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Geography in India is the fifth ICSSR survey of research on the subject and discusses physical geography, population and settlement geography, regional geography and regional planning, remote sensing and geographical information systems (GIS), and analytical techniques and quantitative techniques in geography. It analyses past research and emergent fields of specialization, and suggests areas for further research. It discusses the gradual shift from largely qualitative, regional studies to systematic and quantitative geography, and documents the growing number of interdisciplinary studies.

An annual collection of studies of individuals who have made major contributions to the development of geography and geographical thought. Subjects are drawn from all periods and from all parts of the world, and include famous names as well as those less well known: explorers, independent thinkers and scholars. Each paper describes the geographer's education, life and work and discusses their influence and spread of academic ideas, and includes a select bibliography

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and brief chronology. The work includes a general index and a cumulative index of geographers listed in volumes published to date.

This book explores the connections between two of the most transformative processes of the twenty-first century, namely climate change and globalization. In this book, Leichenko and O'Brien present a conceptual framework for analyzing the interactions between these two processes, and illustrate, through case studies, how these interactions create situations of "double exposure." Drawing upon prominent recent and current climate-related events -- Hurricane Katrina in New Orleans, recurring droughts in India, and the melting of Arctic sea ice -- the case studies each demonstrate a different pathway of interaction between globalization and global environmental change. Through exploration of these pathways of double exposure, the book also shows how broader human security concerns including growing inequalities, growing vulnerabilities, and unsustainable rates of development are integrally connected to both processes of global change. The double exposure framework not only sheds light on the challenges raised by these two global processes, but also reveals possibilities for using the interactions to generate positive opportunities for action.

This volume reports on contemporary research by geographers and others into resource management and planning issues in the Caribbean region. The

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common theme is the search for developmental strategies that focus on social and economic needs without further deterioration of the resource base. This volume offers a unique, integrative perspective on the political and ecological processes shaping landscapes and resource use across the global North and South. Twelve carefully selected case studies demonstrate how contemporary geographical theories and methods can contribute to understanding key environment-and-development issues and working toward effective policies. Topics addressed include water and biodiversity resources, urban and national resource planning, scientific concepts of resource management, and ideas of nature and conservation in the context of globalization. Giving particular attention to evolving conceptions of nature-society interaction and geographical scale, an introduction and conclusion by the editors provide a clear analytical focus for the volume and summarize important developments and debates in the field.

Geographers: Biobibliographical Studies, Volume 37 explores the concept of distinction in geography. Through the lives of six geographers working in Brazil, North America, Europe and Réunion, it investigates what distinction consists of, how we identify and celebrate it and how it relates to quotidian practices in the discipline. The volume highlights the continuing importance of biography and the

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International Geographical Union in recording and assessing distinction. It also considers the relevance of personal networks for the circulation and translation of distinguished geographical knowledge, and how this knowledge can underpin applied projects and critical appraisal of geographical scholarship, both at a national and sub-national level. Gendered notions of distinction are also addressed, particularly through June Sheppard, who found limited recognition for her work as a result of gendered expectations within the discipline and society at large. By reflecting on how we locate distinguished geographers and tell their histories, *Geographers: Biobibliographical Studies, Volume 37* makes an important contribution to fostering less canonical work in historical geography. Geography is a component of *Encyclopedia of Earth and Atmospheric Sciences* in the global *Encyclopedia of Life Support Systems (EOLSS)*, which is an integrated compendium of twenty one Encyclopedias. Geographical perceptions can be traced from very ancient cultures, although geography as a science started its development during the eighteenth century, it was firmly established after the Darwinian revolution and many of its fundamentals appeared during the nineteenth century. The history of geography is closely connected with the history of human society Geography embraces both the physical and human worlds, and aims to bridge natural and human sciences. For a geographer, although the environment and its conservation is a crucial item, it is

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also fundamentally concerned with the living standards of humankind. Although its wide embrace may be seen as a weakness, diversification is also strength and an attraction. Approaches are multidisciplinary, exploring the complex linkages between the cultural and the natural. These favor cross-cultural communication and mutual understanding at a global scale. There is a geographical basis to most of the outstanding political problems, and geographical reasons to explain them. The subject matter of the geography theme is presented basically on how the subject matter is taught presently at the universities, and following the many paths its practitioners are following in doing research. It introduces modern subject matters and goes much further than a simple description of places and travels. The theme has been divided into four main topics: Foundations, Physical Geography, Human Geography, and Technical matters. The scope of the foundation topic is to present an overview of the basis of the geographical field, its scope, history, methods, and its importance in education. The chapters included are Main Stages of the Development, Theory and Methods, and Geographical Education. The Physical Geography topic includes the historical background of the geographical study of the Earth natural environment, and the main fields cultivated by geographers. It consists of eight chapters on basic research fields, which are Geomorphology, Climatology, Hydrology, Biogeography, Soil Geography, Coastal Systems, Ocean Geography, Mountain Geocology, and two chapters on environmental issues: Natural Hazards and Land Degradation and Desertification. In

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the Human Geography topic six chapters discuss the more current fields, that is: Population, Cultural and Social, Agricultural and Rural, Industries and Transport, Economic Activities and Urban Geography. Three chapters present subjects developed more recently: Medical, Political and Tourism geographies. Finally, the Regional approach is presented as the most traditional and integrative field. These volumes are aimed at the following five major target audiences: University and College students Educators, Professional practitioners, Research personnel and Policy analysts, managers, and decision makers and NGOs.

This Handbook provides an essential guide to the study of resources and their role in socio-environmental change. With original contributions from more than 60 authors with expertise in a wide range of resource types and world regions, it offers a toolkit of conceptual and methodological approaches for documenting, analyzing, and reimagining resources and the worlds with which they are entangled. The volume has an introduction and four thematic sections. The introductory chapter outlines key trajectories for thinking critically with and about resources. Chapters in Section I, "(Un)knowing resources," offer distinct epistemological entry points and approaches for studying resources. Chapters in Section II, "(Un)knowing resource systems," examine the components and logics of the capitalist systems through which resources are made, circulated, consumed, and disposed of, while chapters in Section III, "Doing critical resource geography: Methods, advocacy, and teaching," focus on the practices of

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critical resource scholarship, exploring the opportunities and challenges of carrying out engaged forms of research and pedagogy. Chapters in Section IV, "Resource-making/world-making," use case studies to illustrate how things are made into resources and how these processes of resource-making transform socio-environmental life. This vibrant and diverse critical resource scholarship provides an indispensable reference point for researchers, students, and practitioners interested in understanding how resources matter to the world and to the systems, conflicts, and debates that make and remake it.

This book is the latest in a long line of Economic Commission for Latin America and the Caribbean studies on water resources in Latin America and the Caribbean which focus on questions relating to the management of water resource systems.

This double-volume work focuses on socio-demographics and the use of such data to support strategic resource management and planning initiatives. Papers go beyond explanations of methods, technique and traditional applications to explore new intersections in the dynamic relationship between the utilization and management of resources, and urban development. International authors explore numerous experiences, characteristics of development and decision-making influences from across Asia and Southeast Asia, as well as recounting examples from America and Africa. Papers propound techniques and methods used in geographical research such as support vector machines, socio-economic correlates and travel behaviour analysis.

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In this volume the contributions examine issues such as natural resource and environmental management, livelihoods issues in the context of climate change, land markets and land trusts, adaptive management of wildlife sanctuaries, ground water scarcity, flood hazards and flood plain management, non-conventional energy resources, community forestry and management and land use and land cover change. The significance of these topics lie in the pace and volume of change as is reflected through continued development within established fields of inquiry and the introduction of significantly new approaches during the last decade. Readers are invited to consider the dynamics of spatial expansion of urban areas and economic development, and to explore conceptual discussion of the innovations in and challenges on urbanization processes, urban spaces themselves and both resource management and environmental management. Together, the two volumes contribute to the interdisciplinary literature on regional resources and urban development by collating recent research with geography at its core. Scholars of urban geography, human geography, urbanism and sustainable development will be particularly interested in this book.

Through an exploration of the links between geologic setting, mining and process technologies, economics, environment and stakeholder communities, this text addresses ways in which the mineral industry can be made safe, efficient and ecologically sustainable, focusing in particular upon the following key themes: a review

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of the current status of t

Accessibly written by a team of international authors, the Encyclopedia of Environmental Change provides a gateway to the complex facts, concepts, techniques, methodology and philosophy of environmental change. This three-volume set illustrates and examines topics within this dynamic and rapidly changing interdisciplinary field. The encyclopedia includes all of the following aspects of environmental change: Diverse evidence of environmental change, including climate change and changes on land and in the oceans Underlying natural and anthropogenic causes and mechanisms Wide-ranging local, regional and global impacts from the polar regions to the tropics Responses of geo-ecosystems and human-environmental systems in the face of past, present and future environmental change Approaches, methodologies and techniques used for reconstructing, dating, monitoring, modelling, projecting and predicting change Social, economic and political dimensions of environmental issues, environmental conservation and management and environmental policy Over 4,000 entries explore the following key themes and more: Conservation Demographic change Environmental management Environmental policy Environmental security Food security Glaciation Green Revolution Human impact on environment Industrialization Landuse change Military impacts on environment Mining and mining impacts Nuclear energy Pollution Renewable resources Solar energy Sustainability Tourism Trade Water resources Water security Wildlife conservation The comprehensive coverage of terminology

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Includes layers of entries ranging from one-line definitions to short essays, making this an invaluable companion for any student of physical geography, environmental geography or environmental sciences.

A Companion to Environmental Geography is the first book to comprehensively and systematically map the research frontier of 'human-environment geography' in an accessible and comprehensive way. Cross-cuts several areas of a discipline which has traditionally been seen as divided; presenting work by human and physical geographers in the same volume Presents both the current 'state of the art' research and charts future possibilities for the discipline Extends the term 'environmental geography' beyond its 'traditional' meanings to include new work on nature and environment by human and physical geographers - not just hazards, resources, and conservation geographers Contains essays from an outstanding group of international contributors from among established scholars and rising stars in geography

It can be argued that the differences in content and approach between physical and human geography, and also within its sub-disciplines, are often overemphasised. The result is that geography is often seen as a diverse and dynamic subject, but also as a disorganised and fragmenting one, without a focus. Unifying Geography focuses on the plural and competing versions of unity that characterise the discipline, which give it cohesion and differentiate it from related fields of knowledge. Each of the chapters is co-authored by both a leading physical and a human geographer. Themes identified include those of the traditional core as well as new and developing topics that are based on subject matter, concepts, methodology, theory, techniques and applications. Through its identification of unifying themes, the book will provide

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students with a meaningful framework through which to understand the nature of the geographical discipline. Unifying Geography will give the discipline renewed strength and direction, thus improving its status both within and outside geography.

The Environment as Hazard offers an understanding of how people around the world deal with dramatic fluctuations in the local natural systems of air, water, and terrain. Reviewing recent theoretical and methodological changes in the investigation of natural hazards, the authors describe how research findings are being incorporated into public policy, particularly research on slow cumulative events, technological hazards, the role played by social systems, and the relation of hazards theory to risk analysis. Through vivid examples from a broad sample of countries, this volume illuminates the range of experiences associated with natural hazards. The authors show how modes of coping change with levels of economic development by contrasting hazards in developing countries with those in high income countries - comparing the results of hurricanes in Bangladesh and the United States, and earthquakes in Nicaragua and California. In new introductory and concluding chapters that supplement the original text, the authors present new global data sets, as well as a trenchant discussion of implications of hazards research for the International Decade for Natural Disaster Reduction and for attempts by the world community to come to grips with the threats of climate change.

This text covers river training techniques. Divided into two parts, it discusses properties of rivers and fundamentals of river engineering and flood protection.

Technological Trajectories and the Human Environment provides a surprising projection of a much greener planet, based on long-range analysis of trends in the efficient use of energy, materials, and land. The authors argue that we will decarbonize the global energy system and

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drastically reduce greenhouse gas emissions. We will dematerialize the economy by leaner manufacturing, better product design, and smart use of materials. We will significantly increase land areas reserved for nature by conducting highly productive and environmentally friendly agriculture on less land than is used today, even as global population doubles. The book concludes that the technological opportunities before us offer the possibility of a vastly superior industrial ecology. Rich in both data and theory, the book offers fresh analyses essential for everyone in the environmental arena concerned with global change, sustainable development, and profitable investments in technology.

The over-exploitation of important earth resources such as land and water has led to a number of environment-related problems the world over. At the same time, land-use change caused by various human activities has led to extinction of many plant and animal habitats and species. In this context, the relevance of biodiversity for human survival is becoming a major international political issue as scientific evidence builds on the global health implications of biodiversity loss. These issues are closely linked with the issue of climate change, as many of the health risks due to climate change are associated with rapid degradation of biodiversity. This present work focuses on holistic natural resource-based spatio-temporal planning, development, and management and considers them as essential to save the degraded ecosystem for sustainable resource management. Contributions are compiled in two volumes: 1. Climate Change and Biodiversity and 2. Landscape Ecology and Water Management. Geoinformatics along with its tools such as remote sensing and geographical information systems (GIS) have been used in assessing the results of various environmental problems both physical and social. The volume will be useful for geographers, geoscientists, hydrologists, landscape ecologists,

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environmentalists, engineers, planners and policy makers.

Why communities and institutions need to work together to reduce disaster risk.

Companion to Environmental Studies presents a comprehensive and interdisciplinary overview of the key issues, debates, concepts, approaches and questions that together define environmental studies today. The intellectually wide-ranging volume covers approaches in environmental science all the way through to humanistic and post-natural perspectives on the biophysical world. Though many academic disciplines have incorporated studying the environment as part of their curriculum, only in recent years has it become central to the social sciences and humanities rather than mainly the geosciences. 'The environment' is now a keyword in everything from fisheries science to international relations to philosophical ethics to cultural studies. The Companion brings these subject areas, and their distinctive perspectives and contributions, together in one accessible volume. Over 150 short chapters written by leading international experts provide concise, authoritative and easy-to-use summaries of all the major and emerging topics dominating the field, while the seven part introductions situate and provide context for section entries. A gateway to deeper understanding is provided via further reading and links to online resources. Companion to Environmental Studies offers an essential one-stop reference to university students, academics, policy makers and others keenly interested in 'the environmental question', the answer to which will define the coming century.

Peace Studies, Public Policy and Global Security is a component of Encyclopedia of Social Sciences and Humanities in the global Encyclopedia of Life Support Systems (EOLSS), which is an integrated compendium of twenty one Encyclopedias. The Theme on Peace Studies,

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Public Policy and Global Security provides the essential aspects and a myriad of issues of great relevance to our world such as: Processes of Peace and Security; International Security, Peace, Development, and Environment; Security Threats, Challenges, Vulnerability and Risks; Sustainable Food and Water Security; World Economic Order. This 11-volume set contains several chapters, each of size 5000-30000 words, with perspectives, issues on Peace studies, Public Policy and Global security. These volumes are aimed at the following five major target audiences: University and College students Educators, Professional practitioners, Research personnel and Policy analysts, managers, and decision makers and NGOs.

Louisiana's Atchafalaya River Basin is one of the most dynamic and critical environments in the country. It sustains the nation's last cypress-tupelo wetland and provides a habitat for many species of animals. Endowed with natural gas and oil fields, the basin also supports a large commercial fisheries industry. Perhaps most crucial, it remains a primary component of the plan to control the Mississippi River and relieve flooding in New Orleans, Baton Rouge, and other communities in the lower river valley. The continuing health of the basin is a reflection not of nature, but of the work of the U.S. Army Corps of Engineers. With levee building and clearing in the nineteenth century and damming, dredging, and floodway construction in the twentieth, the basin was converted from a vast forested swamp into a designer wetland, where human aspirations and nature maintained a precarious equilibrium. Originally published by the U.S. Army Corps of Engineers primarily for internal distribution, this environmental and political history of the Atchafalaya Basin is an unflinching account of the transformation of an area that has endured perhaps more human manipulation than any other natural environment in the nation. Martin Reuss provides a new preface to bring us up-to-date on the state of the basin,

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which remains both an engineering contrivance and natural wonder.

Geography and Geographers continues to be the most comprehensive and up-to-date overview of human geography available. It provides a survey of the major debates, key thinkers and schools of thought in the English-speaking world, setting them within the context of economic, social, cultural, political and intellectual changes. It is essential reading for all undergraduate geography students. It draws on a wide reading of the geographical literature and addresses the ways geography and its history are understood and the debates among geographers regarding what the discipline should study and how. This extensively updated seventh edition offers a thoroughly contemporary perspective on human geography for new and more experienced students alike.

From the Asian tsunami of 2004 to hurricane Katrina in 2005 and the Tohoku earthquake of 2011, our century has been fraught with catastrophic natural disasters. Disaster Risk and Vulnerability assesses the human toll and economic losses of natural disasters and reasserts the importance of human collaboration and organization in disaster management. In most cases, policy makers, planners, managers, and regulators who implement disaster risk reduction response planning and management strategies remain detached from local conditions, failing to address them effectively. Presenting case studies from Asia and North America, as well as a broad range of approaches to community mobilization and partnership development, contributors show that local communities, all levels of government, and non-governmental organizations must work collectively in order to reduce the harm caused by disasters. Despite unprecedented progress in science and technology and governments' continued efforts in disaster risk reduction, socioeconomic losses due to environmental

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disasters continue to rise. Disaster Risk and Vulnerability provides knowledge and information that will benefit anyone working in the fields of environment, disasters, and community mobilization in an effort to reverse this trend.

First Published in 2004. Routledge is an imprint of Taylor & Francis, an informa company.

Gilbert F. White is the preeminent geographer of natural resources, hazards, and the human environment. During fifty years of professional work as civil servant, scientist, and educator, he authored numerous books and papers. This volume is the first collection of White's work, spanning his interests and career from 1934 to 1984. Individual introductions by the editors place each selection in historical perspective and assay its significance. With the companion volume, Theme from the Work of Gilbert F. White, White's writings, and the work that he inspired, are now readily accessible to all who share his concern for the stewardship of the earth.

Over the course of half a century, Gilbert F. White's work has served to shape and, in several instances, establish many of the fields that have come to be known as the environmental sciences. In this collection of original essays, a companion volume to White's selected writings (volume I), leading scholars in areas such as water supply, environmental hazards, and natural resource

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management interpret changes in these fields since White's work and assess present and future problems. With volume 1, this collection presents a complete and cogent picture of Gilbert White's contribution and the work he inspired.

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