

Jharia Coalfields

ICSE Geography is a series based on the latest syllabus for ICSE schools. They cover all aspects of the subject, such as practical geography, continents and water bodies, their physical features, climate, natural vegetation, resources, utilization and life of the people. Large-sized maps make learning geography a hands-on experience. Exercises on the pattern of the board exams will help children to prepare for them.

This book draws together international contributors to analyse a wide range of aspects of mining history across the globe including mining archaeology, technologies of mining, migration and mining, the everyday life of the miner, the state and mining, industrial relations in mining, gender and mining, environment and mining, mining accidents, the visual history of mining, and mining heritage. The result is a counter balance to more common national and regional case study perspectives.

The Wild East bridges political economy and anthropology to examine a variety of il/legal economic sectors and businesses such as red sanders, coal, fire, oil, sand, air spectrum, land, water, real estate, procurement and industrial labour. The 11 case studies, based across India, Pakistan and Bangladesh, explore how state regulative law is often ignored and/or selectively manipulated. The emerging collective narrative shows the workings of regulated criminal economic systems where criminal formations, politicians, police, judges and bureaucrats are deeply intertwined. By pioneering the field-study of the politicisation of economic crime, and disrupting the wider literature on South Asia's informal economy, The Wild East aims to influence future research agendas through its case for the study of mafia-enterprises and their engagement with governance in South Asia and outside. Its empirical and theoretical contribution to debates about economic crimes in democratic regimes will be of critical value to researchers in Economics, Anthropology, Sociology, Comparative Politics, Political Science and International Relations, Criminologists and Development Studies, as well as to those inside and outside academia interested in current affairs and the relationship between crime, politics and mafia enterprises.

The Coal Nation

Advances in Computational Intelligence

Committees and Commissions in India 1947–73

Just Transition in India: An inquiry into the challenges and opportunities for a post-coal future

Industrial Development and Displacement

Coal and Peat Fires: A Global Perspective, Volume Five: Case Studies - Advances in Field and Laboratory Research, the companion to volumes 1-4, includes the latest research findings about coal and peat fires in the United States, China, India, France, Spain, Poland, and Ireland. Included are chapters about the discovery of microarthropods at two mine fires, the oldest recorded uses of burning coal, the effects of combustion and coal waste on a riverine system, remote sensing analysis of coal fires, gas explosion and spontaneous combustion experiments, and phases associated with the by-products of combustion. This essential reference, along with volumes 1-4, includes a companion website with an interactive world map of coal and peat fires, a collection of slide presentations, research data, and videos: <https://www.elsevier.com/books-and-journals/book-companion/9780128498859> Authored by world-renowned experts in coal and peat fires Global in scope -- covers case studies about fires around the world Includes beautiful color illustrations, valuable research data, a companion website with additional resources, and a periodically updated world map of coal and peat fires

This book describes the outstanding features of the ecology and bio geography of the Indian region, comprising former British India, Nepal, Bhutan, Ceylon and Burma. It summarizes the results of nearly four decades' studies and field explorations and discussions with students on the distribution of plants and animals, practically throughout this vast area and on the underlying factors. A number of specialists in geology, meteorology, botany, zoology, ecology and anthropology have also actively collaborated with me and have contributed valuable chapters in their respective fields. India has an exceptionally rich and highly diversified flora and fauna, exhibiting complex composition, character and affinities. Although the fauna of the Indian region as a whole is less completely known than its flora, we are nevertheless fairly well acquainted with at least the salient features of its faunal characters to enable us to present a meaningful discussion on some of the outstanding peculiarities of the biogeography of India. A general synthesis of the available, though much scattered, information should prove useful to future students of biogeography throughout the world.

Pratiyogita Darpan (monthly magazine) is India's largest read General Knowledge and Current Affairs Magazine. Pratiyogita Darpan (English monthly magazine) is known for quality content on General Knowledge and Current Affairs. Topics ranging from national and international news/ issues, personality development, interviews of examination toppers, articles/ write-up on topics like career, economy, history, public administration, geography, polity, social, environment, scientific, legal etc. solved papers of various examinations, Essay and debate contest, Quiz and knowledge testing features are covered every month in this magazine.

Information Circular

Criminal Political Economies in South Asia

Natural Resources in Tropical Countries

Engineering Geology

Themes and Agendas

Social science research is emerging on a range of issues around large and small-scale mining, connecting them to broader social, cultural, political, historical and economic factors rather than purely measuring the environmental impacts of mining. Within this broader context of global scholarly attention on extractive industries, this book explores two specific contexts: the cultural politics of coal and coal mining, within the context of one particular country, India, which is the third largest coal producer in the world. Both contexts are special; with its separate Ministry, coal occupies pride of place in contemporary India, shaping the energy future and influencing the economic and political milieu of the country. The supremacy attributed to coal mining in contemporary India represents how 'coal nationalism' has replaced 'coal colonialism' in the country, turning this commodity into an icon, a national symbol. In recent years the extraction of coal in forest-covered resource peripheries has dispossessed and impoverished many tribal and rural communities who have used these resource-rich lands for their livelihoods for generations. The combustion of coal to produce electricity constitutes the compelling need, and the factor that prevents the Indian state from fully engaging with the impending realities of a climate-changed future. All these reasons make the timing of this book of crucial importance. In particular, The Coal Nation explores the complex history of coal in India: from its colonial legacies to contemporary cultural and social impacts of mining; land ownership and moral resource rights; protective legislation for coal as well as for the indigenous and local communities; the question of legality, illegitimacy and illicit mining and of social justice. Presenting cutting-edge multidisciplinary social science research on coal and mining in India, The Coal Nation initiates a productive dialogue amongst academics and between them and activists.

This book addresses unconventional hydrocarbon resources in India and the prospects for their exploitation. Each chapter focuses on a particular unconventional resource, including gas hydrates, coal bed methane and shale, while the book as a whole takes into account the government's projections concerning these resources. The book provides readers with essential information on the nation's energy requirements, methods of exploiting its available unconventional resources, and their contribution to meeting India's energy requirements. It also addresses the various geological conditions that are necessary for the exploration of these resources, and enables readers to understand the challenges that need to be overcome. Its logical, clearly structured chapters make the book an ideal starting point for readers interested in unconventional energy resources. It will especially benefit undergraduate and graduate students in the field of Energy Engineering, as well as academic researchers and industry professionals seeking an overview of the status quo of unconventional hydrocarbon resources in India.

This book incorporates original and review articles on several aspects of petroleum geosciences from Indian terrains, both onshore and offshore, and includes diverse geological (tectonic, sedimentological, organic geochemical, paleontological, stratigraphic, modelling and various others), geophysical methods and policy aspects.

Urbanization in India During the British Period (1857-1947)

Elements of Fuel & Combustion Technology

Coal Geology

Coal Industry of India

The proceedings of the 11th International Mine Ventilation Congress (11th IMVC), is focused on mine ventilation, health and safety and Earth science. The IMVC has become the most influential international mine ventilation event in the world, and has long been a popular forum for ventilation researchers, practitioners, academics, equipment manufacturers and suppliers, consultants and government officials around the globe to explore research results, exchange best practices, and to launch new products for a better and safer industry. It also serves as a useful platform to attract and train future ventilation professionals and mine planning engineers, as well as for mining companies to discover better practices to provide better ventilation planning.

Engineering Geology is a multidisciplinary subject which interacts with other disciplines, such as mineralogy, petrology, structural geology, hydrogeology, seismic engineering, rock engineering, soil mechanics, geophysics, remote sensing (RS-GIS-GPS), environmental geology, etc. Engineers require a deeper understanding, interpretation and analyses of earth sciences before suggesting engineering designs and remedial measures to combat natural disasters, such as earthquakes, volcanoes, landslides, debris flows, tsunamis, and floods. This book covers all aspects of Engineering Geology and is intended to serve as a reference for practicing civil engineers and mining engineers. Engineering Geology has also been designed as a textbook for students pursuing undergraduate and postgraduate courses in advanced/applied geology and earth sciences. A plethora of examples and case studies relevant to the Indian context have been included, for better understanding of the geological challenges faced by engineers.

Urban history is a rapidly expanding interdisciplinary field of research. The rate of urban growth in the twentieth century has also stimulated interest in the city as an object of socio-historical inquiry. Some historical studies on individual Indian cities like Bombay, Calcutta, Cawnpore, Delhi, Bangalore, Ahmedabad, Surat and Madras have primarily explored the growth of urban centres by tracing their histories under colonial rule. This study offers a macro picture of the urban process under British administration, giving an understanding of how colonial capitalism shaped and imposed urban patterns in India. It contextualizes the urbanization of India in the world capitalist system of the late nineteenth and early twentieth century, explaining the multifaceted historical conditions in 1857, just before the imposition of direct Crown rule. Sahoo examines the socio-economic developments and demographic changes in India under British rule and analyzes the impact of the world capitalist economy, the pattern of urbanization under British rule, and the contribution of railways to urbanization. This volume is a profile of India's primate cities, identifying the core, the periphery and the underdeveloped hinterlands.

Coal Preparation

Annual Report

Mine Drainage and Surface Mine Reclamation

Making Sense of Mining History

The Indian Labour Year Book

This set of conference proceedings provide a package of stimulus ideas, development strategies, and initiatives on such themes as: environmental issues; environmental practices; environmental policy and legislation; sustainable development vis-a-vis environmental management.

'This is among the most important books in recent Indian literature and scholarship on involuntary resettlement. MARG's researchers have collectively produced a compelling, in-depth, and lively social account that must be read by many. The book is replete with unexpected questions and fresh ideas on many issues and unsolved problems in resettlement practice' - Professor Michael M Cernea, World Bank The issues of people being forced to abandon their homelands is a matter of global concern. In India, the displacement of local inhabitants due to large development projects such as big dams, has received a fair amount of attention both from activists, researchers and the media. However the nature and consequences of displacement caused by urban development or by the development of industrial clusters is an area that has so far received scant attention. This significant book is based on intensive fieldwork in Korba, a little known multi-project industrial area in Chhattisgarh. It describes the impact of piecemeal industrial development, and its consequent environmental degradation, on the lives of the original inhabitants of the region.

This book presents the proceedings of the International Conference on Computational Intelligence 2018 (ICCI 2018). It brings together work by leading scientists, researchers and research scholars from around the globe on all aspects of computational intelligence. The work is mainly composed of the original and unpublished results of conceptual, constructive, empirical, experimental, or theoretical work in all areas of computational intelligence. Specifically, the major topics covered include classical computational intelligence models and artificial intelligence, neural networks and deep learning, evolutionary swarm and particle algorithms, hybrid systems optimization, constraint programming, human-machine interaction, computational intelligence for web analytics, robotics, computational neurosciences, neurodynamics, bioinspired and biomorphic algorithms, cross-disciplinary topics and applications.

Compendium on update and revised geology of Jharia coalfields (excluding TISCO & HSCO properties

Energy, Environment and Resource Development

Mine reclamation, abandoned mine lands and policy issues

Report - Govt. of India, Dept. of Mines

Advanced Technology in Exploration and Exploitation of Minerals 2nd

Coal, the backbone of India's energy and industrial sector, is the single largest contributor to greenhouse gas emissions. However, the future of coal is becoming uncertain in the face of climate change concerns. Coal power is also losing its edge due to the decline of renewable energy prices and rising environmental pollution control costs. Coal phase-out, therefore, seems to be an inevitability. But coal is an important source of income for millions of people and drives the economy in India's coal mining states and districts. In the coming years, how can these people and regions transition away from the coal economy? Just Transition has emerged as concept globally to ensure that coal-dependent communities and regions do not become the victims of coal phase-out. It has also been included as a key component of the Paris Agreement. This book aims to understand what just transition means for India, detailing the risks and opportunities of coal phase-out. It builds on an in-depth research of a top coal mining district of Jharkhand, where many coal mines are already closed. It also proposes what coal mining districts and governments should do to plan for a just transition. Being the first case study from India, it offers an important perspective of the global South on just transition.

Mining EnvironmentICRC Press

This book contains detailed description of solid, liquid, gaseous fuels, combustion and furnaces. Beside short questions and answers and multiple choice questions & answers and multiple choice questions; answers drawn from the examination papers of various engineering Colleges and professional bodies examinations are also included. The book will be useful for degree & diploma curriculum of various branches of Engineering and for various associate membership examinations conducted by professional bodies like Institution of Engineers (AMIE), Indian Institute of Metals(AMIM), Indian Institute of Chemical Engineers(AMICHe), Institute of Chemicals etc.

Applied Geology (For Anna

Exploring the Earth geography textbook for ICSE class x

Indian Mines Act

Volume 5: Case Studies - Advances in Field and Laboratory Research

Histories, Ecologies and Politics of Coal in India

Coal Geology provides a complete integrated handbook on coal and all its properties, covering the physical and chemical properties of coal as well as coal petrology. It describes the age and occurrence of coal; coal sampling and analysis; coal exploration; geophysics and hydrogeology of coal and coal mining techniques. It also discusses environmental concerns and computer technology, and includes an update on global coal reserves and production figures. First reference book to cover all aspects of coal geology in one volume Includes current thinking on environmental issues Presents a useful synopsis of the alternative uses of coal as a fuel Contains the distribution and reserves of coal deposits worldwide Offers a summary of the use of computing in coal studies, as well as coal sales and marketing opportunities Includes International Standards listings This up-to-date handbook successfully bridges the gap between academic aspects of coal geology and the practical role of geology in the coal industry and will be invaluable for all professionals and students in coal geology, geotechnical and mining engineering, and environmental science.

Comprises summary recommendations and limitations of public inquiry commissions appointed by the Govt. of India.

Applied Geology is a multidisciplinary subject that interacts with other disciplines, such as mineralogy, petrology, structural geology, hydrogeology, seismic engineering, rock engineering, soil mechanics, geophysics, remote sensing (RS-GIS-GPS), environmental geology, etc. This book, entitled Applied Geology, is the only one of its kind in the Indian market that caters to the needs of all these subjects. This book covers all aspects of Applied Geology and is intended to serve BTech students. A plethora of examples and case studies relevant to the Indian context have been included for better understanding of the geological challenges faced by engineers.

Proceedings of Second International Conference on Computational Intelligence 2018

Jharia Coalfields

Mineral wealth

Geography 10

Ecology and Biogeography in India

Papers presented at a conference held in 2003 in Dhanbad, India; with reference to the coalfields of Jharia in India.

The People of Korba

Proceedings of the 11th International Mine Ventilation Congress

A. K. Ghosh Commemoration Volume. Proceedings of the Symposium on Evolutionary Botany and Biostatigraphy

Petroleum Geosciences: Indian Contexts

Advances in Chemical, Bio and Environmental Engineering