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This book examines the role of Hindu-inspired faith movements (HIFMs) in contemporary India as actors in social transformation. It further situates these movements in the context of the global political economy where such movements cross national boundaries to locate believers among the Hindu diaspora and others. In contemporary neoliberal India, HIFMs have become important actors,

and they realize themselves by making public assertions through service. The four pillars of the contemporary presence of such movements are: gurus, sociality, hegemony and social transformation. Gurus, who spearhead these movements, create a matrix of possible meanings in their public discourses which their followers pick up to create messages of personal and social change. Sociality is a core strategy of proliferation across such movements and implies social service, which is qualified by memories of the guru and what they are believed to embody. Hegemony is reflected in the fact that social service in such movements often ominously imbibes right-wing or far-right Hinduism. They propose a model of Hindu-inspired social transformation, involving faith building into and transforming the civil society. The book discusses in a nuanced way several Hindu-inspired faith movements of various hues which have made national and international impact. This topical book is of interest to students and researchers in the fields of sociology, anthropology, social work, and social psychology, with a special interest in the study of religious movements. India, bounded by the majestic Himalayan ranges in the North and edged by an endless stretch of golden beaches, is the land of hoary tradition and cultural diverse. Vivid kaleidoscope of landscapes, glorious historical sites and royal cities, misty mountain hideaways, colourful people, rich civilizations and festivities craft India Incredible. Recent years have witnessed the educational scene, especially the higher education sector in the State undergoing a sea change in respect of quality, diversity and accessibility in tune with the global trends. Kerala's surge in the educational front is to be viewed in the backdrop of the country's great legacy in education. India has been a major seat of learning for thousands of years. The country was home to Takshashila, the first university in the world and Aryabhama, the inventor of the digit Zero. In fact, education in Kerala has now become more value added and affordable, thanks to the proactive initiatives of the State Government and active involvement of the private sector. Moreover, in the higher education market, Kerala has a significant edge in respect of cost which means that there would be growing influx of candidates into the state from outside the state for better and affordable professional education in the days to come. With the most sought after professionals and excellent network of institutes Kerala is becoming the very preferred educational destination in the world. And, we are equipped for you with some elucidations which step-up her significance in the educational map. In Campus Plus, we propose some valuable information along with a number of educational institutes in the State which will be useful for the students and parents in the higher education scenario. This book examines the words and actions of people who live in regions in the state of Maharashtra in Western India to illustrate the idea that regions are not only

created by humans, but given meaning through religious practices. By exploring the people living in the area of Maharashtra, Feldhaus draws some very interesting conclusions about how people differentiate one region from others, and how we use stories, rituals, and ceremonies to recreate their importance. Feldhaus discovers that religious meanings attached to regions do not necessarily have a political teleology. According to Feldhaus, 'There is also a chance, even now, that religious imagery can enrich the lives of individuals and small communities without engendering bloodshed and hatred'. Rapid depletion and degradation of species in diverse ecosystems and the implications of this for human welfare have the cause for increasing concern. Biodiversity or variability among living organisms and the ecological complexes of which they are a part, is essential for ensuring the basic ecological services and resources necessary for sustaining human welfare. The loss of biodiversity is therefore, considered one of the most serious problem threatening the world today. An understanding of the ecological implications of the increasing loss of biodiversity, not to mention of the economic implications, has therefore, become vital. A biodiversity loss is irreversible. A calls for increased caution in our efforts to convert and exploit natural resources. Some minimal level of biodiversity is necessary to maintain ecological functioning, which in turn is necessary for generating the biological resources on which human welfare depends. Needless to emphasize that substantial biodiversity loss occurs due to forest clearing and degradation, leading to the need for assessing biodiversity in different ecosystems. Keeping these aspects in mind, the present volume highlights biodiversity in different cropping systems besides that the impact of cold and hot deserts. Selection of the topics in the various chapters is essentially because of the experience of the authors in the field of biodiversity. "Kerala, a narrow stretch of land cuddled on the foothills of Western ghats is bestowed with nature's magic and has awesome rank among tourist destinations globally. Kerala society is evolved through spectacular religious and reform movements. The book is a compilation of 17 chapters which promulgates the rich tradition, biodiversity, politics, governance, climate change and health of Kerala State which outlines history, current state and future. The book is very helpful for those who seek answers about the multicultural society ladder and Kerala Model success stories with an in depth and panoramic approach"-- Publisher Description This book discusses emerging issues concerning ageing in India, describes the multi-layered vulnerabilities of older adults in the context of health care and caregiving, and explores social, legal and economic perspectives. It also analyses the existing policies and programmes intended to address these age-related issues and assesses the importance of preventive geriatrics towards active ageing, as well as the current

scenario of institutional care for the elderly in India. Gathering fifteen chapters written by leading researchers in the fields of geriatrics, social work, anthropology, sociology, psychiatry, economics, law and mental health, the book presents the latest findings on ageing-related topics such as elderly health, family change, old age homes, age friendly environments and the role of integrative medicine. Accordingly, it offers a valuable resource for researchers, academics, practitioners and policymakers in the areas of gerontology, demography and sociology, as well as all those interested in the study of ageing populations. Currently, the major challenge of humanity is focused on population growth through agricultural production in order to meet the demand for food. The food crunch is mainly due to pest and disease. Traditional methods, synthetic insecticides and microbicides cause health hazards to human beings, domestic animals and also affect our immediate environments. Serious concerns were implemented by both developing and developed countries as Integrated Pest Management (IPM) and Bio-intensive Integrated Pest Management (BIPM) systems where biopesticides play an important role worldwide. The available books are limited to particular aspects of biopesticides. Hence, it is imperative to bring out a holistic documentation which will provide the reader information on all aspects of biopesticides. The book consists of five sections namely microbials, botanicals, natural enemies semio-chemicals and biotechnology and equipments, bioinformatics tools and IPM. In Section I, microbial deals with utilization of *Bacillus* in control of phytonematodes; biological control of pest and diseases with fluorescent pseudomonads, entomopathogenic fungus and entomopathogenic nematodes in pest management, microbial viral insecticides and microbial elicitors to induce immunity for plant disease control in chilli and tomato. Importance of plant essential oils, botanicals in endocrine disruption, relevance of botanicals and use of plant volatile on pest management has been discussed in Section II. Importance and role of reduviidae, weaver ants, ground beetles, Odonatas, spiders in biological control has been discussed in Section III. In addition, genetic improvement of biocontrol agents for sustainable pest management has also been highlighted. In Section IV, classical practices and pheromone, kairomonal enhancement to natural enemies and use of transgenic plants in insect control are highlighted. Equipment and their application methodologies for application of biopesticides; relevance of bioinformatics in biopesticides management; pest management of soybean, bio fouling and eco friendly antifoulants have been highlighted in Section V. Each chapter has objectives and conclusion along with recommendations. Forest Resources Resilience and Conflicts presents modern remote sensing and GIS techniques for Sustainable Livelihood. It provides an up-to-date critical analysis of the

discourse surrounding forest resources and society, illustrating the relationship between forest resources and the livelihood of local people. The book is organized into four parts consisting of 31 chapters. Each chapter then reviews current understanding, present research, and future implications. Utilizing case studies and novel advances in geospatial technologies, *Forest Resources Resilience and Conflicts* provides a timely synthesis of a rapidly growing field and stimulates ideas for future work, especially considering sustainable development goals. In addition, the book presents the effective contribution of the forestry sector to populations' livelihoods through improved collection of forestry statistics that foster the understanding and integration of the forestry sector in poverty reduction processes and the national economy to enhance its integration in national planning. It is a valuable resource for researchers and students in environmental science, especially those interested in forestry, geography, and remote sensing.

- Demonstrates tools and techniques for measurement, monitoring, mapping, and modeling of forest resources
- Explores state-of-the-art techniques using open source software, statistical programming, and GIS, focusing on recent trends in data mining and machine learning
- Addresses a wide range of issues with both environmental and societal implications
- Provides a global review of the multiple roles of forest resources utilizing case studies to illustrate management strategies and techniques

Contributed articles honoring professor R. Viswanathan.

*Recycling of Polymers* This timely reference on the topic is the only book you need for a complete overview of recyclable polymers. Following an introduction to various polymer structures and their resulting properties, the main part of the book deals with different methods of recycling. It discusses in detail the recycling of such common polymers as polyethylene, polypropylene and PET, as well as rubbers, fibers, engineering polymers, polymer blends and composites. The whole is rounded off with a look at future technologies and the toxicological impact of recycled polymers. An indispensable reference source for those working in the field, whether in academia or industry, and whether newcomers or advanced readers.

India, bounded by the majestic Himalayan ranges in the North and edged by an endless stretch of golden beaches, is the land of hoary tradition and culturally diverse. The vivid kaleidoscope of landscapes, glorious historical sites and royal cities, misty mountain hideaways, colourful people, rich civilizations and festivities craft India Incredible. Recent years have witnessed the educational scene, especially the higher education sector in the State undergoing a sea change in respect of quality, diversity and accessibility in tune with the global trends. Kerala's surge in the educational front is to be viewed in the backdrop of the country's great legacy in education. India has been a major seat of learning for thousands of years. The

country was home to Takshashila, the first university in the world and Aryabhata, the inventor of the digit Zero. In fact, education in Kerala has now become more value-added and affordable, thanks to the pro-active initiatives of the State Government and active involvement of the private sector. Moreover, in the higher education market, Kerala has a significant edge in respect of cost which means that there would be growing influx of candidates into the state from outside the state for better and affordable professional education in the days to come. With the most sought-after professionals and the excellent network of institutes, Kerala is becoming the very preferred educational destination in the world. And, we are equipped for you with some elucidations which step-up her significance in the educational map. In Campus Plus, we propose some valuable information along with a number of educational institutes in the State which will be useful for the students and parents in the higher education scenario. Polymeric foams or cellular or expanded polymers have characteristics that makes their usage possible for several industrial and household purposes. This book is focused on the recent advancements in the synthesis of polymer foams, various foaming methods, foaming technology, mechanical and physical properties, and the wide variety of its applications. Divided into 11 chapters, it explains empirical models connecting the geometrical structure of foams with their properties including structure-property relations. This book: Describes functional foams, their manufacturing methods, properties, and applications. Covers various blowing agents, greener methods for foaming, and their emerging applicability. Illustrates comparative information regarding polymeric foams and their recent developments with polymer nanocomposite foams. Includes applications in mechanical, civil, biomedical, food packaging, electronics, health care industry, and acoustics fields. Reviews elastomeric foams and their nanocomposite derivatives. This book is aimed at researchers and graduate students in materials science, mechanical engineering, and polymer science. India, bounded by the majestic Himalayan ranges in the North and edged by an endless stretch of golden beaches, is the land of hoary tradition and cultural diversity. A vivid kaleidoscope of landscapes, glorious historical sites and royal cities, misty mountain hideaways, colourful people, rich civilizations and festivities craft India Incredible. Recent years have witnessed the educational scene, especially the higher education sector in the State undergoing a sea change in respect of quality, diversity and accessibility in tune with the global trends. Kerala's surge in the educational front is to be viewed in the backdrop of the country's great legacy in education. India has been a major seat of learning for thousands of years. The country was home to Takshashila, the first university in the world and Aryabhata, the inventor of the digit Zero. In fact, education in Kerala has now

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Illuminates the centrality of courtliness in the political and cultural life of the Deccan in the fifteenth and sixteenth centuries. Originally published in 1999, David Ludden's book offers a comprehensive historical framework for understanding the regional diversity of agrarian South Asia. Adopting a long-term view of history, it treats South Asia not as a single civilization territory, but rather as a patchwork of agrarian regions, each with their own social, cultural and political histories. The discussion begins during the first millennium, when farming communities displaced pastoral and tribal groups, and goes on to consider the development of territoriality from the sixteenth to the nineteenth centuries.

Subsequent chapters consider the emergence of agrarian capitalism in village societies under the British, and demonstrate how economic development in contemporary South Asia continues to reflect the influence of agrarian localism. As a comparative synthesis of the literature on agrarian regimes in South Asia, the book promises to be a valuable resource for students of agrarian and regional history as well as of comparative world history. This book is the first

comprehensive collection of electronic aspects of different kinds of elastomer composites, including combinations of synthetic, natural and thermoplastic elastomers with different conducting fillers like metal nanoparticles, carbon nanotubes, or graphenes, and many more. It covers elastomer composites, which are useful in electronic applications, including chemical and physical as well as material science aspects. The presented elastomer composites have great potential for solving emerging new material application requirements, for example as flexible and wearable electronics. The book is structured and organized by the rubber/elastomer type: each chapter describes a different elastomer matrix and its composites. While introducing to important fundamentals, it is application-oriented, discussing the current issues and challenges in the field of elastomer composites. This book will thus appeal to researchers and scientists, to engineers and technologists, but also to graduate



students, working on elastomer composites, or on electronics engineering with the composites, providing the readers with a sound introduction to the field and solutions to both fundamental and applied problems. Polyhedral Oligomeric Silsesquioxane (POSS) Polymer Nanocomposites: From Synthesis to Applications offers extensive coverage of polyhedral oligomeric silsesquioxanes and their nanocomposites, including their synthesis, characterization, interfacial interactions and advanced applications. Sections introduce essentials, information on their preparation and discussions on polymeric materials, including elastomers, thermoplastics, thermosetting polymers, polymer blends and IPNs. Further sections cover the latest analysis techniques, examine the properties of POSS-polymer nanocomposites, and discuss key application areas, such as biological, energy, defense, and space. Finally, issues surrounding industry implementation and lifecycle are explored. This is a valuable reference for researchers, scientists and advanced students in the areas of polymer composites and nanocomposites, polymer chemistry, polymer physics, polymer science, and materials science and engineering. In an industrial setting, this book will be of great interest to scientists, R&D professionals, and engineers across industries and disciplines. Covers all aspects of polyhedral oligomeric silsesquioxanes (POSS) and their nanocomposites, including synthesis and characterization techniques, properties, analysis, applications and trends Targets POSS nanocomposites, describing synthesis, characterization and the selection of POSS filler types according to polymeric material Explains the preparation and utilization of POSS polymer nanocomposites for cutting-edge applications, including biological, energy, and defense field applications This Handbook covers the fundamentals of carbon nanotubes (CNT), their composites with different polymeric materials (both natural and synthetic) and their potential advanced applications. Three different parts dedicated to each of these aspects are provided, with chapters written by worldwide experts in the field. It provides in-depth information about this material serving as a reference book for a broad range of scientists, industrial practitioners, graduate and undergraduate students, and other professionals in the fields of polymer science and engineering, materials science, surface science, bioengineering and chemical engineering. Part 1 comprises 22 chapters covering early stages of the development of CNT, synthesis techniques, growth mechanism, the physics and chemistry of CNT, various innovative characterization techniques, the need of functionalization and different types of functionalization methods as well as the different properties of CNT. A full chapter is devoted to theory and simulation aspects. Moreover, it pursues a significant amount of work on life cycle analysis of CNT and toxicity aspects. Part 2 covers CNT-based polymer nanocomposites in approximately 23

chapters. It starts with a short introduction about polymer nanocomposites with special emphasis on CNT-based polymer nanocomposites, different manufacturing techniques as well as critical issues concerning CNT-based polymer nanocomposites. The text deeply reviews various classes of polymers like thermoset, elastomer, latex, amorphous thermoplastic, crystalline thermoplastic and polymer fibers used to prepare CNT based polymer composites. It provides detailed awareness about the characterization of polymer composites. The morphological, rheological, mechanical, viscoelastic, thermal, electrical, electromagnetic shielding properties are discussed in detail. A chapter dedicated to the simulation and multiscale modelling of polymer nanocomposites is an additional attraction of this part of the Handbook. Part 3 covers various potential applications of CNT in approximately 27 chapters. It focuses on individual applications of CNT including mechanical applications, energy conversion and storage applications, fuel cells and water splitting, solar cells and photovoltaics, sensing applications, nanofluidics, nanoelectronics and microelectronic devices, nano-optics, nanophotonics and nano-optoelectronics, non-linear optical applications, piezo electric applications, agriculture applications, biomedical applications, thermal materials, environmental remediation applications, anti-microbial and antibacterial properties and other miscellaneous applications and multi-functional applications of CNT based polymer nanocomposites. One chapter is fully focussed on carbon nanotube research developments: published papers and patents. Risks associated with carbon nanotubes and competitive analysis of carbon nanotubes with other carbon allotropes are also addressed in this Handbook. This book is about the landlords or the revenue officers of the administrative system recognized as the Watan System which was rampant for more than five centuries before India's independence. With a focus on the Deshmukhi Watan or the Desgut, held by Deshmukhs or Desais, this volume presents the hierarchy of the chain of officers like the Patils, Deshpandes, Kulkarnis, etc., and attempts to reflect on the status accorded to them by the society and the treatment they received from the British in the 19th century. Topics explored in this volume relate to the administrative history, the judicial institutions, laws of inheritance, role of religion, commonness of superstition, customs and traditions, etc. We find ample citations of the authoritative sources backing the views expressed by the author at every turn as we proceed. The book has a foreword written by Dr. Teotonio R. de Souza, a historian and the founder of Xavier Center for Historical Research, Goa. Transport Properties of Polymeric Membranes is an edited collection of papers that covers, in depth, many of the recent technical research accomplishments in transport characteristics through polymers and their applications. Using the

transport through polymer membranes method leads to high separation efficiency, low running costs, and simple operating procedures compared to conventional separation methods. This book provides grounding in fundamentals and applications to give you all the information you need on using this method. This book discusses the different types of polymer, their blends, composites, nanocomposites and their applications in the field of liquid, gas and vapor transport. Some topics of note include modern trends and applications of polymer nanocomposites in solvent, vapor and gas transport; fundamentals and measurement techniques for gas and vapor transport in polymers; and transport properties of hydrogels. This handpicked selection of topics, and the combined expertise of contributors from global industry, academia, government and private research organizations, make this book an outstanding reference for anyone involved in the field of polymer membranes. Presents current trends in the field of transport of liquid, gas and vapor through various polymeric systems Features case studies focused on industrial applications of membrane technology, along with fundamentals of transport and materials Helps readers quickly look up a particular technique to learn key points, capabilities and drawbacks Every year, the World Bank's World Development Report (WDR) features a topic of central importance to global development. The 2018 WDR—LEARNING to Realize Education's Promise—is the first ever devoted entirely to education. And the time is right: education has long been critical to human welfare, but it is even more so in a time of rapid economic and social change. The best way to equip children and youth for the future is to make their learning the center of all efforts to promote education. The 2018 WDR explores four main themes: First, education's promise: education is a powerful instrument for eradicating poverty and promoting shared prosperity, but fulfilling its potential requires better policies—both within and outside the education system. Second, the need to shine a light on learning: despite gains in access to education, recent learning assessments reveal that many young people around the world, especially those who are poor or marginalized, are leaving school unequipped with even the foundational skills they need for life. At the same time, internationally comparable learning assessments show that skills in many middle-income countries lag far behind what those countries aspire to. And too often these shortcomings are hidden—so as a first step to tackling this learning crisis, it is essential to shine a light on it by assessing student learning better. Third, how to make schools work for all learners: research on areas such as brain science, pedagogical innovations, and school management has identified interventions that promote learning by ensuring that learners are prepared, teachers are both skilled and motivated, and other inputs support the teacher-learner relationship. Fourth, how

to make systems work for learning: achieving learning throughout an education system requires more than just scaling up effective interventions. Countries must also overcome technical and political barriers by deploying salient metrics for mobilizing actors and tracking progress, building coalitions for learning, and taking an adaptive approach to reform. From flammable tap water and sick livestock to the recent onset of hundreds of earthquakes in Oklahoma, the impact of fracking in the United States is far-reaching and deeply felt. In *Fractivism* Sara Ann Wylie traces the history of fracking and the ways scientists and everyday people are coming together to hold accountable an industry that has managed to evade regulation. Beginning her story in Colorado, Wylie shows how nonprofits, landowners, and community organizers are creating novel digital platforms and databases to track unconventional oil and gas well development and document fracking's environmental and human health impacts. These platforms model alternative approaches for academic and grassroots engagement with the government and the fossil fuel industry. A call to action, *Fractivism* outlines a way forward for not just the fifteen million Americans who live within a mile of an unconventional oil or gas well, but for the planet as a whole.

*Polymer Nanocomposite Membranes for Pervaporation* assesses recent applications in the pervaporation performance of polymer nanocomposites of different length scales. The book discusses the effects of a range of nanofillers, their dispersion, the effect of different polymers, and organic and inorganic nanomaterials in the pervaporation process. In addition, the book explores how the different properties of a variety of nanocomposite materials make them better for use in different types of liquids, while also discussing the challenges of using different nanocomposites for this purpose effectively and safely. In particular, polymer nanocomposites for g nanoscale dispersion, filler/polymer interactions, and morphology are addressed. This is an important reference source for materials scientists, chemical engineers and environmental engineers who want to learn more about how polymer nanocomposites are being used to make the pervaporation separation process more effective. Explores the progress that has been made in recent years in using polymer nanocomposites to enhance the pervaporation separation process Discusses the different properties of a variety of nanocomposite classes, assessing which situations they should best be used in Outlines major challenges in safely and effectively using polymer nanocomposites in the pervaporation separation process

India, bounded by the majestic Himalayan ranges in the North and edged by an endless stretch of golden beaches, is the land of hoary tradition and cultural diverse. Vivid kaleidoscope of landscapes, glorious historical sites and royal cities, misty mountain hideaways, colourful people, rich civilizations and festivities craft India

Incredible. Recent years have witnessed the educational scene, especially the higher education sector in the State undergoing a sea change in respect of quality, diversity and accessibility in tune with the global trends. Kerala's surge in the educational front is to be viewed in the backdrop of the country's great legacy in education. India has been a major seat of learning for thousands of years. The country was home to Takshashila, the first university in the world and Aryabhata, the inventor of the digit Zero. In fact, education in Kerala has now become more value added and affordable, thanks to the pro-active initiatives of the State Government and active involvement of the private sector. Moreover, in the higher education market, Kerala has a significant edge in respect of cost which means that there would be growing influx of candidates into the state from outside the state for better and affordable professional education in the days to come. With the most sought after professionals and excellent network of institutes Kerala is becoming the very preferred educational destination in the world. And, we are equipped for you with some elucidations which step-up her significance in the educational map. In Campus Plus, we propose some valuable information along with a number of educational institutes in the State which will be useful for the students and parents in the higher education scenario. Visual Data Mining—Opening the Black Box Knowledge discovery holds the promise of insight into large, otherwise opaque datasets.

The nature of what makes a rule interesting to a user has been discussed widely but most agree that it is a subjective quality based on the practical usefulness of the information. Being subjective, the user needs to provide feedback to the system and, as is the case for all systems, the sooner the feedback is given the quicker it can influence the behavior of the system. There have been some impressive research activities over the past few years but the question to be asked is why is visual data mining only now being investigated commercially? Certainly, there have been arguments for visual data mining for a number of years – Ankerst and others argued in 2002 that current (autonomous and opaque) analysis techniques are inefficient, as they fail to directly embed the user in dataset exploration and that a better solution involves the user and algorithm being more tightly coupled. Grinstein stated that the “current state of the art data mining tools are automated, but the perfect data mining tool is interactive and highly participatory,” while Han has suggested that the “data selection and viewing of mining results should be fully interactive, the mining process should be more interactive than the current state of the art and embedded applications should be fairly automated .” A good survey on 3 techniques until 2003 was published by de Oliveira and Levkowitz . A stunning new edition that brings together all of Larkin's poems in addition to some unpublished pieces. Bioenergy Crops: A

Sustainable Means of Phytoremediation comprises a unique combination of topics related to the field of phytoremediation and bioenergy production. It highlights the future face of industries in phytoremediation and bioenergy production. The book deals with most promising plant and alga species for biomass production and phytoremediation. It deals with constructed wetlands, bioremediation and microbial fuel cells with case studies of phytoremediation and bioenergy production. The comprehensive knowledge on the dual aspects of hyperaccumulators in phytoremediation and bioenergy production guides graduates, post-graduates as well as researchers to know the latest updates in the field. Key Features:

- Presents dual aspects of hyperaccumulators in phytoremediation and bioenergy production.
- Highlights the future face of industries in phytoremediation and bioenergy production.
- Focuses the promising candidates exploits as hyperaccumulator and biomass producers.
- Explains the role of algae and microbes in bioremediation and bioenergy production.
- Represents a comprehensive, up-to-date analysis in the field of phytoremediation as well as bioenergy production.

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