

Case Study Ravinder Saxena Reference Date 19 Ravinder

To date, a plethora of companies and organizations are investing vast amounts of money on the latest technologies. Information technology can be used to improve market share, profits, sales, competitive advantage, and customer/employee satisfaction. Unfortunately, the individuals meant to use these technologies are not well equipped on how to effectively and efficiently use these tools for competitive advantage and decision making. The Handbook of Research on IT Applications for Strategic Competitive Advantage and Decision Making is a collection of innovative research relevant to the methodologies, theoretical frameworks, and latest empirical research findings in information technology applications, strategic competitive advantage, and decision making. While highlighting topics including agility, knowledge management, and business intelligence, this book is ideally designed for information technology professionals, academics, researchers, managers, executives, and government officials interested in using information technology for strategic competitive advantage and better decision making. These proceedings of the IAMG 2014 conference in New Delhi explore the current state of the art and inform readers about the latest geostatistical and space-based technologies for assessment and management in the contexts of natural resource exploration, environmental pollution, hazards and natural disaster research. The proceedings cover 3D visualization, time-series analysis, environmental geochemistry, numerical solutions in hydrology and hydrogeology, geotechnical engineering, multivariate geostatistics, disaster management, fractal modeling, petroleum exploration, geoinformatics, sedimentary basin analysis, spatiotemporal modeling, digital rock geophysics, advanced mining assessment and glacial studies, and range from the laboratory to integrated field studies. Mathematics plays a key part in the crust, mantle, oceans and atmosphere, creating climates that cause natural disasters, and influencing fundamental aspects of life-supporting systems and many other geological processes affecting Planet Earth. As such, it is essential to understand the synergy between the classical geosciences and mathematics, which can provide the methodological tools needed to tackle complex problems in modern geosciences. The development of science and technology, transforming from a descriptive stage to a more quantitative stage, involves qualitative interpretations such as conceptual models that are complemented by quantification, e.g. numerical models, fast dynamic geologic models, deterministic and stochastic models. Due to the increasing complexity of the problems faced by today's geoscientists, joint efforts to establish new conceptual and numerical models and develop new paradigms are called for.

Natural and Synthetic Biomedical PolymersNewnes

Vols. for 1973- include the following subject areas: Biological sciences, Agriculture, Chemistry, Environmental sciences, Health sciences, Engineering, Mathematics and statistics, Earth sciences, Physics, Education, Psychology, Sociology, Anthropology, History, Law & political science, Business & economics, Geography & regional planning, Language & literature, Fine arts, Library & information science, Mass communications, Music, Philosophy and Religion.

Vols. for 1964- have guides and journal lists.

The book focuses on soft computing and its applications to solve real-world problems in different domains, ranging from medicine and health care, to supply chain management, image processing and cryptanalysis. It includes high-quality papers presented at the International Conference on Soft Computing: Theories and Applications (SoCTA 2018), organized by Dr. B. R. Ambedkar National Institute of Technology, Jalandhar, Punjab, India. Offering significant insights into soft computing for teachers and researchers alike, the book inspires more researchers to work in the field of soft computing.

Sustainable Construction Materials: Copper Slag, as part of a series of five, the book aims to promote the use of sustainable construction materials. It is different to the norm and its uniqueness lies in developing a data matrix sourced from 400 publications, contributed by 712 authors from 337 institutions in 40 countries from 1964 to 2015, on the subject of copper slag as a construction material, and systematically, analysing, evaluating and modelling this information for use in cement, concrete, geotechnics and road pavement applications. Related environmental issues, case studies and standards are also discussed. The work establishes what is already known and can be used. It would also help to avoid repetitive research and save valuable resources, which can instead be directed towards new research to progress the use of sustainable construction materials. The book is structured in an incisive and easy to digest manner. As an excellent reference source, the book is particularly suited for researchers, academics, design engineers, specifiers, contractors, developers and certifying and regulatory authorities, seeking to promote sustainability within the construction sector. Provides an extensive source of valuable database information supported by an exhaustive and comprehensively organized list of globally published literature spanning 40-50 years, up to 2016, with over 400 references Offers an analysis, evaluation, repackaging, and modeling of existing knowledge, encouraging more responsible use of waste materials in construction Presents a wealth of knowledge for use in many sectors relating to the construction profession

""This book covers all aspects of social issues impacted by information technology in organizations and inter-organizational structures and presents the conceptualization of specific social issues and their associated constructs"--Provided by publisher"--

Due to such factors as poor economic conditions, climate change, and conflict, food security remains an issue around the world and especially in developing nations. Rapid changes in technology over the last decade has brought a renewed focus on how information and communication technologies (ICTs) and application systems are deployed to improve rural competitiveness. Unfortunately, agricultural stakeholders in developing countries, particularly in Africa, have not been able to reap comparable benefits from adopting agricultural information systems as compared to their counterparts in the developed economies. Understanding the challenges that hinder the effective adoption of agricultural information systems and identifying opportunities or innovations is imperative to improve the agricultural sectors and overcome the problems in these developing economies. Opportunities and Strategic Use of Agribusiness Information Systems is an essential reference book that examines the key challenges that hinder the effective adoption of agricultural information systems. Moreover, it identifies and evaluates opportunities for the strategic deployment of ICTs and information systems to drive agricultural development for the benefit of agricultural sector stakeholders in emerging countries. While highlighting such topics as agricultural entrepreneurship, food value chain, and innovation systems, it is intended to provide sound and relevant frameworks and tools that will aid agricultural industry practitioners, smallholder farmers, and managers of agricultural extension systems looking to make more effective and responsible decisions when selecting, planning, deploying, and managing agribusiness information systems. It is additionally targeted for agricultural funding organizations, government policymakers, academicians, researchers, and students concerned with exploiting the potential of a variety of ICTs and information systems in the quest to achieve food security and poverty reduction in emerging economies.

This three-book set constitutes the refereed proceedings of the Second International Conference on Recent Trends in Image Processing and Pattern Recognition (RTIP2R) 2018, held in Solapur, India, in December 2018. The 173 revised full papers presented were carefully reviewed and selected from 374 submissions. The papers are organized in topical sections in the three volumes. Part I: computer vision and pattern recognition; machine learning and applications; and image processing. Part II: healthcare and medical imaging; biometrics and applications. Part III: document image analysis; image analysis in agriculture; and data mining, information retrieval and applications.

This book explores a novel technique for processing biodiesel using lipase immobilization by encapsulation and its physical properties, stability characteristics, and application in stirred tank and re-circulated packed bed immobilized reactors for biodiesel production. The enzymatic processing of biodiesel addresses many of the problems associated with chemical processing. It requires only moderate operating conditions and yields a high-quality product with a high level of conversion and the life cycle assessment of enzymatic biodiesel production has more favourable environmental consequences. The chemical processing problems of waste water treatment are lessened and soap formation is not an issue, meaning that waste oil with higher FFA can be used as the feedstock. The by product glycerol does not require any purification and it can be sold at higher price. However, soluble enzymatic processing is not perfect. It is costly, the enzyme cannot be recycled and its removal from the product is difficult. For these reasons, immobilized enzymatic process has been developed which retains the advantages of the soluble enzymatic process and reuse of the enzyme is possible which decreases the enzyme cost, the biodiesel produced does not contain any enzyme residue and the activity of the enzyme can be increased by immobilization. The drawbacks of the immobilized enzyme process are mass transfer limitation, enzyme leakage, the lack of a versatile commercial immobilized enzyme and some of immobilization methods involve toxic chemicals. To overcome the drawbacks of the immobilized enzyme, an attempt is made to use a degradable biopolymer (γ -carrageenan) as a carrier for lipase immobilization.

Papers presented at the National Seminar on New Developmental Paradigms and Challenges in Western and Central India, held at Ahmedabad in 2003.

The proceedings of the 23rd National Symposium on Fracture Mechanics, held in College Station, Texas, June 1991, present a broad overview of the current state of the art in fracture mechanics research. Following the Swerdlow Lecture (Structural Problems in Search of Fracture Mechanics Solutions by

It's no secret that certain social groups have predominated India's business and trading history, with business traditionally being the preserve of particular 'Bania' communities. However, the past four or so decades have seen a widening of the social base of Indian capital, such that the social profile of Indian business has expanded beyond recognition, and entrepreneurship and commerce in India are no longer the exclusive bastion of the old mercantile castes. In this meticulously researched book – acclaimed for being the first social history to document and understand India's new entrepreneurial groups – Harish Damodaran looks to answer who the new 'wealth creators' are, as he traces the transitional entry of India's middle and lower peasant castes into the business world. Combining analytical rigour with journalistic flair, India's New Capitalists is an essential read for anyone seeking to understand the culture and evolution of business in contemporary South Asia.

An assessment of cancer addresses both the courageous battles against the disease and the misperceptions and hubris that have compromised modern understandings, providing coverage of such topics as ancient-world surgeries and the development of present-day treatments. Reprint. Best-selling winner of the Pulitzer Prize. Includes reading-group guide.

Polymers are important and attractive biomaterials for researchers and clinical applications due to the ease of tailoring their chemical, physical and biological properties for target devices. Due to this versatility they are rapidly replacing other classes of biomaterials such as ceramics or metals. As a result, the demand for biomedical polymers has grown exponentially and supports a diverse and highly monetized research community. Currently worth \$1.2bn in 2009 (up from \$650m in 2000), biomedical polymers are expected to achieve a CAGR of 9.8% until 2015, supporting a current research community of approximately 28,000+. Summarizing the main advances in biopolymer development of the last decades, this work systematically covers both the physical science and biomedical engineering of the multidisciplinary field. Coverage extends across synthesis, characterization, design consideration and biomedical applications. The work supports scientists researching the formulation of novel polymers with desirable physical, chemical, biological, biomechanical and degradation properties for specific targeted biomedical applications. Combines chemistry, biology and engineering for expert and appropriate integration of design and engineering of polymeric biomaterials Physical, chemical, biological, biomechanical and degradation properties alongside currently deployed clinical applications of specific biomaterials aids use as single source reference on field. 15+ case studies provides in-depth analysis of currently used polymeric biomaterials, aiding design considerations for the future

Sacred Groves and their medicinal, commercial values known through the indigenous community and some of the medicinally valuable literature. In the conservation aspect we conducted awareness program for the local peoples, students of schools and colleges, teachers, pujari, traditional healers and land owners. Few groves were planted with water holding capable rich species and Oxygen producing species. These species were protected by local peoples and pujari of the concern grove.

Knowledge of weed biology is essential for development of both economically and environmentally acceptable weed management systems. With this background only, the book on "Weed Seed Biology" has been prepared. This book is a documentation of botany and seed biology of 42 dryland, 32 gardenland and 21 wetland weed species. The book consists of three major parts namely Part I: Seed biology of dryland weeds, Part II: Seed biology of gardenland weeds and Part III: Seed biology of wetland weeds. Each chapter deals with origin and distribution, habitat and habit, reproductive biology, flowering, pollination and fruit set, propagation and seed dispersal, lifecycle, seed dormancy and germination, and seed storage and burial. Besides, the past work done on weed Seed Science and Technology is also compiled by reviewing many literatures. It's effects on crop production, control measures and uses are also included in each chapter. The book on "Weed Seed biology" is highly useful to the students, teachers and scientists specializing in weed seed science.

The word and concept of victim bear a heavy weight. To represent oneself or to be represented as a victim is often a first and vital step toward having one's suffering and one's claims to rights socially and legally recognized. Yet to name oneself or be called a victim is a risky claim, and social scientists must struggle to avoid erasing either survivors' experience of suffering or their agency and resourcefulness. *Histories of Victimhood* engages with this dilemma, asking how one may recognize and acknowledge suffering without essentializing affected communities and individuals. This volume tackles the theoretical and empirical questions surrounding the ways victims and victimhood are constructed, represented, and managed by state and nonstate actors. Geographically broad, the twelve essays in this volume trace histories of victimhood in Colombia, India, South Africa, Guatemala, Angola, Sierra Leone, Turkey, Occupied Palestine, Denmark, and Britain. They examine the implications of victimhood in a wide range of contexts, including violent occupations, displacement, war, reparation projects, refugee assistance, HIV treatment, trauma intervention, social welfare projects, and state formation. In exploring varying forms of hardship and identifying what people do to survive, how they make sense of their own suffering, and how they are frequently either acted upon or ignored by humanitarian agencies and states, *Histories of Victimhood* encourages us to see victimhood not as a definite and definable category of experience but as a changeable and culturally contingent state. Contributors: Sofie Danneskiold-Samsøe, Pamila Gupta, Ravinder Kaur, Stine Finne Jakobsen, Andrew M. Jefferson, Steffen Jensen, Tobias Kelly, Frédéric Le Marcis, Walter Paniagua, Elizabeth A. Povinelli, Darius Rejali, Henrik Ronsbo, Lotte Buch Segal, Nerina Weiss.

Web browsing would not be what it is today without the use of Service-Oriented Architecture (SOA). Although much has been written about SOA methodology, this emerging platform is continuously under development. *Exploring Enterprise Service Bus in the Service-Oriented Architecture Paradigm* is a detailed reference source that examines current aspects and research methodologies that enable enterprise service bus to unify and connect services efficiently on a common platform. Featuring relevant topics such as SOA reference architecture, grid computing applications, complex event computing, and java business integration, this is an ideal resource for all practitioners, academicians, graduate students, and researchers interested in the discoveries on the relationship that Service-Oriented architecture and enterprise service bus share.

"This book is the best source for the most current, relevant, cutting edge research in the field of industrial informatics focusing on different methodologies of information technologies to enhance industrial fabrication, intelligence, and manufacturing processes"--Provided by publisher.

This book features selected papers presented at the Fourth International Conference on Nanoelectronics, Circuits and Communication Systems (NCCS 2018). Covering topics such as MEMS and nanoelectronics, wireless communications, optical communications, instrumentation, signal processing, the Internet of Things, image processing, bioengineering, green energy, hybrid vehicles, environmental science, weather forecasting, cloud computing, renewable energy, RFID, CMOS sensors, actuators, transducers, telemetry systems, embedded systems, and sensor network applications in mines, it offers a valuable resource for young scholars, researchers, and academics alike.

Asian Atmospheric Pollution: Sources, Characteristics and Impacts provides a concise yet comprehensive treatment of all aspects of pollution and air quality monitoring, across all of Asia. It focuses on key regions of the world and details a variety of sources, their transport mechanism, long term variability and impacts on climate at local and regional scales. It also discusses the feedback on pollutants, on different meteorological parameters like radiative forcing, fog formations, precipitation, cloud characteristics and more. Drawing upon the expertise of multiple well-known authors from different countries to underline some of these key issues, it includes sections dedicated to treatment of pollutant sources, studying of pollutants and trace gases using satellite/station based observations and models, transport mechanisms, seasonal and inter-annual variability and impact on climate, health and biosphere in general. *Asian Atmospheric Pollution: Sources, Characteristics and Impacts* is a useful resource for scientists and students to understand the sources and dynamics of atmospheric pollution as well as their transport from one continent to other continents, helping the atmospheric modelling community to model different scenarios of the pollution, gauge its short term and long term impacts across regional to global scales and better understand the ramifications of episodic events. Covers all of Asia in detail in terms of pollution Focuses not only on local pollution, but on long-term transport of these pollutants and their impacts on other regions as well as the globe Includes discussion of both particulate matter and greenhouse gases Serves as a single resource on Asian air pollution and Impacts from the most current research across the globe including the US, Asia, Africa and Europe

The *Encyclopedia of Food Security and Sustainability* covers the hottest topics in the science of food sustainability, providing a synopsis of the path society is on to secure food for a growing population. It investigates the focal issue of sustainable food production in relation to the effects of global change on food resources, biodiversity and global food security. This collection of methodological approaches and knowledge derived from expert authors around the world offers the research community, food industry, scientists and students with the knowledge to relate to, and report on, the novel challenges of food production and sustainability. This comprehensive encyclopedia will act as a platform to show how an interdisciplinary approach and closer collaboration between the scientific and industrial communities is necessary to strengthen our existing capacity to generate and share research data. Offers readers a 'one-stop' resource on the topic of food security and sustainability Contains articles split into sections based on the various dimensions of Food Security and Food Sustainability Written by academics and practitioners from various fields and regions with a "farm to fork understanding Includes concise and accessible chapters, providing an authoritative introduction for non-specialists and readers from undergraduate level upwards, as well as up-to-date foundational content for those familiar with the field

To sustain and stay at the top of the market and give absolute comfort to the consumers, industries are using different strategies and technologies. Natural language processing (NLP) is a technology widely penetrating the market, irrespective of the industry and domains. It is extensively applied in businesses today, and it is the buzzword in every engineer's life. NLP can be implemented in all those areas where artificial intelligence is applicable either by simplifying the communication process or by refining and analyzing information. Neural machine translation has improved the imitation of professional translations over the years. When applied in neural machine translation, NLP helps educate neural machine networks. This can be used by industries to translate low-impact content including emails, regulatory texts, etc. Such machine translation tools speed up communication with partners while enriching other business interactions. *Deep Natural Language Processing and AI Applications for Industry 5.0* provides innovative research on the latest findings, ideas, and applications in fields of interest that fall under the scope of NLP including computational linguistics, deep NLP, web analysis, sentiments analysis for business, and industry perspective. This book covers a wide range of topics such as deep learning, deepfakes, text mining, blockchain technology, and more, making it a crucial text for anyone interested in NLP and artificial intelligence, including academicians, researchers, professionals, industry experts, business analysts, data scientists, data analysts, healthcare system designers, intelligent system designers, practitioners, and students.

Concept Of Service | Service Characteristics | Service Expectations | The Service Product | Service Location | Pricing For Services | Promotion Services | The Service Process| Physical Evidence | People And Services | Internal Versus External Marketing |

Plate collision drives complex interactions among uplift, climate, and erosion involving feedbacks over many space and time scales. This dissertation investigates these processes and

interactions through analysis of digital topographic data, imagery, and geologic data from the Himalayas, and through numerical modeling.

Providing a balance between theory and practice, this guide to retail management includes useful career information and takes a strategic approach to decision making.

The Author, Through The Valuable Data, Information And Analysis In This Book, Provides The Reader Not Only With A Vivid Panorama Of Railways` Performance Over The Four Decades After India`S Independence But Also Offers A Fascinating Study On The Cost Affectiveness Of The Present Structure Of Rail Transport, With Interesting Conclusions. Besides, This Study Provides Good Material For Fresh Thinking On The Railways For Making Transport System Efficient And Cost-Beneficial From The Users` Point Of View Also.

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