present, and future of climate change to lead to a more complete understanding and therefore effective solutions. Placing an emphasis on recent climate change research, *Global Climate Change* helps to bring researchers and graduate students in climate science, environmental science, and sustainability up to date on the science of climate change so far and presents a baseline for how to move

into the future effectively. Addresses the variety of challenges associated with climate change, along with possible solutions Includes suggestions for future research on climate change Covers climate change holistically, including global and regional scales, ecosystems, agriculture, energy, and sustainability Presents both practical and theoretical research, including coverage of climate change over various geological periods
Climate Change, Air Pollution and Global Challenges - Pavel Cudlín
2013-11-19

Forests provide many supporting, regulating and cultural services. Extensive environmental changes have resulted in a substantial loss or degradation of forest ecosystem services (ES). Unclear interactions of climate-change phenomena make it difficult to estimate forest ES. Research on interactive effects of climate change and air pollution has become a central issue in forest science during the past decade. Climate change in interaction with air pollution brings novel combinations of severity and timing of multiple stresses, which may significantly affect many forest ES. The aims of the present chapter are to identify basic concepts of evaluating ES with a focus on forest ES, to provide physiological and ecological bases for their evaluation, and to discuss the interactive effects of climate change and air pollution on forest ES based on selected tree physiological functions. Climate regulation mediated by deforestation-induced changes in the hydrological cycle is discussed. Adaptive governance and communication to the public promotes sustainable forest–multi-stakeholder collaboration. A case study is presented evaluating selected ES in a forest–agricultural landscape in the

Czech Republic on the basis of monitored energy, water and material flows estimation. From this study, it is apparent that future research must include multi-factorial anthropogenic and natural interactions of climatic changes and air pollution in conjunction with sustainable forest ES provisions. Sustainable forest management is an essential tool for reducing the vulnerability of forests to environmental change.

Special Section: Vegetation Response to Climate Change and Air Pollution Across Hemispheres - 2015

Environmental Policies for Air Pollution and Climate Change in the New Europe - Caterina De Lucia 2010-09-13

The interlinked issues of air pollution and energy policies in an enlarged Europe are currently subjects of major interest in economic, environmental, geography and regional sciences. This interest is understandable given the considerable consequences on human health and on climate change issues at not only a European, but a global level. In addition, the recent effects of economic fluctuation and oil prices as well as the actual restructuring of the European energy supply and security market raise a great deal of policy challenges. These issues have become an increasingly relevant concern, as the optimal design of policy by centralised European institutions has come under greater scrutiny. This book presents an integrated approach to recent regulations on air pollution with particular emphasis on transborder air pollution, climate change and energy policies in the new Europe. This integrated vision embraces the extent to which global pollution influences policy decisions at different institutional levels; the magnitude, by virtue of policy

simulation analysis, of environmental policy tools (i.e. environmental taxes) on aggregate welfare and transboundary air emissions fluxes in light of the recent enlargement process; the European Trading System and its flexible mechanisms to curb carbon emissions and fulfil the European Union Kyoto Protocol's commitments; and the developments of the new European energy strategy and its interdependencies across energy requirements, innovation, competitiveness and climate change. The book is primarily aimed at Postgraduates and Postdoctoral research students in economics, environmental economics, environmental sciences, or environmental policy disciplines. However, it should also be of interest to environmental economists, energy policy analysts, members of governmental and non-governmental agencies dealing with environmental policy, climate change or air pollution.

Air Pollution and Climate Change - Marcus Schaub 2007

Water Quality in the Third Pole - Chhatra Mani Sharma 2019-11-12
Water Quality in the Third Pole: The Roles of Climate Change and Human Activities offers in-depth coverage of water quality issues (natural and human-related), the monitoring of contaminants, and the remediation of water contamination. The book's chapters assess years of research on water quality and climate change in this fascinating and scientifically important region. Topics addressed include climate change impacts on water qualities of freshwater bodies, such as glaciers, lakes, rivers and precipitation. In addition, the book explains the growing concerns over water quality, such as mercury, trace elements, major ions, persistent organic pollutants and their

circulation. As such, it is an essential reference for academics and policymakers interested in the water quality of natural bodies. Identifies key issues and problems, focusing on water quality in the Third Pole region under the changing scenarios of global climate change Provides updated information on water quality in a compiled form, mainly from climatically and lithologically distinct Himalayan regions Highlights the local and long-range transported inputs of pollutants in water bodies
CLIMATE CHANGE, DISASTER MANAGEMENT AND ENVIRONMENT - Alka Chauhan
2011-04

Environmental Pollution Causes What Economic Or Social Cost - Johnny Ch Lok 2019-01-06

What is the current threat to health? the migration of air pollution following the introduction of clean air has been followed by a period of unprecedented economic development creating new forms of pollution from the combustion of fossil fuels. For example, in contrast to the relatively large tar laden particulates from burning dirty coal which caused episodes like the London city, UK. Smog, traffic pollution now generates fine with a different size and composition and gases, such as which may cause injury to the respiratory system and the effects of other pollutants. Such as particulates and drive the formation of the secondary pollutant ozone. The effects of pollution will therefore to some extent reflect genetic, environmental lifestyle and behavioral factors to develop these distance in a population together with the existing prevalence of diseases which may be polluted. Hence, living in polluted urban environments is associated with increased levels of biological markers of inflammation compared with

residence in a clean air environment. The damage is caused by air pollution manifests itself through a variety of common and recognized health problems, such as upper complaints heart and lung disease. Because of this, we can use statistical methods as well as clinical studies to detect the signal of changes in health problems and increased health care demands in the population. However, doctors had proved air or water pollution can cause these both cardiovascular or respiratory disease indirectly. Cardiovascular disease includes formation of arterial plaques, coronary artery, heart attacks, irregular heart rhythm, loss of heart rate variability, high blood pressure, stroke etc. disease. Respiratory disease includes inflammation of nasal, throat and tracheal airways with acute, lower respiratory tract inflammation and infection causing bronchitis, reduction long growth and function in young people. So, it seems environmental pollution can influence quality of life to human as well as environmental pollution and illness and poor health problem has close relationship. On the other side, environmental pollution can bring health risk, over it will influence social inequalities. Some researchers had found that the evidence has been compiled for six environmental health challenges, such as air quality, housing and residential location, unintentional injuries in children, work related health risks, waste management and climate change. It seems human need to concern air and drinking water quality, waste management and climate change how to influence our environmental pollution challenge. Although, the evidence base on social inequalities and environmental risk is fragmented and data are often available for few countries only, it indicates that

inequalities are a major challenge for environmental health policies. Irrespective of development status, environmental inequalities can be found in any country for which data are available. The valid for the exposure to environmental risk factor is also unequally distributed, and this unequal distribution is often related to social characteristics, such as income, social status, employment and education, even environment risk factor can influence human's quality of life. (i)How environmental risk factor can influence different groupsHowever, human need to concern how environmental risk factor can influence inequally health outcomes to different groups. Such as, the first group is social determinants affect the environmental conditions of an individual and may contribute to the fact that specific individuals or population groups more often experience loss adequate or potentially harmful environmental conditions.

ENVIRONMENTAL POLLUTION AND CLIMATE CHANGE - M. M. Abid Ali Khan 2020-04
Erupting volcanoes, earthquakes, dust storms and meteorites smashing into the Earth's crust are natural phenomena that can cause climate change and air pollution: dinosaurs may have met their end after a giant meteorite kicked up so much dust that it blocked out the sun for decades, reducing photosynthesis and preventing the growth of plants.
Air Pollution and Global Warming - Mark Z. Jacobson 2012-04-23
New edition of introductory textbook, ideal for students taking a course on air pollution and global warming, whatever their background.
Comprehensive introduction to the history and science of the major air pollution and climate problems facing the world today, as well as energy and policy solutions to those

problems.

Environmental Pollution and Natural Resource Management - Kanchan Deoli Bahukhandi 2022-08-22

This book presents conference articles related to environmental pollution and natural resource management, and environmentally friendly technologies that lead to sustainable development presented in the Conference "Sustainable Management of Environment & Natural Resource Through Innovation in Science and Technology". The book highlights the latest development and innovation in environmental science, technology, and interdisciplinary research to improve the environment and health safety. It includes innovations and improvisations in the broad area of science and technology, natural resource, and environment management. It deliberates on the current burning issues of environment protection management and sustainable development, environmental pollution, global warming, and climate change. The development strategies must therefore be shaped by the following components: The satisfaction of basic human requirements The eradication of poverty Self-reliant and participatory development Environmental consciousness Technology has to play a critical role in the process of changing industrial society. But innovation has to be embedded in social and organizational innovation. This book provides a wide range of research articles in the area of science and technology, sustainability, natural resource management, ecology and its environmental fields, geosciences and geology, atmospheric sciences, sustainability, climate change, and extreme weather, global warming, and environmental change, the effect of climate change on the ecosystem, environment, and pollution.

Inconspicuous Consumption - Tatiana

Schlossberg 2019-08-27

First Place Winner of the Society of Environmental Journalists' Rachel Carson Environment Book Award "If you're looking for something to cling to in what often feels like a hopeless conversation, Schlossberg's darkly humorous, knowledge-is-power, eyes-wide-open approach may be just the thing."--Vogue From a former New York Times science writer, this urgent call to action will empower you to stand up to climate change and environmental pollution by making simple but impactful everyday choices. With urgency and wit, Tatiana Schlossberg explains that far from being only a distant problem of the natural world created by the fossil fuel industry, climate change is all around us, all the time, lurking everywhere in our convenience-driven society, all without our realizing it. By examining the unseen and unconscious environmental impacts in four areas- the Internet and technology, food, fashion, and fuel - Schlossberg helps readers better understand why climate change is such a complicated issue, and how it connects all of us: How streaming a movie on Netflix in New York burns coal in Virginia; how eating a hamburger in California might contribute to pollution in the Gulf of Mexico; how buying an inexpensive cashmere sweater in Chicago expands the Mongolian desert; how destroying forests from North Carolina is necessary to generate electricity in England. Cataloging the complexities and frustrations of our carbon-intensive society with a dry sense of humor, Schlossberg makes the climate crisis and its solutions interesting and relevant to everyone who cares, even a little, about the planet. She empowers readers to think about their stuff and the environment in a new way, helping them make more informed choices when it comes to the

future of our world. Most importantly, this is a book about the power we have as voters and consumers to make sure that the fight against climate change includes all of us and all of our stuff, not just industry groups and politicians. If we have any hope of solving the problem, we all have to do it together. "A compelling and illuminating look at how our daily habits impact the environment."--Vanity Fair "Shows how even the smallest decisions can have profound environmental consequences."--The New York Times
Ecology, Environment and Pollution: Ecology: An Introduction; CH:2 Environmental Studies; CH:3 Concept of an Ecosystem; CH:4 Types of Environmental Pollution and Its Effects; CH:5 Human Population and the Environment; CH:6 Environmental Pollution and Degradation; CH:7 Climate Change and Environment; Bibliography; Index - Felix Sweeney Riley Mitchell 2018

Hacia el Futuro - Maria Eugenia Ibarrarán 2006-09-09

The book focuses on the impact of energy policies on fossil fuel use, environmental quality, and economic growth in Mexico for the next 20 years. It examines the Mexican energy sector and its link to international trade, government revenues, economic welfare and environmental pollution. It also develops a Computable General Equilibrium model of the Mexican economy, paying attention to the energy sector and its links with other aspects of the aggregate economy.

Climate Change and Air Pollution - Rais Akhtar 2017-10-05

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. After analyzing the variations of climate data over recent decades, the authors consider the different effects of climate change on air pollution and health. As stressed by the IPCC, "pollen, smoke and ozone levels are likely to increase in a warming world, affecting the health of residents of major cities. Rising temperatures will worsen air quality through a combination of more ozone in cities, bigger wild fires and worse pollen outbreaks," according to a major UN climate report. The report follows the World Health Organization in finding that air pollution is the world's greatest environmental health risk, killing 7 million people in 2014 (compared to 0.4 million deaths due to malaria). Deteriorating air quality will most affect the elderly, children, people with chronic ill-health and expectant mothers. Another report suggests that more than 5.5 million people die prematurely each year due to air pollution with over half of those deaths occurring in China and India. A study on the air pollution in the USA, suggests that more than half of US population lives in areas with potentially dangerous air pollution, and about six out of 10 of the top cities for air pollution in the USA are located in the state of California. In the face of future climate change, scientists have urged stronger emission controls to avoid worsening air pollution and the associated exacerbation of health problems, especially in more populated regions of the world. It is hoped that the implementation of the Paris Climate Agreement will help minimize air pollution. Additionally the authors consider the various measures that different countries and groups of countries, like the European Union, have adopted to mitigate the problems arising from

climate change and to safeguard the health of population. The book examines the increasing incidence of diseases largely caused by climate change. The countries/regions covered in this study include the USA, Northern Europe (U.K.), Southern Europe (Italy), Canada, Australia, East Asia, Russia, Hong Kong, Taiwan, Thailand, Malaysia, Indonesia, India, South Africa, Mexico, Brazil, Caribbean countries, and Argentina.

Review of the Draft Fourth National Climate Assessment - National Academies of Sciences, Engineering, and Medicine 2018-06-18

Climate change poses many challenges that affect society and the natural world. With these challenges, however, come opportunities to respond. By taking steps to adapt to and mitigate climate change, the risks to society and the impacts of continued climate change can be lessened. The National Climate Assessment, coordinated by the U.S. Global Change Research Program, is a mandated report intended to inform response decisions. Required to be developed every four years, these reports provide the most comprehensive and up-to-date evaluation of climate change impacts available for the United States, making them a unique and important climate change document. The draft Fourth National Climate Assessment (NCA4) report reviewed here addresses a wide range of topics of high importance to the United States and society more broadly, extending from human health and community well-being, to the built environment, to businesses and economies, to ecosystems and natural resources. This report evaluates the draft NCA4 to determine if it meets the requirements of the federal mandate, whether it provides accurate information grounded in the scientific literature, and whether it

effectively communicates climate science, impacts, and responses for general audiences including the public, decision makers, and other stakeholders.

Environmental Policy and Public Health - William N. Rom 2011-11-01

This textbook provides an overview of the major environmental policy issues, past and present, and explains the interplay among law, science, and advocacy as related to environmental policymaking in the United States and abroad.

Environmental Policy and Public Health examines the main sources of pollution and threats to environmental integrity and explores the consequences of pollution on the environment and the population. Throughout the book, noted environmental policy expert William N. Rom explains the legal basis for environmental action, beginning with the Clean Air Act, the Wilderness Act, the National Environmental Policy Act, the Endangered Species Act, and international treaties. In addition to providing information about existing laws, the author presents potential policy alternatives that offer real-world solutions. Comprehensive in scope, the book incorporates developments in law, economics, global warming, and air pollution. Environmental Policy and Public Health covers these topics and also puts an emphasis on wilderness protection. An important focus of the book is an assessment of the role of policy analysis in the formation and implementation of national and local environmental policy. Companion Web site:

www.josseybass.com/go/rom

Air Pollution and Climate Change Effects on Forests in Central and Eastern Europe - 1997

Proceedings of the International Symposium on Air Pollution and

Climate Change Effects on Forest Ecosystems, February 5-9, 1996, Riverside, California - 1998

Air Pollution, Climate, and Health - Meng Gao 2021-04-14

Air Pollution, Climate and Health integrates the current understanding of the issues of air pollution, climate change and human health. The book provides a comprehensive overview of these issues to help readers gain a better understanding of how they interact and impact air quality and public health. Regional examples from across the globe include issues related to PM 2.5, haze, winter pollution, heat related mortality and aerosols. These issues are addressed utilizing current research and laboratory-based, observation-based, and modeling-based analysis. This is an essential resource for all professionals investigating the impacts of climate change or air pollution on human health. Provides a comprehensive understanding of the interactions between climate change, air quality and human health Includes evidence-based findings to help clarify the mechanisms on how air pollution impacts climate and how a changing climate is impacting those pollutants Covers a number of pollution sources and products impacting climate change, including energy, haze, particulate matter, aerosols, PM 2.5 and transport

Environmental Pollution and Its Relation to Climate Change - Ahmed El-Nemr 2012-02

Human activities may contribute to climate change by causing changes in Earth's atmosphere in the amounts of greenhouse gases (CO₂, CH₄, N₂O and the halocarbons, a group of gases containing fluorine, chlorine and bromine linked to carbon), aerosols (small particles), and cloudiness. The largest known contribution comes

from the burning of fossil fuels, which releases carbon dioxide, water vapour and other gases to the atmosphere. Significant increases in all of these gases have occurred in the industrial era because most of these gases accumulate in the atmosphere, causing concentrations to increase with time. This book presents and discusses the latest research in the climate change field and its relation to pollution.

Ozone Depletion, the Greenhouse Effect, and Climate Change - United States. Congress. Senate. Committee on Environment and Public Works. Subcommittee on Environmental Protection 1986

Ozone Depletion, the Greenhouse Effect, and Climate Change - United States. Congress. Senate. Committee on Environment and Public Works. Subcommittee on Environmental Pollution 1986

Environmental Pollution and the Media - Glenn D. Hook 2017-04-07

This book offers a theoretically informed empirical investigation of national media reporting and political discourse on environmental issues in Australia, China and Japan. It illuminates the risks, harms and responsibilities associated with climate change through an analysis of pollution, adopting an interdisciplinary approach drawing on both the social sciences and humanities. A particular strength of the work is the detailed analysis of the data using a range of both quantitative and qualitative techniques, enabling the authors to reveal in rich and compelling detail the complex relationship between risk and responsibility in the climate change discourse. The case studies of Australia, China and Japan are set in the current literature as well as in the historical context of climate

change in these three countries. The analysis of the media discourse on the Great Barrier Reef in Australia demonstrates how the mining of coal for overseas markets has led to devastating harm to the life of the reef. A critical discussion of the Chinese documentary, *Under the Dome*, shows how this medium has played a crucial role in building awareness of the harm from atmospheric pollution among the citizens, shaping attitudes and promoting action. The first case study of Japan elucidates how cross-border atmospheric pollution from China forges a chain of responsibility for responding to climate change, running from the state to society. The other case study of Japan demonstrates how 'smart cities' have emerged as a way to mitigate the risks and harms of climate change. The Conclusion draws together the similarities and differences in how climate change is addressed in the three countries. In all, *Environmental Pollution and the Media: Political Discourses of Risk and Responsibility in Australia, China and Japan* uncovers the dynamics of the triadic relationship among risk, harm and climate change in Australia, China and Japan. By so doing, the book makes an original and timely contribution to understanding comparative media, discourse and political debates on climate change.

Climate Change and Anthropogenic Impacts on Health in Tropical and Subtropical Regions - Karmaoui, Ahmed 2020-01-31

Climate change and environmental pollution remain two primary areas of concern in today's world. These detrimental influences continue to have a strong impact on various aspects of humanity, specifically public health in tropical regions. Researchers have seen neglected tropical diseases (NTDs) affected by climate change and anthropogenic

impacts. *Climate Change and Anthropogenic Impacts on Health in Tropical and Subtropical Regions* is a pivotal reference source that provides vital research on the association of environmental pollutants and global warming with viruses in tropical regions. While highlighting topics such as pathogenicity, travel impact, and economic impacts, this publication explores the developments and trends in these areas of medicine and ecology, as well as prevention strategies to be used for educational and sensitization purposes. This book is ideally designed for doctors, medical practitioners, ecologists, epidemiologists, environmentalists, world health organizations, researchers, biologists, policymakers, academicians, and students.

Global Challenges of Air Pollution and Climate Change to Forests - Elena Paoletti 2016

Adaptation of Forest Ecosystems to Air Pollution and Climate Change - 2011

Climate Change Liability and Beyond - Jiunn-rong Yeh, Sandrine Maljean-Dubois, Yann Kerbrat, 2017-01-18
Climate change and its adverse impacts on nature and human society are clearly felt. Who should bear the responsibility? Should anyone be held liable for grave losses and damages related to climate change? In what way and to what extent can these issues be addressed in legal mechanisms both globally and locally? Will an international liability regime an ultimate solution? Are courts ready for and capable of resolving these disputes that find intricacy of law, policy and science? To shed light on these issues, this book is structured with four main themes on the discussions of climate

change liability and related mechanisms. They are: 1) state liability and responsibility, 2) climate change litigation, 3) climate change liability and alternatives, and 4) dispute resolution and remedies. Reflections on the concepts of liability/responsibility/accountability have provided for nuanced understandings of their functional dynamics in climate change governance. Our findings also suggest that International and domestic courts have become a vital player in attribution or distribution of climate change liability. In addition to formalistic rights discourse and rigid liability regime, a few alternatives such as carbon market, insurance, mediation or soft law are also finding their ways to ensuring sustainability of climate change governance.

Health of People, Health of Planet and Our Responsibility - Wael Al-Delaimy 2020-05-13

This open access book not only describes the challenges of climate disruption, but also presents solutions. The challenges described include air pollution, climate change, extreme weather, and related health impacts that range from heat stress, vector-borne diseases, food and water insecurity and chronic diseases to malnutrition and mental well-being. The influence of humans on climate change has been established through extensive published evidence and reports. However, the connections between climate change, the health of the planet and the impact on human health have not received the same level of attention. Therefore, the global focus on the public health impacts of climate change is a relatively recent area of interest. This focus is timely since scientists have concluded that changes in climate

have led to new weather extremes such as floods, storms, heat waves, droughts and fires, in turn leading to more than 600,000 deaths and the displacement of nearly 4 billion people in the last 20 years. Previous work on the health impacts of climate change was limited mostly to epidemiologic approaches and outcomes and focused less on multidisciplinary, multi-faceted collaborations between physical scientists, public health researchers and policy makers. Further, there was

little attention paid to faith-based and ethical approaches to the problem. The solutions and actions we explore in this book engage diverse sectors of civil society, faith leadership, and political leadership, all oriented by ethics, advocacy, and policy with a special focus on poor and vulnerable populations. The book highlights areas we think will resonate broadly with the public, faith leaders, researchers and students across disciplines including the humanities, and policy makers.