

Guna Fibre Case Analysis

The book presents innovations in green computing technologies. A large number of computing devices and cellular phones being produced and discarded is hurtling us toward a global environmental disaster. In the last fifty years, the earth has experienced rapid changes in climate, increasingly severe droughts, rising seawater levels, seawater acidification, increased depletion of groundwater reserves, and the global rise of temperature. Green computing technologies are crucial in protecting our universe from environmental hazards and pollution. Over four sections, this book examines green computing industries and technologies. Chapters cover such topics as wideband systems, Internet connectivity, the environment, and more.

This Dictionary includes the vocabulary of Post-Vedic literature with emphasis on philosophical, grammatical and rhetorical terms. Further this is the only handy dictionary of its kind which breaks a word into its component parts and refers to the roots deducible from Sanskrit derivatives alone by way of comparative derivatives alone by way of comparative philological analysis. The work is therefore highly useful for the etymological analysis and linguistic training. This is a reproduction of a book published before 1923. This book may have occasional imperfections such as missing or blurred pages, poor pictures, errant marks, etc. that were either part of the original artifact, or were introduced by the scanning process. We believe this work is culturally important, and despite the imperfections, have elected to bring it back into print as part of our continuing commitment to the preservation of printed works worldwide. We appreciate your understanding of the imperfections in the preservation process, and hope you enjoy this valuable book.

In the last fifty years, the Earth has experienced rapid changes in climate, increasingly severe droughts, rising seawater levels, seawater acidification, increased depletion of groundwater reserves, and global rise of temperature. Green technologies for recycling waste, particularly electronic waste, which is increasing at an alarming rate, may be a potential solution to environmental pollution. Divided into three sections, this book presents comprehensive information on green technologies. Section 1 presents innovations in green electronic technologies, Section 2 discusses recycling and waste management, and Section 3 discusses innovation and economics in global green technologies.

This account of culture and society in the villages of West Sumatra, Indonesia, during the period of Dutch colonialism is based on materials collected from the colonial archives, local Indonesian newspapers and recent fieldwork in Malaysia and Indonesia. The author argues that the impact of colonial land-grabbing and political control led to the formation of a peasant economy in the period. At the same time, the author tackles issues in the recent anthropological debates about ethnography and culture to argue that this period also witnessed the construction of what we now call 'Minangkabau

Culture' - a process that involved western ethnographers, colonial officials and Minangkabau intellectuals in an often conflicted process of modern cultural transformation.

Sustainable Industrial Design and Waste Management was inspired by the need to have a text that enveloped awareness and solutions to the ongoing issues and concerns of waste generated from industry. The development of science and technology has increased human capacity to extract resources from nature and it is only recently that industries are being held accountable for the detrimental effects the waste they produce has on the environment. Increased governmental research, regulation and corporate accountability are digging up issues pertaining to pollution control and waste treatment and environmental protection. The traditional approach for clinical waste, agricultural waste, industrial waste, and municipal waste are depleting our natural resources. The main objective of this book is to conserve the natural resources by approaching 100 % full utilization of all types of wastes by cradle – to - cradle concepts, using Industrial Ecology methodology documented with case studies. Sustainable development and environmental protection cannot be achieved without establishing the concept of industrial ecology. The main tools necessary for establishing Industrial Ecology and sustainable development will be covered in the book. The concept of “industrial ecology will help the industrial system to be managed and operated more or less like a natural ecosystem hence causing as less damage as possible to the surrounding environment. Numerous case studies allow the reader to adapt concepts according to personal interest/field Reveals innovative technologies for the conservation of natural resources The only book which provides an integrated approach for sustainable development including tools, methodology, and indicators for sustainable development

The Government of Pakistan strongly supports public–private partnership (PPP) initiatives. From 1990 to 2019, Pakistan witnessed 108 financially closed PPP projects, with a total investment of approximately \$28.4 billion. About 88% of these projects are in the energy sector, attracting more than \$24.7billion, followed by investments in the port sector. In early 2021, Parliament approved the amendments to the 2017 PPP Law, enacting the Public Private Partnership Authority (Amendment) Act 2021. This further strengthens the enabling legal and regulatory framework for developing and implementing PPPs, thereby promoting private sector investment in public infrastructure and related services. Life is often considered to be a journey. The lifecycle of waste can similarly be considered to be a journey from the cradle (when an item becomes valueless and, usually, is placed in the dustbin) to the grave (when value is restored by creating usable material or energy; or the waste is transformed into emissions to water or air, or into inert material placed in a landfill). This preface provides a route map for the journey the reader of this book will undertake. Who? Who are the intended readers of this book? Waste managers (whether in public service or private companies) will find a holistic approach for improving the environmental quality and the economic cost of managing waste. The book contains general principles based on cutting edge experience being developed across Europe. Detailed data and a computer model will enable operations managers to develop data-based improvements to their systems. Producers of waste will be better able to understand how their actions can influence the operation of environmentally improved waste management systems. Designers of products and packages will be better able to understand how their design criteria can improve the compatibility of their product or package with developing, environmentally improved waste management systems. Waste data specialists (whether in laboratories, consultancies or environmental managers of waste facilities) will see how the scope, quantity and quality of their data can be improved to help their colleagues design more effective waste management systems.

This book provides an overview of the fundamentals and reference values for Ca stable isotope research, as well as current analytical

methodologies including detailed instructions for sample preparation and isotope analysis. As such, it introduces readers to the different fields of application, including low-temperature mineral precipitation and biomineralisation, Earth surface processes and global cycling, high-temperature processes and cosmochemistry, and lastly human studies and biomedical applications. The current state of the art in these major areas is discussed, and open questions and possible future directions are identified. In terms of its depth and coverage, the current work extends and complements the previous reviews of Ca stable isotope geochemistry, addressing the needs of graduate students and advanced researchers who want to familiarize themselves with Ca stable isotope research.

Vols. for 1964- have guides and journal lists.

This book presents a comprehensive analysis of the similarities and differences of contemporary human resource management systems, processes and practices in the two increasingly important economic great powers in Asia. It covers the full range of human resource management activities, including recruitment, retention, performance management, remuneration, and career development, discusses changing industrial relations systems, and sets the subject in its historical, social and cultural contexts. It examines newly emerging strategies, and assesses the extent to which human resource management systems in the two countries are converging or diverging.

This book is a compilation of works presenting recent developments and practical applications in optical fiber technology. It contains 13 chapters from various institutions that represent global research in various topics such as scattering, dispersion, polarization interference, fuse phenomena and optical manipulation, optical fiber laser and sensor applications, passive optical network (PON) and plastic optical fiber (POF) technology. It provides the reader with a broad overview and sampling of the innovative research on optical fiber technologies.

This open access book provides both a broad perspective and a focused examination of cow care as a subject of widespread ethical concern in India, and increasingly in other parts of the world. In the face of what has persisted as a highly charged political issue over cow protection in India, intellectual space must be made to bring the wealth of Indian traditional ethical discourse to bear on the realities of current human-animal relationships, particularly those of humans with cows. Dharma, yoga, and bhakti paradigms serve as starting points for bringing Hindu--particularly Vaishnava Hindu--animal ethics into conversation with contemporary Western animal ethics. The author argues that a culture of bhakti--the inclusive, empathetic practice of spirituality centered in Krishna as the beloved cowherd of Vraja--can complement recently developed ethics-of-care thinking to create a solid basis for sustaining all kinds of cow care communities. ; Offers a focused insight into a key aspect of Hindu religious practice Integrates primary research and tertiary sources to give a multifaceted understanding of the intricacies of cow care practice Challenges conventional Western thought on cow care and its worldwide implications for animal ethics.

Cinnamon and Cassia, the "Spices of Life", together constitute one of the most widely used group of spices. A comprehensive volume, Cinnamon and Cassia: Genus Cinnamomum explores in detail Srilankan cinnamon, Chinese cassia, Indonesian cassia, Indian cassia, camphor, and also the important related and useful spices of Cinnamomum. The introdu

Non-wood forest products (NWFPs) have been vitally important to forest-dwellers and rural communities for centuries. This publication is a product of the Food and Agriculture Organization's attention to this long-neglected area of forestry. It contains reports describing the status, management and importance of NWFPs in 11 Asian countries.

Beni-Amer cattle owners in the western part of the Horn of Africa are not only masters in cattle breeding, they are also knowledge sovereign, in terms of owning productive genes of cattle and the cognitive knowledge base crucial to sustainable development.

The strong bonds between the Beni-Amer, their animals, and their environment constitute the basis of their ways of knowing, and much of their knowledge system is built on experience and embedded in their cultural practices. In this book, the first to study Beni-Amer practices, Zeremariam Fre argues for the importance of their knowledge, challenging the preconceptions that regard it as untrustworthy when compared to scientific knowledge from more developed regions. Empirical evidence suggests that there is much one could learn from the other, since elements of pastoralist technology, such as those related to animal production and husbandry, make a direct contribution to our knowledge of livestock production. It is this potential for hybridisation, as well as the resilience of the herders, at the core of the indigenous knowledge system. Fre also argues that indigenous knowledge can be viewed as a stand-alone science, and that a community's rights over ownership should be defended by government officials, development planners and policy makers, making the case for a celebration of the knowledge sovereignty of pastoralist communities.

Praise for Knowledge Sovereignty Among African Cattle Herders

'This book greatly contributes to the limited literature on theoretical discourses and practices on indigenous knowledge of livestock herding communities in the Horn of Africa. It discusses knowledge heritage and sovereignty through the presentation of valid empirical evidence, and its subsequent relevance in nurturing sustainability of knowledge systems to enhance lives of pastoralists in Africa and beyond.' Samuel Tefera PhD, Assistant Professor and Asian Desk Coordinator at the Centre for African and Oriental Studies, Associate Dean for Research and Technology Transfer, College of Social Sciences, Addis Ababa University

'The author has worked with our Beni-Amer pastoral communities in Eastern Sudan and Western Eritrea for over 30 years and this book is the first of its kind in documenting our practices, knowledge systems, heritage and way of life.' Mustafa Faid and Mohamed Ali, Leaders of the of the Pastoral and Environmental Association Kassala State (PEAKS)

'A riveting and rare book! Zeremariam Fre guides you along the sandy [dusty] tracks and grassy pastures that the Beni-Amer and their herds have been softly tracing over time all through the Horn of Africa. One of the virtues of the book is that it illustrates vividly and in clear language how their continuous self-built endogenous knowledge on agro-pastoral life is not only at the core of their survival and the survival of their herds, but more importantly a powerful weapon in facing and resisting multiple aggressions . . . Ground-breaking and a huge achievement.' Yves Cabannes, Emeritus Professor of Development Planning,, The Bartlett Development Planning Unit, UCL

'The book underlines the importance of enriching and utilizing the unrecognized, yet valuable scientific knowledge and practices that are deeply rooted in pastoral traditional expertise about their own environment and breeding practices. It is an important publication that reflects Dr Fre's expertise and long term research in the region and thus, it is a significant addition to the African library.' Hala Alkarib, Director of the Strategic Initiative for Women in the Horn of Africa (SIHA)

'This fascinating book not only gives a unique insight into the knowledge and practice of pastoralists in the Horn of Africa from the author's first-hand experience, it also provides an incisive critique of the multiple dimensions of knowledge, paying tribute to the sovereignty of indigenous knowledge. It has a timely relevance for global sustainability that will appeal to a wider readership.' Nicole Kenton, International Development Consultant, former long serving senior staff member of the International Institute for Environment and Development (IIED)

'The book covers

several intertwined issues relevant to contemporary development policy and practice. It goes beyond the rural-urban and peasant–nomadic livelihoods dichotomy by shedding more light on the inter-linkages within the multiple livelihood systems within the Horn of Africa and globally. A rich evidence-based resource for academics, development partners and social movements for promoting and designing state policies that embrace pastoralist aspirations.’ Bereket Tsegay MA, PhD candidate, Pastoral and Environmental Network in the Horn of Africa (PENHA) ‘Dr Zeremariam Fre has done a wonderful job of placing at the centre of this book the Beni-Amer pastoralists, the world they inhabit and the knowledge they use to navigate and thrive in it. The lessons contained in this book go beyond pastoralism; it is a must read for anyone serious about understanding the importance of located knowledge in the innovation and development process.’ Yusuf Dirie, PENHA Research Fellow and PhD researcher at the University of Sussex

This two-volume book presents the outcomes of the 8th International Conference on Soft Computing for Problem Solving, SocProS 2018. This conference was a joint technical collaboration between the Soft Computing Research Society, Liverpool Hope University (UK), and Vellore Institute of Technology (India), and brought together researchers, engineers and practitioners to discuss thought-provoking developments and challenges in order to select potential future directions. The book highlights the latest advances and innovations in the interdisciplinary areas of soft computing, including original research papers on algorithms (artificial immune systems, artificial neural networks, genetic algorithms, genetic programming, and particle swarm optimization) and applications (control systems, data mining and clustering, finance, weather forecasting, game theory, business and forecasting applications). It offers a valuable resource for both young and experienced researchers dealing with complex and intricate real-world problems that are difficult to solve using traditional methods.

Fiberglass and Glass Technology: Energy-Friendly Compositions and Applications provides a detailed overview of fiber, float and container glass technology with special emphasis on energy- and environmentally-friendly compositions, applications and manufacturing practices which have recently become available and continue to emerge. Energy-friendly compositions are variants of incumbent fiberglass and glass compositions that are obtained by the reformulation of incumbent compositions to reduce the viscosity and thereby the energy demand. Environmentally-friendly compositions are variants of incumbent fiber, float and container glass compositions that are obtained by the reformulation of incumbent compositions to reduce environmentally harmful emissions from their melts. Energy- and environmentally-friendly compositions are expected to become a key factor in the future for the fiberglass and glass industries. This book consists of two complementary sections: continuous glass fiber technology and soda-lime-silica glass technology. Important topics covered include:

- o Commercial and experimental compositions and products
- o Design of energy- and environmentally-friendly compositions
- o Emerging glass melting technologies including plasma melting
- o Fiberglass composite design and engineering
- o Emerging fiberglass applications and markets

Fiberglass and Glass Technology: Energy-Friendly Compositions and Applications is written for researchers and engineers seeking a modern understanding of glass technology and the development of future products that are more energy- and environmentally-friendly than current products.

Papers presented at a seminar held in 1982.

The brain is the most complex organ in our body. Indeed, it is perhaps the most complex structure we have ever encountered in nature. Both structurally and functionally, there are many peculiarities that differentiate the brain from all other organs. The brain is our connection to the world around us and by governing nervous system and higher function, any disturbance induces severe neurological and psychiatric disorders that can have a devastating effect on quality of life. Our understanding of the physiology and biochemistry of the brain has improved dramatically in the last two decades. In particular, the critical role of cations, including magnesium, has become evident, even if incompletely understood at a mechanistic level. The exact role and regulation of magnesium, in particular, remains elusive, largely because intracellular levels are so difficult to routinely quantify. Nonetheless, the importance of magnesium to normal central nervous system activity is self-evident given the complicated homeostatic mechanisms that maintain the concentration of this cation within strict limits essential for normal physiology and metabolism. There is also considerable accumulating evidence to suggest alterations to some brain functions in both normal and pathological conditions may be linked to alterations in local magnesium concentration. This book, containing chapters written by some of the foremost experts in the field of magnesium research, brings together the latest in experimental and clinical magnesium research as it relates to the central nervous system. It offers a complete and updated view of magnesium's involvement in central nervous system function and in so doing, brings together two main pillars of contemporary neuroscience research, namely providing an explanation for the molecular mechanisms involved in brain function, and emphasizing the connections between the molecular changes and behavior. It is the untiring efforts of those magnesium researchers who have dedicated their lives to unraveling the mysteries of magnesium's role in biological systems that has inspired the collation of this volume of work.

Cellulose is destined to play a major role in the emerging bioeconomy. Awareness of the environment and a depletion of fossil fuels are some of the driving forces for looking at forest biomaterials for an alternative source of energy, chemicals and materials. The importance of cellulose is widely recognized world-wide and as such the field of cellulose science is expanding exponentially. Cellulose, the most abundant biopolymer on earth, has unique properties which makes it an ideal starting point for transforming it into useful materials. To achieve this, a solid knowledge of cellulose is essential. As such this book on cellulose, the first in a series of three, is very timely. It deals with fundamental aspect of cellulose, giving the reader a good appreciation of the richness of cellulose properties. Book Cellulose - Fundamental Aspects is a good introduction to books Cellulose - Medical, Pharmaceutical and Electronic Applications and Cellulose - Biomass Conversion , in which applications of cellulose and its conversion to other materials are treated.

This book highlights the processing, characterization and applications of various green composites. Composites are known for their unique properties, which are derived by combining two or more components. This yields properties such as greater strength and rigidity than that of the individual components, as well as reduced weight. To help achieve such outcomes, the book discusses the potential applications of hybrid bio-composites and sisal-fiber-reinforced epoxidized non-edible oil-based epoxy green

composites.

Principles & Practice of Pañcakarma is an essential text on the Pañcakarma, a branch of Medicine. The need for such a book results from scarcity of well written, critically reviewed and the less number of books on Pañcakarma in English language. In 4th edition of Principles & Practice of Pañcakarma, important topics have been added wherever necessary in order make the book complete. Current Practice of Pañcakarma in different diseases is updated. We are very much thankful to all those readers especially students for their overwhelming response & feedbacks. This incredible response increased the responsibility of Atreya Ayurveda Publications to come out with quality Ayurvedic Books. We hope the readers will continue to support in the same manner for this edition & other publications. Intended Audience A Comprehensive Book for BAMS students, M.D. scholars, Academicians, Practitioners and Researchers. This book will helps in precise & deeper understanding of the principles, concepts & practices of Pañcakarma therapy. Outstanding Features Description of fundamentals of Pañcakarma and fundamentals of Shodhana in separate chapters, which is the unique feature of book. All the Keraliya Pañcakarma therapies are covered in Snehana & Svedana chapters, in detail critically with current practices. In the chapter entitled “Fundamental principles of Shodhana”, the author has tried to explain the need, importance, utility, fundamentals, Basic considerations before bio-purification and practical considerations in vivid manner. Basic considerations before Pañcakarma and before Vamana etc. karma are the unique feature of this book. In the chapter therapeutic Pañcakarma the indications of Pañcakarma in different diseases with references has been described in tabular form. The research chapter deals with the problems of research, research methodology, researches done on Pañcakarma, standardization of Pañcakarma, area of research, Pañcakarma Record form, which is unique and first work. Experiences of the eminent physicians, research findings & my past 8 years experiences also included in order to make the book more practical & authentic. The heading ‘Critical notes’ in each Karma refers to the description of essential notes, which needs to be separated from the procedure to make the book reader friendly. The classifications, dose, indications, contraindications etc. subjects are presented in tabular form for easier and better understanding. The mode of action has been described both by Ayurvedic and Modern views in order to highlight the scientific substantiation of action of therapies.

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