Processes of globalization have changed the world in many, often fundamental, ways. Increasingly these processes are being debated and contested. This Handbook offers a timely, rich as well as critical panorama of these multifaceted processes with up-to-date chapters by renowned specialists from many countries. It comprises chapters on the historical background of globalization, different geographical perspectives (including world systems analysis and geopolitics), the geographies of flows (of people, goods and services, and capital), and the geographies of places (including global cities, clusters, port cities and the impact of climate change).

The Handbook of Microalgae-based Processes and Products provides a complete overview of all aspects involved in the production and utilization of microalgae resources at commercial scale. Divided into four parts (fundamentals, microalgae-based processes, microalgae-based products, and engineering approaches applied to microalgal processes and products), the book explores the microbiology and metabolic aspects of microalgae, microalgal production systems, wastewater treatment based in microalgae, CO2 capture using microalgae, microalgae harvesting techniques, and extraction and purification of biomolecules from microalgae. It covers the largest number of microalgal products of commercial relevance, including biogas, biodiesel, bioethanol, biohydrogen, single-cell protein, single-cell oil, biofertilizers, pigments, polyunsaturated fatty acids, bioactive proteins, peptides and amino acids, bioactive polysaccharides, sterols, bioplastics, UV-screening compounds, and volatile organic compounds. Moreover, it presents and discusses the available
engineering tools applied to microalgae biotechnology, such as process integration, process intensification, and techno-economic analysis applied to microalgal processes and products, microalgal biorefineries, life cycle assessment, and exergy analysis of microalgae-based processes and products. The coverage of a broad range of potential microalgae processes and products in a single volume makes this handbook an indispensable reference for engineering researchers in academia and industry in the fields of bioenergy, sustainable development, and high-value compounds from biomass, as well as graduate students exploring those areas. Engineering professionals in bio-based industries will also find valuable information here when planning or implementing the use of microalgal technologies. Covers theoretical background information and results of recent research. Discusses all commercially relevant microalgae-based processes and products. Explores the main emerging engineering tools applied to microalgal processes, including techno-economic analysis, process integration, process intensification, life cycle assessment, and exergy analyses.

This two-volume set explores the aspects of diversity of micro and macro algal forms, their traditional uses; their constituents which are of value for food, feed, specialty chemicals, bioactive compounds for several novel applications and bioenergy molecules. The industrial production systems, downstream processing, utilization of the biomass and the metabolites of importance for various applications are addressed. Innovations in production technologies, coupled with the biological activities of their novel metabolites and molecules, offer tremendous scope for the exploitation of these micro and macro algal forms through industrial production processes in a sustainable manner. These two volumes offer a treasure house of information to the students and researchers of plant sciences, biological sciences, agricultural sciences, foods and nutrition sciences, health sciences and environmental sciences. Their practical value will benefit professionals including agriculture and food experts, biotechnologists, ecologists, environmentalists, and biomass specialists. This set will also aid industries dealing with foods, nutraceuticals, pharmaceuticals, cosmetics, health care products, and bioenergy.

Handbook of Grape Processing By-Products explores the alternatives of upgrading production by-products, also denoting their industrial potential, commercial applications and sustainable solutions in the field of grape valorization and sustainable management in the wine industry. Covering the 12 top trending topics of winery sustainable management, emphasis is given to the current advisable practices in the field, general valorization techniques of grape processing by-products (e.g. vermicomposting, pyrolysis, re-utilization for agricultural purposes etc.), the newly introduced biorefinery concept, different techniques for the separation, extraction, recovery and formulation of polyphenols, and finally, the healthy components of grape by-products that lead to target applications in the pharmaceutical, enological, food and cosmetic sectors. Presents in-depth information on grape processing Addresses the urgent need for sustainability within wineries Reveals the opportunities of reutilizing processing by-products in profitable ways Explores general valorization methods and separation and extraction methods for the recovery of high added-value extracts/compounds and their transformation to final products

The Handbook of Sustainable Concrete and Industrial Waste Management summarizes key research trends in recycling and reusing concrete and industrial waste to reduce their environmental impact. This volume also includes important contributions in collaboration with the CRI-TEST Innovation Lab, Naples–Acerra. Part one discusses eco-friendly innovative cement and concrete and reviews key substitute materials. Part two analyzes the use of industrial waste as aggregates and the mechanical properties of concrete containing waste materials. Part three discusses differences between innovative binders, focusing on alkali-activated and geopolymer concrete. Part four provides a thorough overview of the life cycle assessment (LCA) of concrete containing industrial wastes and the impacts related to the logistics of wastes, the production of the concrete, and the management of industrial wastes. By providing research examples, case studies, and practical strategies, this book is a
state-of-the-art reference for researchers working in construction materials, civil or structural engineering, and engineers working in the industry. Offers a systematic and comprehensive source of information on the latest developments in sustainable concrete; Analyzes different types of sustainable concrete and innovative binders from chemical, physical, and mechanical points of view; Includes real case studies showing application of the LCA methodology.

**BATTLE FOR SKEPTRON** is a tale of high adventure, undertaken by a company of multi-racial allies in search of the hidden pieces of the spectral artefact known as the Skeptron. A willing partner in this perilous quest is Areus, a young and content wrestler of Torian race, who surprises even himself by his courage and skills. Encountering the dreadful monsters that patrol the underworld of Planet Numaria, the race is on to acquire the hidden Skeptron pieces before the black hand of Ahstra arrests them for his dominion. Areus is hunted by monstrous 'cave diggers', evil alien beings, immoral sub-servants of the 'KAL' faction, and the terrifying hordes of the bestial abominations known as, rifas. Surrounding these harrowing events, Areus encounters a rather unexpected connection with a young Denkarian girl named Belvara. Areus and Belvara begin to realise their meeting was no random chance, and that their past and future are interwoven in more ways than one. Intertwined with love, hope, and perseverance, Areus and his company set out upon the greatest adventure of their lives in the Battle for Skeptron, the First Uncovering."

The study of wage levels and the purchasing power of wages is often viewed as a specialized academic topic of little concern to the wider public. This is far from being the case, as this book demonstrates. The study of wages opens up vistas of the daily life of the working people, of their standards of living and, therefore, addresses questions of larger economic developments and unequal power relationships in a region. Wage Earners in India 1500–1900: Regional Approaches in an International Context brings together several scholars—young and veteran—to study new data and reinterpret older data from a fresh methodological perspective to locate India within global economic systems more effectively. This book • identifies previously unused and unpublished material for the study of wages • underlines the importance of wages as a source of income for Indians from early times • demonstrates the trends in wages over the period under review • stresses the need to take women into account for the reconstruction of household income

Since the publication of the previous edition, the best-selling Handbook of Public Administration enters its third edition with substantially revised, updated, and expanded coverage of public administration history, theory, and practice. Edited by preeminent authorities in the field, this work is unparalleled in its thorough coverage and comprehensive references. This handbook examines the major areas in public administration including public budgeting and financial management, human resource management, decision making, public law and regulation, and political economy. Providing a strong platform for further research and advancement in the field, this book is a necessity for anyone involved in public administration, policy, and management. This edition includes entirely new chapters on information technology and conduct of inquiry. In each area of public administration, there are two bibliographic treatises written from different perspectives. The first examines the developments in the field. The second analyzes theories, concepts, or ideas in the field’s literature.

Acute Coronary Syndrome (ACS) is a growing global menace with patients increasing in developing countries where tobacco and food play a major role. Its treatment guidelines and research results have proliferated in academia, but practical applications lag behind that research. This book addresses this void. Guidelines for treatment of ACS present in-depth reading for practicing cardiologists, thus preventing clinical application. The book aims to appraise readers of real-world situations and suggestions to help them acquire up-to-date knowledge on ACS and its effective diagnosis, prognosis and management. Key Features Covers recent advances in ACS management and pharmacotherapy Discusses the guidelines for treatment of ACS for the professional cardiologist to apply to clinical
practice Explores the topics with the help of case scenarios Follows a concise, yet comprehensive approach Features a chapter on 'When to Transfer,' which discusses how to spot unstable patients or those heading towards shock

"He is present within, pouring out his grace. In dire need he comes to the rescue whether sought or unsought. He is the most intimate being, our very Self." - V. 58, Sri Ramana Ashtottara Sri Ramana Maharshi, the sage of Arunachala - the holy mountain of Lord Shiva, was one of the world's most influential spiritual teachers of our time. He taught the infallible way to Self-realisation through his unique method of 'Self-Enquiry' and the total devotional surrender of the egotistic mind to the inner Satguru dwelling in each one's spiritual heart. He always spoke from the high authority of direct Self-knowledge. He could, and still does, invoke the real Self of pure Existence-Consciousness-Awareness-Love through the Silence of his Presence in his devotees. During his lifetime he led many to Self-realisation. His ashram at Tiruvannamalai is an active spiritual centre imparting the grace and knowledge of his Teaching. This brief biography acquaints you with significant details of his divine life and the essence of his Teaching. The author Alan Jacobs is well-known for his several books and anthologies including: Poetic Transcreations of the Bhagavad Gita and The Principal Upanishads. He also contributes to Ramanasramam's spiritual journal, the Mountain Path. He is President of the Ramana Maharshi Foundation, UK.

Publisher's Note: Products purchased from 3rd Party sellers are not guaranteed by the Publisher for quality, authenticity, or access to any online entitlements included with the product. Perfect as a quick reference in the emergency room or your office, the newest edition of this handbook is diagnostic and treatment focused, touching on a range of everyday conditions and problems. These include newer issues such as medico-psychological ramifications of sexual assault, complications from abortion, assisted reproductive technologies, and immunologic therapies. Ob-gyns as well as non-obstetric providers will find much here to help them assess and manage clinical situations.

File noting has been in the recent past, and still is, under heated discussion in the context of Right to Information Act, 2005. It has, thus, been drawing a lot of interest from all concerned. Basic note in a file is written by an Office Assistant/Assistant Section Officer. A good note should properly define and analyse the problem; refer to relevant rules, regulations, policies and precedents; talk about alternative solutions; discuss implications of these various alternatives and then suggest a suitable solution and a draft reply. Noting and drafting has, therefore, always been a vital part of decision-making process in the Government. The quality of Noting and Drafting has deteriorated over the years. There is hardly any publication on the subject except for some references in the manuals of office procedures. Hence, this attempt, A book for Government Officials to Master Noting and Drafting. It is a comprehensive book which talks about various concepts, the significance, features of good and bad notings, and skilful drafts citing examples drawn from actual files. Different exercises, their solutions, and samples of some good file notings and useful drafts make this book valuable for all its readers.

Handbook of Research on Blockchain Technology presents the latest information on the adaptation and implementation of Blockchain technologies in real world business, scientific, healthcare and biomedical applications. The book's editors present the rapid advancements in existing business models by applying Blockchain techniques. Novel architectural solutions in the deployment of Blockchain comprise the core aspects of this book. Several use cases with IoT, biomedical engineering, and smart cities are also incorporated. As Blockchain is a relatively new technology that exploits decentralized networks and is used in many sectors for reliable, cost-effective and rapid business transactions, this book is a welcomed addition on existing knowledge. Financial services, retail, insurance, logistics, supply chain, public sectors and biomedical industries are now investing in Blockchain research and technologies for their business growth. Blockchain prevents double spending in financial transactions without the need of a trusted authority or central server. It is a decentralized
ledger platform that facilitates verifiable transactions between parties in a secure and smart way. Presents the evolution of blockchain, from fundamental theories, to present forms Explains the concepts of blockchain related to cloud/edge computing, smart healthcare, smart cities and Internet of Things (IoT) Provides complete coverage of the various tools, platforms and techniques used in blockchain Explores smart contract tools and consensus algorithms Covers a variety of applications with real world case studies in areas such as biomedical engineering, supply chain management, and tracking of goods and delivery

According to the October 2016 "World Economic Outlook," global growth is projected to slow to 3.1 percent in 2016 before recovering to 3.4 percent in 2017. The forecast, revised down by 0.1 percentage point for 2016 and 2017 relative to April’s report, reflects a more subdued outlook for advanced economies following the June U.K. vote in favor of leaving the European Union (Brexit) and weaker-than-expected growth in the United States. These developments have put further downward pressure on global interest rates, as monetary policy is now expected to remain accommodative for longer. Although the market reaction to the Brexit shock was reassuringly orderly, the ultimate impact remains very unclear, as the fate of institutional and trade arrangements between the United Kingdom and the European Union is uncertain. Financial market sentiment toward emerging market economies has improved with expectations of lower interest rates in advanced economies, reduced concern about China’s near-term prospects following policy support to growth, and some firming of commodity prices. But prospects differ sharply across countries and regions, with emerging Asia in general and India in particular showing robust growth and sub-Saharan Africa experiencing a sharp slowdown. In advanced economies, a subdued outlook subject to sizable uncertainty and downside risks may fuel further political discontent, with anti-integration policy platforms gaining more traction. Several emerging market and developing economies still face daunting policy challenges in adjusting to weaker commodity prices. These worrisome prospects make the need for a broad-based policy response to raise growth and manage vulnerabilities more urgent than ever.

A presentation of screening techniques, modern technologies, and high-capacity instrumentation for increased productivity in the development and discovery of new drugs, chemical compounds, and targeted delivery of pharmaceuticals. It contains practical applications and examples of strategies in cell-based and cell-free screens as well as homogeneous, fluorescence, chemiluminescence, and radioactive-based technologies.

The importance of effective use of resources within a business is paramount to the success of the business. This includes the effective use of employees as well as efficient strategies for the direction of those employees and resources. A manager’s ability to adapt and utilize contemporary approaches for maximizing both individuals and organizational knowledge is essential. The Handbook of Research on Contemporary Approaches in Management and Organizational Strategy is a pivotal reference source that provides vital research on the application of contemporary management strategies. While highlighting topics such as e-business, leadership styles, and organizational behavior, this publication explores strategies for the achievement of organizational goals, as well as the methods of effective resource allocation. This book is ideally designed for academicians, students, managers, specialists, and consultants seeking current research on strategies for the management of people and knowledge within an organization.

The digital age has presented an exponential growth in the amount of data available to individuals looking to draw conclusions based on given or collected information across industries. Challenges associated with the analysis, security, sharing, storage, and visualization of large and complex data sets continue to plague data scientists and analysts alike as traditional data processing applications struggle to adequately manage big data. The Handbook of Research on Big Data Storage and
Visualization Techniques is a critical scholarly resource that explores big data analytics and technologies and their role in developing a broad understanding of issues pertaining to the use of big data in multidisciplinary fields. Featuring coverage on a broad range of topics, such as architecture patterns, programming systems, and computational energy, this publication is geared towards professionals, researchers, and students seeking current research and application topics on the subject.

I've heard so many people tell those who suffer from depression to just "cheer up". Do they really believe it's that simple? Depression isn't just sadness. It is misery. It is both pain and nothingness. People don't 'have' depression, they suffer from it. Millions of people are diagnosed with depression, billions of dollars are spent on antidepressants and on depression-related research. Yet we are no closer to making a real difference to the quality of life of the patients. Ayurvedic and yogic texts call depression 'vishada', a toxic state of mind. They consider it an illness, a disability - but one that is curable. In a profoundly insightful work that draws from these texts, mystic and healer Om Swami categorizes depression into three types, each of which requires a different approach. Bringing yogic wisdom and ayurvedic knowledge to case studies from his own files, the author covers a range of options from medication to specialized meditation. When All Is Not Well will leave you with a new perspective on depression and sadness.

In achieving civic engagement and social justice in smart cities, literacy programs are offered in the society by three essential information service providers: libraries, archives, and museums. Although the library and museum services are documented in literature, there is little evidence of community-led library or museum services that make a full circle in understanding community-library, community-archive, and community-museum relationships. The Handbook of Research on the Role of Libraries, Archives, and Museums in Achieving Civic Engagement and Social Justice in Smart Cities examines the application of tools and techniques in library and museum literacy in achieving civic engagement and social justice. It also introduces a new outlook in the services of libraries and museums. Covering topics such as countering fake news, human rights literacies, and outreach activities, this book is essential for community-based organizations, librarians, museum administrations, education leaders, information professionals, smart city design planners, digital tool developers, policymakers engaged in diversity, researchers, and academicians.

The Handbook of Hinduism in Europe portrays and analyses Hindu traditions in every country in Europe. It presents the main Hindu communities, religious groups, forms and teachings present in the continent and shows that Hinduism have become a major religion in Europe.

This handbook is a comprehensive and up to date work of reference that offers a survey of the state of financial geography. With Brexit, a global recession triggered by the COVID-19 pandemic, as well as new financial technology threatening and promising to revolutionize finance, the map of the financial world is in a state of transformation, with major implications for development. With these developments in the background, this handbook builds on this unprecedented momentum and responds to these epochal challenges, offering a comprehensive guide to financial geography. Financial geography is concerned with the study of money and finance in space and time, and their impacts on economy, society and nature. The book consists of 29 chapters organized in six sections: theoretical perspectives on financial geography, financial assets and markets, investors, intermediation, regulation and governance, and finance, development and the environment. Each chapter provides a balanced overview of current knowledge, identifying issues and discussing relevant debates. Written in an analytical and engaging style by authors based on six continents from a wide range of disciplines, the work also offers reflections on where the research agenda is likely to advance in the future. The book’s key audience will primarily be students and researchers in geography, urban studies, global studies and planning, more or less familiar with financial geography, who seek access to a state-of-the art survey of this area. It will also be useful for students and researchers in other
disciplines, such as finance and economics, history, sociology, anthropology, politics, business studies, environmental studies and other social sciences, who seek convenient access to financial geography as a new and relatively unfamiliar area. Finally, it will be a valuable resource for practitioners in the public and private sector, including business consultants and policy-makers, who look for alternative approaches to understanding money and finance.

The Lunar Market Trading System developed by Swami Ram Charran is based on The LifeCode system of trading that has been utilized by popular systems such as Gann, Elliot and Fibonacci in the markets. Swami Ram has developed this system in a more extensive in-depth method of trading that follows the energy movements of trading instruments as they rise or fall day to day, month to month, year to year etc. This handbook will help you to follow a consistent trading system that will increase your profits in the market so you can use those profits wisely to benefit yourself as well as those around you. Using the LifeCode and Vedic Mathematics together with Fibonacci sequences and the Elliot Wave Theory, Swami Ram has prepared easy-to-read investment charts for any stock commodity or futures in the stock market. To date, research has shown that the trends of stocks in past performances have matched the Vedic Codes close to 80-90% accuracy.

Music therapy is growing internationally to be one of the leading evidence-based psychosocial allied health professions, meeting needs right across the lifespan. Music therapy is a relational therapy in which the therapist and client collaborate to discover how music can be used to strengthen positive relating skills, attending to the client's immediate and longer term needs through assessment, treatment planning, implementation, and evaluation of a music therapy programme. Music therapy is based upon the capacity of music provided by a trained and qualified practitioner to support, integrate, and heal trauma, pain, psychological distress, and to develop and extend the existing capacities of the client. In the Oxford Handbook of Music Therapy, international leaders in the field from 10 countries have contributed their expertise to showcase contemporary music therapy. They share knowledgeable perspectives from multiple models of music therapy that have developed throughout the world, including Nordoff-Robbins Music Therapy, The Field of Play, Community Music Therapy, and Resource Oriented Music Therapy. There is extensive information provided as to how music therapists practice and with whom, as well as the techniques used in music therapy individually and in groups, the research basis for the work, and professional and training issues in the field. The book is clearly laid out in five sections; contexts and populations, models and approaches, methods and techniques, research methods, and training and professional issues. Course materials can be structured around the book, or the book can be used as a starting point for students’ learning about a model or population. Music therapy students will enjoy the clear descriptions of practice, the clinical vignettes, and the helpful pointers and tips for developing placement work. Unequaled in depth and breadth, this landmark publication is an essential resource for those starting out in Music Therapy, as well as for experienced practitioners.

This unique handbook provides a vivid multidisciplinary dimension through technological perspectives to present cutting-edge research in the field of natural coloration and finishing. The 20 chapters are divided in to four parts: Substrates for coloration and finishing; renewable colorants and their applications; advanced materials and technologies for coloration and finishing; sustainability. Among the topics included in the Handbook of Renewable Materials for Coloration and Finishing are: The systematic discussion on the suitability, physical, chemical and processing aspects of substrates for coloration and finishing Bio-colorant’s application as photosensitizers for dye sensitized solar cells Animal based natural dyes Natural dyes extraction and dyeing methodology Application of natural dyes to cotton and jute textiles Sol-gel flame retardant and/or antimicrobial finishings for cellulosic textiles Rot resistance and antimicrobial finish of cotton khadi fabrics Advanced materials and technologies for antimicrobial finishing of cellulosic textiles
I done 35 years research on god and found god. I done 35 years research on health and found the secret of health. I invented s-formula. To bring peace in the world, s-formula is made. S-formula means save semen. Semen - the foundation of a male & female body. *Semen is like electrical current in our body. Semen keeps our body, hot in cold region, cold in hot region.* The conservation of semen is very essential to strength of body and mind. *Semen is an organic fluid, seminal fluid.*

Look younger, think cleverer, live longer, if you save semen. *Veerya, dhatu, shukra or semen is life.* Virginity is a physical, moral, and intellectual safe guard to young man. *Semen is the most powerful energy in the world.* One who has master of this art is the master of all. *Semen is truly a precious jewel.* A greek philosopher told that only once in his life time. *Conservation of seminal energy is s-formula.* As you think, so you become. *Semen is marrow to your bones, food to your brain, oil to your joints, and sweetness to your breath.* Chastity no more injures the body and the soul. Self discipline is better than any other line of conduct. *A healthy mind lives in a healthy body.* If children are ruined, the nation is ruined. *S-formula is the art of living, it is the art of life, and it is the way of life.* The person one who knows s-formula; he is the master of all arts. *Whatever the problems, diseases comming from loss of semen, can be rectified by only by saving semen.* Semen produces semen & semen kills semen. *Always save semen, store semen; protect semen from birth to death.* Semen once you lost that will not come back - lost is lost. *Loss of semen causes your life waste.* Quality of your life says the quality of your semen. *Use semen only when you need baby.* Waste of one drop of semen is the waste of one drop of brain. *Keep always the level of semen more than that normal level in your body.* All diseases will attack due to loss of semen only. *You do any physical exercise only if you are healthy.* Prevention is better than cure. *Semen is a pure blood and food for all cells of your body.* Semen once you wasted can not be regained. Lost is lost. *Waste persons are wasting lot of semen.* You reject marriages, if you waste semen. *A man one who not wasted single drop of semen in his life, he is called healthy man.* Do not touch any female in your life. If you touch, your semen goes out of your body. *Do not support any activity which causes loss of semen internally or externally in your body. Loss of semen makes you loss of health and loss of wealth.* Both the parents produce semen and contribute to their children. *Semen is the most powerful energy in the world.* Semen retention is very valuable for both spiritual and mental health. If semen is drying up makes one old. S-formula cures all diseases without medicine and without any physical exercise. S-formula is not a medicine but it is a meditation. S-formula is a knowledge based training. Follow s-formula and make your life beautiful. S.r.swamy.

Handbook of Approximation Algorithms and Metaheuristics, Second Edition reflects the tremendous growth in the field, over the past two decades. Through contributions from leading experts, this handbook provides a comprehensive introduction to the underlying theory and methodologies, as well as the various applications of approximation algorithms and metaheuristics. Volume 1 of this two-volume set deals primarily with methodologies and traditional applications. It includes restriction, relaxation, local ratio, approximation schemes, randomization, tabu search, evolutionary computation, local search, neural networks, and other metaheuristics. It also explores multi-objective optimization, reoptimization, sensitivity analysis, and stability. Traditional applications covered include: bin packing, multi-dimensional packing, Steiner trees, traveling salesperson, scheduling, and related problems. Volume 2 focuses on the contemporary and emerging applications of methodologies to problems in combinatorial optimization, computational geometry and graphs problems, as well as in large-scale and emerging application areas. It includes approximation algorithms and heuristics for clustering, networks (sensor and wireless), communication, bioinformatics search, streams, virtual communities, and more. About the Editor Teofilo F. Gonzalez is a professor emeritus of computer science at the University of California, Santa Barbara. He completed his Ph.D. in 1975 from the University of Minnesota. He taught at the University of Oklahoma, the Pennsylvania State University, and the University of Texas at Dallas, before joining the UCSB computer science faculty in 1984. He spent sabbatical leaves at the Monterey Institute of Technology and Higher Education and Utrecht
University. He is known for his highly cited pioneering research in the hardness of approximation; for his sublinear and best possible approximation algorithm for k-tMM clustering; for introducing the open-shop scheduling problem as well as algorithms for its solution that have found applications in numerous research areas; as well as for his research on problems in the areas of job scheduling, graph algorithms, computational geometry, message communication, wire routing, etc.

From traditional brick and mortar to new start-ups, businesses are harnessing the power of digital enterprise as a cost-effective model to deliver goods and services online. Digital enterprise strategy is adopted for transforming business, streamlining processes, and making the best use of online technologies to enhance interaction with customers and employees and deliver excellent customer experience in real time. Digital enterprises increasingly need digital workers to establish greater digital skills to bear on every activity and to drive management, strategy, and innovation, which are key for digital enterprise transformation. The Handbook of Research on Management and Strategies for Digital Enterprise Transformation is a crucial reference source that discusses leveraging technology for the customers’, employees’, and suppliers’ benefit, as well as integrating complex processes to management, marketing, production, manufacturing, and financial systems. Combining management, strategy, technology, and digital enterprise topics into one book provides the reader with a holistic understanding of the new developments in these emerging fields. This study will also include key topics of interest on how to address structural changes underway in the local and global business environment for digital enterprise transformation. Featuring research on topics such as e-commerce, organizational learning, and agile management, this book is ideally designed for business professionals, policymakers, researchers, students, and managers.

Employers consider communication as one of the most critical skills for workers today. Writing for the Workplace: Business Communication for Professionals is an easy-to-follow guide that provides strategies for effective professional communication. Written to address the needs of both students entering the workforce and business professionals looking to improve their written communication, the book offers guides to compose typical workplace documents, from effective e-mails and convincing reports to winning presentations and engaging resumes. This concise book offers busy readers concrete strategies to improve their workplace writing.

This handbook is currently in development, with individual articles publishing online in advance of print publication. At this time, we cannot add information about unpublished articles in this handbook, however the table of contents will continue to grow as additional articles pass through the review process and are added to the site. Please note that the online publication date for this handbook is the date that the first article in the title was published online.

This handbook is organized under three major parts. The first part of this handbook deals with multimedia security for emerging applications. The chapters include basic concepts of multimedia tools and applications, biological and behavioral biometrics, effective multimedia encryption and secure watermarking techniques for emerging applications, an adaptive face identification approach for android mobile devices, and multimedia using chaotic and perceptual hashing function. The second part of this handbook focuses on multimedia processing for various potential applications. The chapter includes a detail survey of image processing based automated glaucoma detection techniques and role of de-noising, recent study of dictionary learning based image reconstruction techniques for analyzing the big medical data, brief introduction of quantum image processing and it applications, a segmentation-less efficient Alzheimer detection approach, object recognition, image enhancements and de-noising techniques for emerging applications, improved performance of image compression approach, and automated detection of eye related diseases using digital image processing. The third part of this handbook introduces multimedia applications. The chapter includes the extensive survey on the role of multimedia in medicine and multimedia forensics classification, a finger based
authentication system for e-health security, analysis of recently developed deep learning techniques for emotion and activity recognition. Further, the book introduce a case study on change of ECG according to time for user identification, role of multimedia in big data, cloud computing, the Internet of things (IoT) and blockchain environment in detail for real life applications. This handbook targets researchers, policy makers, programmers and industry professionals in creating new knowledge for developing efficient techniques/framework for multimedia applications. Advanced level students studying computer science, specifically security and multimedia will find this book useful as a reference.

As the advancement of technology continues, cyber security continues to play a significant role in today’s world. With society becoming more dependent on the internet, new opportunities for virtual attacks can lead to the exposure of critical information. Machine and deep learning techniques to prevent this exposure of information are being applied to address mounting concerns in computer security. The Handbook of Research on Machine and Deep Learning Applications for Cyber Security is a pivotal reference source that provides vital research on the application of machine learning techniques for network security research. While highlighting topics such as web security, malware detection, and secure information sharing, this publication explores recent research findings in the area of electronic security as well as challenges and countermeasures in cyber security research. It is ideally designed for software engineers, IT specialists, cybersecurity analysts, industrial experts, academicians, researchers, and post-graduate students.

While yoga was originally intended to be practiced for spiritual growth, there is an increasing interest in applying yoga in all areas of life. It is important to understand this ancient science and way of life through as many perspectives as possible (e.g., based on biomedical engineering). As its popularity and interest grows, more practitioners want to know about the proven physiological effects and uses in healthcare. The Handbook of Research on Evidence-Based Perspectives on the Psychophysiology of Yoga and Its Applications provides research exploring the theoretical and practical aspects of yoga therapy and its physiological effects from diverse, evidence-based viewpoints. The book adds in-depth information regarding the (1) physiological effects of yoga; (2) neurobiological effects of yoga meditation; (3) psychological benefits related to yoga, such as mental wellbeing; (4) molecular changes associated with yoga practice; and (5) therapeutic applications (for lymphedema, mental health disorders, non-communicable diseases, attention deficit hyperactivity disorder, and trauma, among other conditions). Featuring coverage on a broad range of topics such as pain management, psychotherapy, and trauma treatment, this book is ideally designed for yoga practitioners, physicians, medical professionals, health experts, mental health professionals, therapists, counselors, psychologists, spiritual leaders, academicians, researchers, and students.

This book reviews empirical and theoretical research on sustainable development in the context of leisure management for communities. Although leading research centers are pursuing interdisciplinary research on leisure in the context of sustainable development, there are still few papers that holistically address the current challenges in this area. In addition, demographic changes have made the promotion of a healthy lifestyle essential. Doing so requires responsible behavior on the part of various stakeholders in this market. This book fills an important gap in the literature and gathers contributions from an interdisciplinary and international team of authors, whose fields of expertise include human geography, management, intersections of sustainability and leisure, behavioral psychology and tourism.

Provides timely, comprehensive coverage of in vivo chemical reactions within live animals This handbook summarizes the interdisciplinary expertise of both chemists and biologists performing in vivo chemical reactions within live animals. By comparing and contrasting currently available chemical and biological techniques, it serves not just as a collection of the pioneering work done in
animal-based studies, but also as a technical guide to help readers decide which tools are suitable and best for their experimental needs. The Handbook of In Vivo Chemistry in Mice: From Lab to Living System introduces readers to general information about live animal experiments and detection methods commonly used for these animal models. It focuses on chemistry-based techniques to develop selective in vivo targeting methodologies, as well as strategies for in vivo chemistry and drug release. Topics include: currently available mouse models; biocompatible fluorophores; radionuclides for radiodiagnosis/radiotherapy; live animal imaging techniques such as positron emission tomography (PET) imaging; magnetic resonance imaging (MRI); ultrasound imaging; hybrid imaging; biocompatible chemical reactions; ligand-directed nucleophilic substitution chemistry; biorthogonal prodrug release strategies; and various selective targeting strategies for live animals. -Completely covers current techniques of in vivo chemistry performed in live animals -Describes general information about commonly used live animal experiments and detection methods -Focuses on chemistry-based techniques to develop selective in vivo targeting methodologies, as well as strategies for in vivo chemistry and drug release -Places emphasis on material properties required for the development of appropriate compounds to be used for imaging and therapeutic purposes in preclinical applications Handbook of In Vivo Chemistry in Mice: From Lab to Living System will be of great interest to pharmaceutical chemists, life scientists, and organic chemists. It will also appeal to those working in the pharmaceutical and biotechnology industries.

This book presents an up-to-date and comprehensive review of female contraception, offering an extensive overview of contraception types, including oral, injectable, emergency, and various cervical barrier contraceptives. It also discusses behavioral and sterilization methods of contraception as well as the clinical effectiveness, advantages, disadvantages, side effects, and mechanisms of action of each method. Now in its fully revised and expanded third edition, this text includes seven new chapters that address specific clinical issues that healthcare providers face daily. These issues include patients with medical problems, perimenopausal women, the adolescent population, post-pregnancy patients, patients with bleeding problems, fibroids or hyperplasia, obese patients and patients with acne or hirutism. There is also a new chapter dedicated to contraceptive methods that are currently in development. Each chapter reviews the correct use of the individual method, the most appropriate candidates, timing of initiation, red flag contraindications, risks and benefits, method of action, handling side effects, non-contraceptive benefits, switching methods and the CDC Medical Eligibility for the method. Importantly however, there is a new emphasis placed on standardized evidence-based practice recommendations incorporating the most recent US Selected Practice Recommendations and rationale as published by the US CDC. Written by experts in the field, The Handbook of Contraception, Third Edition, is a valuable resource for obstetricians, gynecologists, reproductive medicine specialists and primary care physicians.

The Routledge Handbook of Translation, Feminism and Gender provides a comprehensive, state-of-the-art overview of feminism and gender awareness in translation and translation studies today. Bringing together work from more than 20 different countries – from Russia to Chile, Yemen, Turkey, China, India, Egypt and the Maghreb as well as the UK, Canada, the USA and Europe – this Handbook represents a transnational approach to this topic, which is in development in many parts of the world. With 41 chapters, this book presents, discusses, and critically examines many different aspects of gender in translation and its effects, both local and transnational. Providing overviews of key questions and case studies of work currently in progress, this Handbook is the essential reference and resource for students and researchers of translation, feminism, and gender.

Consumer needs and demands are constantly changing. Because of this, marketing science and finance have their own concepts and theoretical backgrounds for evaluating consumer-related challenges. However, examining the function of finance with a marketing discipline can help to better
understand internal management processes and compete in today’s market. The Handbook of Research on Decision-Making Techniques in Financial Marketing is a collection of innovative research that integrates financial and marketing functions to make better sense of the workplace environment and business-related challenges. Different financial challenges are taken into consideration while many of them are based on marketing theories such as agency theory, product life cycle, and optimal consumer experience. While highlighting topics including behavioral financing, corporate ethics, and Islamic banking, this book is ideally designed for financiers, marketers, financial analysts, marketing strategists, researchers, policymakers, government officials, academicians, students, and industry professionals.

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