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TARGET MH-CET 2018 (MBA / MMS) 2018 - Past (2007 - 2017) + 6 Mock Tests - 9th Edition **Handbook of Research on Resource Management for Pollution and Waste Treatment** Digital Activism in Asia Reader **Characterization of Nanomaterials** *Self-injurious Behavior* Lexicon of Psychiatric and Mental Health Terms Cone Beam Computed Tomography in Orthodontics **Fundamental Skills for Patient Care in Pharmacy Practice** *Chemical Peels Emerging Nanomaterials for Advanced Technologies AI and Financial Markets* **MhGAP Intervention Guide for Mental, Neurological and Substance-Use Disorders in Non-Specialized Health Settings - Version 2. 0** Chitosan in Drug Delivery **Advances in Mechanical and Materials Technology** *Healthy Aging and the Community Environment Phloem* Industrial Applications of Green Solvents Applications of Nanomaterials *Comprehensive Textbook on Vitiligo* **Fungal Pigments** *Nanostructured Biomaterials* Research in the Islamic Context **Rethinking Corporate Sustainability in the Era of Climate Crisis Synthesis of Inorganic Nanomaterials Assessment and Diagnosis of Personality Disorders** Bioorganic Phase in Natural Food: An Overview Computational Intelligence in Healthcare Applications Advanced Materials for Agriculture, Food, and Environmental Safety **Bio- and Nanosorbents from Natural Resources Food Applications of Nanotechnology** Index Medicus *Cumulated Index Medicus Dual Specificity Phosphatases* **Head and Neck Surgery and Oncology Silver Nanoparticles: Synthesis, Functionalization and Applications** Translational Informatics in Smart Healthcare **Gastrointestinal Hormones** Biological Synthesis of Nanoparticles and Their Applications *A Sanskrit-English Dictionary Evidence-Based Practice for Public Health Emergency Preparedness and Response*

*Emerging Nanomaterials for Advanced Technologies* Mar 27 2022 Over the past decade the world has seen the rise of the fascinating and diverse field currently recognized as nanotechnology. This book covers a broad spectrum of topics within nanotechnology, including synthesis techniques, various innovative characterization techniques, growth mechanisms of nanomaterials, the physics and chemistry of nanomaterials, diverse functionalization methods, and the various applications of nanomaterials in biology, therapeutics, energy, food science, and environmental science. It also discusses applications of nanostructured materials, integrative applications such as nano- and micro-electronic sensor devices, as well as agricultural and environmental remediation applications. The book also includes a discussion of advances in functionalized nanomaterials (0D, 1D, 2D and 3D) and covers the early stages of the development of functionalized nanostructures, considering the future for 2D nanomaterials and 3D objects. Additionally, it includes a chapter on nanomaterial research development that highlights work on the life-cycle analysis of nanostructured materials and toxicity aspects. This book proves useful for researchers and professionals working in the field of nanomaterials and green technology, as well as in the field of nanotechnology. It should be useful to students and specialized researchers in a number of disciplines ranging from biology, chemistry, and materials science to engineering and manufacturing in both academia and industry.

Digital Activism in Asia Reader Nov 03 2022 The digital turn might as well be marked as an Asian turn. From flash-mobs in Taiwan to feminist mobilisations in India, from hybrid media strategies of Syrian activists to cultural protests in Thailand, we see the emergence of political acts that transform the citizen from being a beneficiary of change to becoming an agent of change. In co-shaping these changes, what the digital shall be used for, and what its consequences will be, are both up for speculation and negotiation. Digital Activism in Asia marks a particular shift where these questions are no longer being refracted through the ICT4D logic, or the West's attempts to save Asia from itself, but shaped by multiplicity, unevenness, and urgencies of digital sites and users in Asia. This reader crowd-sources critical tools, concepts, analyses, and annotations, self-identified by a network of change makers in Asia as important in their own practices within their own contexts.

*Phloem* Sep 20 2021 Phloem: Molecular Cell Biology, Systemic Communication, BioticInteractions is a timely collection of research on thecellular and molecular biology of this plant vascular tissue.Recent advances in phloem research have revealed the centrality ofthis plant tissue to whole plant development and physiology.Building on advances made through developments of new analyticaltechnologies, this book will provide readers with a current andcomprehensive reference on the role of phloem in plant growth anddevelopment. Collecting the work of a global team of leadingresearchers, Phloem will provide the reader with avaluable synthesis of the latest research in a single volume.

**Assessment and Diagnosis of Personality Disorders** Dec 12 2020 The vital guide to reliable diagnosis and assessment of personality disorders internationally.

*Nanostructured Biomaterials* Apr 15 2021 This book presents recent advances in nanostructured biomaterials. It covers the structures and applications of advanced nanostructured biomaterials. The topics covered include overview on biological activities of thiazole derivatives, imidazole derivatives, pyrazole derivatives, tetrazole derivatives, benzimidazole derivatives, oxazole, isoxazoles, etc. The book also covers the topic of nanocarriers as drug delivery vectors. Given the contents, the book will be useful for students, researchers and professionals working in the area of biomaterials and nanomaterials.

Advanced Materials for Agriculture, Food, and Environmental Safety Sep 08 2020 The book focuses on the role of advanced materials in the food,water and environmental applications. The monitoring ofharmful organisms and toxicants in water, food and beverages ismainly discussed in the respective chapters. The seniorcontributors write on the following topics: Layered double hydroxides and environment Corrosion resistance of aluminium alloys of silanes New generation material for the removal of arsenic fromwater Prediction and optimization of heavy clay products quality Enhancement of physical and mechanical properties of fiber Environment friendly acrylates latices Nanoparticles for trace analysis of toxins Recent development on gold nanomaterial as catalyst Nanosized metal oxide based adsorbents for heavy metalremoval Phytosynthesized transition metal nanoparticles- novelfunctional agents for textiles Kinetics and equilibrium modeling Magnetic nanoparticles for heavy metal removal Potential applications of nanoparticles as antipathogens Gas barrier properties of biopolymer based nanocomposites:Application in food packing Application of zero-valent iron nanoparticles for environmentalclean up Environmental application of novel TiO2 nanoparticles

*A Sanskrit-English Dictionary* Sep 28 2019 29 cm.

**Characterization of Nanomaterials** Oct 02 2022 Characterization of Nanomaterials: Advances and Key Technologies discusses the latest advancements in the synthesis of various types of nanomaterials. The book's main objective is to provide a comprehensive review regarding the latest advances in synthesis protocols that includes up-to-date data records on the synthesis of all kinds of inorganic nanostructures using various physical and chemical methods. The synthesis of all important nanomaterials, such as carbon nanostructures, Core-shell Quantum dots, Metal and metal oxide nanostructures, Nanoferrites, polymer nanostructures, nanofibers, and smart nanomaterials are discussed, making this a one-stop reference resource on research accomplishments in this area. Leading researchers from industry, academia, government and private research institutions across the globe have contributed to the book. Academics, researchers, scientists, engineers and students working in the field of polymer nanocomposites will benefit from its solutions for material problems. Provides an up-to-date data record on the synthesis of all kinds of organic and inorganic nanostructures using various physical and chemical methods Presents the latest advances in synthesis protocols Presents latest techniques used in the physical and chemical characterization of nanomaterials Covers characterization of all the important materials groups such as: carbon nanostructures, core-shell quantumdots, metal and metal oxide nanostructures, nanoferrites, polymer nanostructures and nanofibers A broad range of applications is covered including the performance of batteries, solar cells, water filtration, catalysts, electronics, drug delivery, tissue engineering, food packaging, sensors and fuel cells Leading researchers from industry, academia, government and private research institutes have contributed to the books

Biological Synthesis of Nanoparticles and Their Applications Oct 29 2019 Biological Synthesis of Nanoparticles and Their Applications gives insight into the synthesis of nanoparticles utilizing the natural routes. It demonstrates various strategies for the synthesis of nanoparticles utilizing plants, microscopic organisms like bacteria, fungi, algae and so forth. It orchestrates interdisciplinary hypothesis, ideas, definitions, models and discoveries associated with complex cell of the prokaryotes and eukaryotes. Highlights: Discusses biological approach towards the nanoparticle synthesis Describes the role of nanotechnology in the field of medicine and its medical devices Covers application and usage of the chemicals at the molecular level to act as catalysts and binding products for both organic and inorganic Chemical Reactions Reviews application in physics such as solar cells, photovoltaics and other usage Microorganisms can aggregate and detoxify substantial metals because of different reductase enzymes, which can diminish metal salts to metal nanoparticles. The readers after going through this book will have detailed account of mechanism of bio-synthesis of nanoparticles.

*Evidence-Based Practice for Public Health Emergency Preparedness and Response* Aug 27 2019 When communities face complex public health emergencies, state local, tribal, and territorial public health agencies must make difficult decisions regarding how to effectively respond. The public health emergency preparedness and response (PHEPR) system, with its multifaceted mission to prevent, protect against, quickly respond to, and recover from public health emergencies, is inherently complex and encompasses policies, organizations, and programs. Since the events of September 11, 2001, the United States has invested billions of dollars and immeasurable amounts of human capital to develop and enhance public health emergency preparedness and infrastructure to respond to a wide range of public health threats, including infectious diseases, natural disasters, and chemical, biological, radiological, and nuclear events. Despite the investments in research and the growing body of empirical literature on a range of preparedness and response capabilities and functions, there has been no national-level, comprehensive review and grading of evidence for public health emergency preparedness and response practices comparable to those utilized in medicine and other public health fields. Evidence-Based Practice for Public Health Emergency Preparedness and Response reviews the state of the evidence on PHEPR practices and the improvements necessary to move the field forward and to strengthen the PHEPR system. This publication evaluates PHEPR evidence to understand the balance of benefits and harms of PHEPR practices, with a focus on four main areas of PHEPR: engagement with and training of community-based partners to improve the outcomes of at-risk populations after public health emergencies; activation of a public health emergency operations center; communication of public health alerts and guidance to technical audiences during a public health emergency; and implementation of quarantine to reduce the spread of contagious illness.

**Bio- and Nanosorbents from Natural Resources** Aug 08 2020 This book reviews the work in the field of nanoadsorbents derived from natural polymers, with a special emphasis on materials finding application in water remediation. It includes natural materials both with an organic or an inorganic skeleton, from which the nanomaterials can be made. Those nanomaterials can therefore be used to reinforce other matrices and in their pristine form have an extraordinary adsorption efficiency. Being of natural or biological origin, the materials described in this book distinguish themselves as eco-friendly and non-toxic. The book describes how these benefits of the described materials can be combined and exploited. It will thus appeal to chemists, nanotechnologists, environmental engineers and generally all scientist working in the field of water pollution and remediation as an inspiration for the innovation toward new technologies.

*Cumulated Index Medicus* May 05 2020

*Healthy Aging and the Community Environment* Oct 22 2021

*AI and Financial Markets* Feb 23 2022 Artificial intelligence (AI) is regarded as the science and technology for producing an intelligent machine, particularly, an intelligent computer program. Machine learning is an approach to realizing AI comprising a collection of statistical algorithms, of which deep learning is one such example. Due to the rapid development of computer technology, AI has been actively explored for a variety of academic and practical purposes in the context of financial markets. This book focuses on the broad topic of “ AI and Financial Markets ” , and includes novel research associated with this topic. The book includes contributions on the application of machine learning, agent-based artificial market simulation, and other related skills to the analysis of various aspects of financial markets.

**Fundamental Skills for Patient Care in Pharmacy Practice** May 29 2022 Fundamental Skills for Patient Care in Pharmacy Practice enables students and new pharmacists to master the skills associated with clinical care in either the inpatient or outpatient setting. In accessible steps, this valuable resource provides the tools for gaining medication histories from patients and counseling them on the most effective and safe manner to take medications. Each chapter explores the background and practice of a critical skill, tools that aid in its development and mastery, and tips for success. Students and pharmacists will come away with the knowledge to identify drug-related problems and formulate plans for solutions to these problems. Fundamental Skills for Patient Care in Pharmacy Practice prepares future pharmacists to communicate effectively in verbal and written formats with health professionals and special patient populations as they prepare and present SOAP notes, patient cases, and discharge counseling.

**Advances in Mechanical and Materials Technology** Nov 22 2021 This book presents select papers from the International Conference on Energy, Material Sciences and Mechanical Engineering (EMSME) - 2020. The book covers the three core areas of energy, material sciences and mechanical engineering. The topics covered include non-conventional energy resources, energy harvesting, polymers, composites, 2D materials, systems engineering, materials engineering, micro-machining, renewable energy, industrial engineering and additive manufacturing. This book will be useful to researchers and professionals working

in the areas of mechanical and industrial engineering, materials applications, and energy technology.

Chitosan in Drug Delivery Dec 24 2021 Chitosan in Drug Delivery provides thorough insights into chitosan chemistry, collection, chemical modifications, characterization and applications in the pharmaceutical industry and healthcare fields. The book explores molecular weight, degree of deacetylation and molecular geometry, emphasizing recent advances in the field as written by academic, industry and regulatory scientists. It will be a useful resource for pharmaceutical scientists, including industrial pharmacists, analytical scientists, postgraduate students, health care professionals and regulatory scientists actively involved in pharmaceutical product and process development in natural polymers containing drug delivery. Provides methodologies for the design, development and selection of chitosan in drug delivery for particular therapeutic applications Includes illustrations demonstrating the mechanism of biological interaction of chitosan Discusses the regulatory aspects and demonstrates the clinical efficacy of chitosan

**Food Applications of Nanotechnology** Jul 07 2020 Nanotechnology has developed remarkably in recent years and, applied in the food industry, has allowed new industrial advances, the improvement of conventional technologies, and the commercialization of products with new features and functionalities. This progress offers the potential to increase productivity for producers, food security for consumers and economic growth for industries. Food Applications of Nanotechnology presents the main advances of nanotechnology for food industry development. The fundamental concepts of the technique are presented, followed by examples of application in several sectors, such as the enhancement of flavor, color and sensory characteristics; the description of the general concepts of nano-supplements, antimicrobial nanoparticles and other active compounds into food; and developments in the field of packaging, among others. In addition, this work updates readers on the industrial development and the main regulatory aspects for the safety and commercialization of nanofoods. Features: Provides a general overview of nanotechnology in the food industry Discusses the current status of the production and use of nanomaterials as food additives Covers the technological developments in the areas of flavor, color and sensory characteristics of food and food additives Reviews nanosupplements and how they provide improvements in nutritional functionality Explains the antibacterial properties of nanoparticles for food applications This book will serve food scientists and technologists, food engineers, chemists and innovators working in food or ingredient research and new product development. Gustavo Molina is associate professor at the UFVJM (Diamantina—Brazil) in Food Engineering and head of the Laboratory of Food Biotechnology and conducts scientific and technical research. His research interests are focused on industrial biotechnology. Dr. Inamuddin is currently working as assistant professor in the chemistry department of Faculty of Science, King Abdulaziz University, Jeddah, Saudi Arabia. He is also a permanent faculty member (assistant professor) at the Department of Applied Chemistry, Aligarh Muslim University, Aligarh, India. He has extensive research experience in multidisciplinary fields of analytical chemistry, materials chemistry, and electrochemistry and, more specifically, renewable energy and environment. Prof. Abdullah M. Asiri is professor of organic photochemistry and has been the head of the chemistry department at King Abdulaziz University since October 2009, as well as the director of the Center of Excellence for Advanced Materials Research (CEAMR) since 2010. His research interest covers color chemistry, synthesis of novel photochromic and thermochromic systems, synthesis of novel coloring matters and dyeing of textiles, materials chemistry, nanochemistry and nanotechnology, polymers, and plastics. Franciele Maria Pelissari graduated in Food Engineering; earned her master ' s degree (2009) at the University of Londrina (UEL), Londrina, Brazil; and her PhD (2013) at the University of Campinas (Unicamp), Campinas, Brazil. Since 2013, she has been associate professor at the Institute of Science and Technology program at the Federal University of Jequitinhonha and Mucuri (UFVJM), Diamantina, Brazil, in Food Engineering, and also full professor in the graduate program in Food Science and Technology.

*Self-injurious Behavior* Sep 01 2022 A comprehensive, interdisciplinary review of the research on etiology and treatment of this chronic condition for which there is no known apparent cure. With an estimated prevalence rate of 13 per cent. SIB occurs most frequently among persons who are retarded and autistic. In this volume, the field's leading researchers examine a new generation of models and theories with a level of specificity far beyond what was heretofore imagined possible. From the burgeoning area of research on functional assessment and the behavioural and biological antecedents of SIB, to the role of Lesch-Nyhan Syndrome and opioid peptides, the work of these foremost basic, applied, and behavioural researchers is sure to greatly enhance feloow researchers', teachers', and clinicians' understanding of this devastating condition.

*Dual Specificity Phosphatases* Apr 03 2020 Dual specificity phosphatases (DUSPs) constitute a heterogeneous group of protein tyrosine phosphatases with the ability to dephosphorylate Ser/Thr and Tyr residues from proteins, as well as from other non-proteinaceous substrates including signaling lipids. DUSPs include, among others, MAP kinase (MAPK) phosphatases (MKPs) and small-size atypical DUSPs. MKPs are enzymes specialized in regulating the activity and subcellular location of MAPKs, whereas the function of small-size atypical DUSPs seems to be more diverse. DUSPs have emerged as key players in the regulation of cell growth, differentiation, stress response, and apoptosis. DUSPs regulate essential physiological processes, including immunity, neurobiology and metabolic homeostasis, and have been implicated in tumorigenesis, pathological inflammation and metabolic disorders. Accordingly, alterations in the expression or function of MKPs and small-size atypical DUSPs have consequences essential to human disease, making these enzymes potential biological markers and therapeutic targets. This Special Issue covers recent advances in the molecular mechanisms and biological functions of MKPs and small-size atypical DUSPs, and their relevance in human disease.

Bioorganic Phase in Natural Food: An Overview Nov 10 2020 The focus of this singular work is to discuss the role and importance of bioorganic phase in food products-providing the first major reference source for researchers looking to understand all aspects of the isolation, extraction and application of this major element in natural foods. From the identifying features to its applications through biotechnology and nanobiotechnology, this book covers all of the important aspects of bioorganic phase and points to future uses and methods. With chapters focusing on phase extraction and application, food product synthesis and nanoparticle application, Bioorganic Phase in Natural Food: An Overview covers both conventional and non-conventional approaches for the extraction of bioorganic phase from various food sources. Toxicity studies in nanoparticles are presented, and the vital role played by bioorganic phase toward nanoparticles synthesis is outlined in full. For any researcher looking for complete coverage of all main aspects of bioorganic phase in foods, this work provides a comprehensive and well-researched view of this important subject. .

**Gastrointestinal Hormones** Nov 30 2019

Translational Informatics in Smart Healthcare Jan 01 2020 This book is about the transformation of the biomedical information to smart healthcare, the chapters are designed to discuss the health associated factors such as genetics, lifestyle, nutrition and environmental factors. The interactions of these factors and the informatics for the analyses of their effects on health are also covered. The era of aging is approaching and the P4 (predictive, preventive, personalized and participatory) medicine paradigm is becoming practical and reality. According to the Kondratiev's long wave theory, IT (information technology) and health will be the next technological revolution for the new economic cycle. This book is written for biomedical informatics scientists, clinicians, health practitioners and researchers, etc.

*Chemical Peels* Apr 27 2022 Chemical peeling is a technique used to improve the appearance of the skin that is typically performed on the face, neck or hands. In this treatment, a chemical solution is applied to the skin that causes it to "blister" and eventually peel off. The new, regenerated skin is usually smoother and less wrinkled than the old skin (American Society for Dermatologic Surgery). This book is a practical guide to chemical peel processes for dermatologists. Divided into 41 sections, the text begins with an overview of the history and classification of chemical peels, histology of skin and wound healing, basic chemistry and patient assessment and preparation. The following chapters cover numerous types of chemical peel treatments for a variety of disorders, and the book concludes with discussion on peel treatment results amongst patients of different ethnicities and skin tones. Edited by internationally recognised specialists in the field of dermatology, the book is highly illustrated with nearly 350 clinical photographs and tables to enhance learning. Key points Practical guide to chemical peel processes for dermatologists Covers numerous types of chemical peel treatments for different disorders Edited by internationally recognised specialists in the field Highly illustrated with clinical photographs and tables

Index Medicus Jun 05 2020

Computational Intelligence in Healthcare Applications Oct 10 2020 Computational Intelligence in Healthcare Applications discusses a variety of techniques designed to represent, enhance and empower inter-domain research based on computational intelligence in healthcare. The book serves as a reference for the pervasive healthcare domain which takes into consideration new convergent computing and other applications. The book discusses topics such as mathematical modeling in medical imaging, predictive modeling based on artificial intelligence and deep learning, smart healthcare and wearable devices, and evidence-based predictive modeling. In addition, it discusses computer-aided diagnostic for clinical inferences and pervasive and ubiquitous techniques in healthcare. This book is a valuable resource for graduate students and researchers in medical informatics, however, it is also ideal for members of the biomedical field and healthcare industry who are interested in learning more about novel technologies and their applications in the field. Presents advanced procedures to address and enhance available diagnostic methods Focuses on identifying challenges and solutions through an integrated approach that shapes a path for new research dimensions Discusses the implementation of deep learning techniques for the detection and classification of diseases

Industrial Applications of Green Solvents Aug 20 2021 The book explores industrial applications of green solvents in industrially important areas such as oil extraction, sensors and biosensors, CO2 capture, lignocellulosic biomass utilization, bio-based chemicals and their application in catalysis, electrochemical devices, purification of pharmaceuticals, organic synthesis and transformations, bio-lubricant additives, aluminum and aluminum-alloy production. The solvents covered include water, ionic liquids, supercritical carbon dioxide and glycerol.

**Head and Neck Surgery and Oncology** Mar 03 2020 Rev. ed. of: Head and neck surgery and oncology. 3rd ed. 2003.

**Fungal Pigments** May 17 2021 This book is a printed edition of the Special Issue "Fungal Pigments" that was published in JoF

Research in the Islamic Context Mar 15 2021 This book explores some of the political and methodological directions that collectively lead to the repositioning of Islam in social science research as both an epistemic/ontological category and as a method. Chapters by experts in the field explore research in the Islamic context vis- à -vis these two distinct yet somehow interrelated frames. The question being raised here is how Islam as socio-religious notion is related to Islam as a theoretical/methodological framework. Taking cues from the experience of contributors, this book also examines the question if current methodologies or frames of references are pluralized enough to accommodate the question of Muslims or could the scholars themselves create alternative directions around the dominant spaces. The book offers ethnographic studies of Muslim communities mostly in minority settings and engages with a number of issues researchers encounter when dealing with the lived or everyday Islam. This book is essential reading for anyone engaged in the study of Muslims in the contemporary world. It will appeal to scholars of religious studies, studies of Islam in the West, anthropology, sociology, cultural studies, human geography and research methods.

**Handbook of Research on Resource Management for Pollution and Waste Treatment** Dec 04 2022 It is necessary to understand the extent of pollution in the environment in terms of the air, water, and soil in order for both humans and animals to live healthier lives. Poor waste treatment or pollution monitoring can lead to massive environmental issues, such as diminishing valuable resources, and cause a significant negative impact on society. Solutions, such as reuse of waste and sustainable waste management, must be explored to prevent these adverse effects. The Handbook of Research on Resource Management for Pollution and Waste Treatment is a collection of innovative research that examines waste and pollution treatment methods that can be adopted at local and international levels and examines appropriate resource management strategies for environmentally related issues. Featuring coverage on a wide range of topics such as soil washing, bioremediation, and runoff handling, this book is ideally designed for environmentalists, engineers, waste management professionals, natural resource regulators, environmental policymakers, scientists, academicians, researchers, and students seeking current research on viable resource management methods for the regeneration of their immediate environment.

**MhGAP Intervention Guide for Mental, Neurological and Substance-Use Disorders in Non-Specialized Health Settings - Version 2. 0** Jan 25 2022 The mhGAP Intervention Guide (mhGAP-IG) for Mental, Neurological and Substance-use Disorders for Non-specialist Health Settings, is a technical tool developed by WHO to assist in implementation of mhGAP. The Intervention Guide has been developed through a systematic review of evidence followed by an international consultative and participatory process. The mhGAP-IG presents integrated management of priority conditions using protocols for clinical decision-making. The priority conditions included are: depression, psychosis, bipolar disorders, epilepsy, developmental and behavioural disorders in children and adolescents, dementia, alcohol use disorders, drug use disorders, self-harm/suicide and other significant emotional or medically unexplained complaints. The mhGAP-IG is a model guide and has been developed for use by health-care providers working in non-specialized health-care settings after adaptation for national and local needs.

**Synthesis of Inorganic Nanomaterials** Jan 13 2021 Synthesis of Inorganic Nanomaterials: Advances and Key Technologies discusses the latest advancements in the synthesis of various types of nanomaterials. The book's main objective is to provide a comprehensive review regarding the latest advances in synthesis protocols that includes up-to-date data records on the synthesis of all kinds of inorganic nanostructures using various physical and chemical methods. The synthesis of all important nanomaterials, such as carbon nanostructures, Core-shell Quantum dots, Metal and metal oxide nanostructures, Nanoferrites, polymer nanostructures, nanofibers, and smart nanomaterials are discussed, making this a one-stop reference resource on research accomplishments in this area. Leading researchers from industry, academia, government and private research institutions across the globe have contributed to the book. Academics, researchers, scientists, engineers and students working in the field of polymer nanocomposites will benefit from its solutions for material problems. Provides an up-to-date data record on the synthesis of all kinds of organic and inorganic nanostructures using various physical and chemical methods Presents the latest

advances in synthesis protocols Includes the latest techniques used in the physical and chemical characterization of nanomaterials Covers the characterization of all the important materials groups, such as carbon nanostructures, core-shell quantum dots, metal and metal oxide nanostructures, Nano ferrites, polymer nanostructures and nanofibers

**Rethinking Corporate Sustainability in the Era of Climate Crisis** Feb 11 2021 This book provides a clear, critical, and timely analysis of the state of corporate sustainability within the context of the climate crisis. It offers not only a substantive critique of the current efforts but also clarity about the changes needed and how to implement them. The book goes beyond the more common debate on shareholder capitalism vs. stakeholder capitalism to explain the shortcomings of the current approach to sustainability in business, which the author describes as sustainability-as-usual. Using strategic design lenses, the author proposes a new model of awakened sustainability, which offers a transformational shift in corporate sustainability to ensure companies fairly and effectively address the climate crisis. The book presents the numerous changes needed in the environment in which companies operate to enable awakened sustainability and how these changes can be realized. Grounded in the scientific community ' s calls for urgent action on climate change, this groundbreaking text provides scholars with an evaluation of current and future trends in corporate sustainability. It connects the dots between the progress made in the last five decades and the opportunities entailed in the work on a regenerative and just vision for companies in this decade and beyond.

***Comprehensive Textbook on Vitiligo*** Jun 17 2021 Vitiligo is a disorder having a significant impact in dark-skinned individuals. Along with the historical, cultural, and psychological aspects of the disease the multifactorial pathogenesis of this disorder is discussed in detail with special emphasis on the newer hypotheses proposed in the causation. Descriptions of the clinical aspects of the disease are supplemented with clinical photographs covering the latest therapeutic and surgical treatment options. Nonconventional treatments such as cosmetic camouflage and tattooing are also discussed. Topics of controversy such as the role of diet, patient selection for surgery, and so on, are covered in depth. Key Features Discusses the recent advances in treatment Evidence-based approach Quality of life and psychological aspects covered Nonconventional treatment options included with practical tips on vitiligo surgery Controversial topics covered

Lexicon of Psychiatric and Mental Health Terms Jul 31 2022 This book provides concise definitions for some 700 terms used in the diagnosis & classification of mental discorder. Now in its second edition, the lexicon has been revised & expanded to meet the practical need, in clinical work, teaching & research, for an explicit & authoritiative lexis of terms used in the chapter on mental & behavioral disorders of the 10th revision of the INTERNATIONAL STATISTICAL CLASSIFICATION OF DISEASES & RELATED HEALTH PROBLEMS(ICD-10). Most of the terms have been newly defined for the second edition, in line with the extensive revisions incorporated in ICD-10. Each term is defined as precisely & concisedly as possible. Where appropriate, the code number of the ICD-10 category in which the term appears is given as part of the entry. Alternative names, synonyms, & near-synonyms are also included. The lexicon represents a major step toward the achievement of an internationally-accepted nomenclature for mental disorders & should find wide application in clinical, teaching & research settings.

Applications of Nanomaterials Jul 19 2021 Applications of Nanomaterials: Advances and Key Technologies discusses the latest advancements in the synthesis of various types of nanomaterials. The book's main objective is to provide a comprehensive review regarding the latest advances in synthesis protocols that includes up-to-date data records on the synthesis of all kinds of inorganic nanostructures using various physical and chemical methods. The synthesis of all important nanomaterials, such as carbon nanostructures, Core-shell Quantum dots, Metal and metal oxide nanostructures, Nanoferrites, polymer nanostructures, nanofibers, and smart nanomaterials are discussed, making this a one-stop reference resource on research accomplishments in this area. Leading researchers from industry, academia, government and private research institutions across the globe have contributed to the book. Academics, researchers, scientists, engineers and students working in the field of polymer nanocomposites will benefit from its solutions for material problems. Provides an up-to-date data record on the synthesis of all kinds of organic and inorganic nanostructures using various physical and chemical methods Presents the latest advances in synthesis protocols Includes the latest techniques used in the physical and chemical characterization of nanomaterials Covers the characterization of all the important materials groups, such as carbon nanostructures, core-shell quantum dots, metal and metal oxide nanostructures, nanoferrites, polymer nanostructures and nanofibers

**Silver Nanoparticles: Synthesis, Functionalization and Applications** Jan 31 2020 Silver Nanoparticles: Synthesis, Functionalization and Applications presents detailed information about the range of methods of synthesizing silver nanoparticles (AgNPs). The book systematically delves into the subject with an introductory chapter before moving to chemical synthesis of AGnPs and fabrication methods which help in assigning functional properties for useful nanomaterials. Basic and advanced synthetic methods like surface functionalization and bioconjugation are covered. Additionally, the book informs about impactful applications of AGNPs across a range of industries. Through this book, readers will be able to understand the importance of silver nanoparticles as a futuristic material in scientific investigations and gain a comprehensive understanding of the operational strategies revolving around their surface modification and conjugation. Key Features: -Covers the basics of silver nanoparticle (AGNP) synthesis -Focuses on green methods of AGNPs - Covers information about surface modification and functionalization of AGNPs with different molecules (including biomolecules) -Covers a range of applications of AGNPs -Includes advanced applications of AGNPs in next-generation antibiotics Silver Nanoparticles: Synthesis, Functionalization and Applications a handy reference for scholars in advanced chemical engineering, materials science and pharmacology programs as well as anyone who wants to know all about silver nanoparticles.

TARGET MH-CET 2018 (MBA / MMS) 2018 - Past (2007 - 2017) + 6 Mock Tests - 9th Edition Jan 05 2023 Target MH-CET contains the detailed solutions of MHCET 2007 to 2017. The solution to each and every question has been provided. The past papers will guide you in terms of what has been asked in the earlier years. Thus in all there are 10 past papers as the MH-CET paper was not held in 2013. This is followed by 6 Mock tests designed exactly as per the pattern of the MHCET exam. Each Mock Test contains questions on the 4 sections: Section I: English Language Section II: Quantitative Aptitude Section III: Reasoning Section IV: Data Interpretation & Data Sufficiency

Cone Beam Computed Tomography in Orthodontics Jun 29 2022 Since its introduction to dentistry, cone beam computedtomography (CBCT) has undergone a rapid evolution and considerableintegration into orthodontics. However, despite the increasingpopularity of CBCT and progress in applying it to clinicalorthodontics, the profession has lacked a cohesive, comprehensiveand objective reference that provides clinicians with thebackground needed to utilize this technology optimally for treatingtheir patients. Cone Beam Computed Tomography inOrthodontics provides timely, impartial, and state-of-the-artinformation on the indications and protocols for CBCT imaging inorthodontics, clinical insights gained from these images, andinnovations driven by these insights. As such, it is the mostcurrent and authoritative textbook on CBCT in orthodontics.Additionally, two DVDs include more than 15 hours of videopresentations on related subjects from the 39th Annual MoyersSymposium and 38th Annual International Conference on CraniofacialResearch. Cone Beam Computed Tomography in Orthodontics is organizedto progress sequentially through specific topics so as to build theknowledgebase logically in this important and rapidly evolvingfield. Part I provides the foundational information on CBCTtechnology, including radiation exposure and risks, and futureevolutions in computed tomography. Part II presents the Principlesand Protocols for CBCT Imaging in Orthodontics, focusing ondeveloping evidence-based criteria for CBCT imaging, themedico-legal implications of CBCT to the professional and theprotocols and integration of this technology in orthodonticpractice. Part III provides critical information on CBCT-basedDiagnosis and Treatment Planning that includes how to interpretCBCT scans, identify incidental pathologies and the possible otheruses of this technology. Part IV covers practical aspects ofCBCT ' s Clinical Applications and Treatment Outcomes thatencompasses a range of topics, including root morphology andposition, treatment of impacted teeth, virtual surgical treatmentplanning and outcomes, and more.