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Environmental Technologies to Treat Nitrogen Pollution Francisco J. Cervantes 2009 Environmental Technologies to Treat Nitrogen Pollution will provide a thorough understanding of the principles and applications of environmental technologies to treat nitrogen contamination. The main focus will be on water and wastewater treatment, with additional coverage of leachates and off-gasses. The book will bring together an up-to-date compilation of the main physical, chemical and biological processes demanded for the removal of nitrogenous contaminants from water, wastewater, leachates and off-gasses. It will include a series of chapters providing a deep and broad knowledge of the principles and applications required for the treatment of nitrogen pollution. Each chapter will be prepared by recognized specialists across the range of different aspects involved in the removal of nitrogenous contaminants from industrial discharges. Environmental Technologies to Treat Nitrogen Pollution will be the first book to provide a complete review of all the different processes used for the global management of nitrogen pollution. It will also contain updated information about strategies to achieve nitrogen recovery and reuse in different industrial sectors. Several case studies will document the application of different environmental technologies to manage nitrogen pollution. This book will be of interest to lecturers and graduate students in the following subject areas: environmental engineering, environmental biotechnology, wastewater treatment plant design, water pollution control, contaminants recovery and reuse. The book will also be an attractive reference for environmental engineering consultants.

&?&?&?? &?&?&?&?&?&?&?&?&?&? 2011 Short stories based on real life stories by the most reputed author; published in websites.

Everything That Makes Us Human Jay Jayamohan 2020-02-20 'There are two ways to open a child's head. The pretty way and the quick way. Usually I shave the hair, use a scalpel to nick the skin then apply an electro-cautery device to burn down to bone level. It's a slow, precise method and it leaves almost no scarring. But it takes time. Time, the interminable single note of the heart monitor reminds me, I don't have.' \_\_\_\_\_ Jay Jayamohan makes life and death decisions on a daily basis. That's because he's a Consultant Paediatric Neurosurgeon in a busy Oxford hospital. Every day, parents put all their faith in him to make their sick children well again. Though he is proud of his successes, he is haunted by every failure. Jayamohan is known not only for his skill in surgery but also his human touch: to him, no patient is only a number. In this gripping and sometimes heartrending book, Jayamohan - who has featured in two highly acclaimed BBC fly-on-the-wall series following the work of neurosurgeons - brings the highs and lows of the operating theatre into vivid life. Beginning with his struggles as an Asian growing up in 1970s Britain, he chronicles his early days as a medical student and spans decades of extraordinary activity, drawing on case studies from various aspects of his career: not all of which have happy endings. Jayamohan describes how he found the strength to keep going despite terrible setbacks: no matter how many times he is knocked down, he always gets up again to face the next challenge. Everything That Makes Us Human is a pacy, gripping account of Jayamohan's life and work. He pulls no punches and owns his mistakes, but the complete picture is one of a man driven to save as many lives as possible.

Clinical Ophthalmic Oncology Bertil Damato 2014-05-20 Written by internationally renowned experts, Clinical Ophthalmic Oncology provides practical guidance and advice on the diagnosis and management of the complete range of ocular cancers. The book supplies all of the state-of-the-art knowledge required in order to identify

these cancers early and to treat them as effectively as possible. Using the information provided, readers will be able to provide effective patient care using the latest knowledge on all aspects of ophthalmic oncology, to verify diagnostic conclusions based on comparison with numerous full-color clinical photographs, and to locate required information quickly owing to the clinically focused and user-friendly format. This volume, devoted solely to uveal tumors, explains the various diagnostic and biopsy techniques that may be used and describes the therapeutic options of potential value for different types of tumor.

Astrological Magazine 1989

Nanocarriers for Drug Delivery Shyam Mohapatra 2018-10-05 Nano-carriers for Drug Delivery: Nanoscience and Nanotechnology in Drug Delivery presents recent discoveries in research on the pharmaceutical applications of the various types of nanosystem-based drug delivery systems. As many nanosystems have reached the market over the past decade, this book proves their benefits to patients. It explores these new carriers and the advances in drug delivery they have facilitated.

Reflecting the interdisciplinary nature of the subject matter, the book includes experts from different fields, and with various backgrounds and expertise. It will appeal to researchers and students from different disciplines, such as materials science, technology and various biomedical fields. Coverage includes industrial applications that bridge the gap between lab-based research and practical industrial use. The resulting work is a reference and practical source of guidance for researchers, students and scientists working in the fields of nanotechnology, materials science and technology and biomedical science. Enables readers from different fields to access recent research and protocols across traditional boundaries Focuses on protocols and techniques, as well as the knowledge base of the field, thus enabling those in R&D to learn about, and successfully deploy, cutting-edge techniques Includes sections on nanocarrier systems

Computational Glioscience Maurizio De Pittà 2019-01-21 Over the last two decades, the recognition that astrocytes - the predominant type of cortical glial cells - could sense neighboring neuronal activity and release neuroactive agents, has been instrumental in the uncovering of many roles that these cells could play in brain processing and the storage of information. These findings initiated a conceptual revolution that leads to rethinking how brain communication works since they imply that information travels and is processed not just in the neuronal circuitry but in an expanded neuron-glia network. On the other hand the physiological need for astrocyte signaling in brain information processing and the modes of action of these cells in computational tasks remain largely undefined. This is due, to a large extent, both to the lack of conclusive experimental evidence, and to a substantial lack of a theoretical framework to address modeling and characterization of the many possible astrocyte functions. This book that we propose aims at filling this gap, providing the first systematic computational approach to the complex, wide subject of neuron-glia interactions. The organization of the book is unique insofar as it considers a selection of "hot topics" in glia research that ideally brings together both the novelty of the recent experimental findings in the field and the modelling challenge that they bear. A chapter written by experimentalists, possibly in collaboration with theoreticians, will introduce each topic. The aim of this chapter, that we foresee less technical in its style than in conventional reviews, will be to provide a review as clear as possible, of what is "established" and what remains speculative (i.e. the open questions). Each topic will then be presented in its possible different aspects, by 2-3 chapters by theoreticians. These chapters will be edited in order to provide a "priming" reference for modeling neuron-glia interactions, suitable both for the graduate student and the professional researcher.

Brocklehurst's Textbook of Geriatric Medicine and Gerontology E-Book Howard M. Fillit 2016-05-06 The leading reference in the field of geriatric care, Brocklehurst's Textbook of Geriatric Medicine and Gerontology, 8th Edition, provides a contemporary, global perspective on topics of importance to today's gerontologists, internal medicine physicians, and family doctors. An increased focus on frailty, along with coverage of key issues in gerontology, disease-specific geriatrics, and complex syndromes specific to the elderly, makes this 8th Edition the reference you'll turn to in order to meet the unique challenges posed by this growing patient population. Consistent discussions of clinical manifestations, diagnosis, prevention, treatment, and more make reference quick and easy. More than 250 figures, including algorithms, photographs, and tables, complement the text and help you find what you need on a given condition. Clinical relevance of the latest scientific findings helps you easily apply the material to everyday practice. A new chapter on frailty, plus an emphasis on frailty throughout the book, addresses the complex medical and social issues that affect care, and the specific knowledge and skills essential for meeting your patients' complex needs. New content brings you up to date with information on gerontechnology, emergency and pre-hospital care, HIV and aging, intensive treatment of older adults, telemedicine, the built environment, and transcultural geriatrics. New editor Professor John Young brings a fresh perspective and unique expertise to this edition.

Intelligent Scheduling of Robotic Flexible Assembly Cells Khalid Karam Abd 2015-11-08 This book focuses on the design of Robotic Flexible Assembly Cell (RFAC) with multi-robots. Its main contribution consists of a new effective strategy for scheduling RFAC in a multi-product assembly environment, in which dynamic status and multi-objective optimization problems occur. The developed strategy, which is based on a combination of advanced solution approaches such as simulation, fuzzy

logic, system modeling and the Taguchi optimization method, fills an important knowledge gap in the current literature and paves the way for future research towards the goal of employing flexible assembly systems as effectively as possible despite the complexity of their scheduling.

**Green Organic Reactions** Gopinathan Anilkumar 2021-03-27 This book presents important developments and applications of green chemistry, especially in the field of organic chemistry. The chapters give a brief account of green organic reactions in water, green organic reactions using microwave and in solvent-free conditions. In depth discussions on the green aspects of ionic liquids, flow reactions, and recoverable catalysts are provided in this book. An exclusive chapter devoted to green Lewis acid is also included. The potential of supercritical fluids as green solvents in various areas of organic reactions is explained as well. This book will be a valuable reference for beginners as well as advanced researchers interested in green organic chemistry.

**Innovative Research in Attention Modeling and Computer Vision Applications** Pal, Rajarshi 2015-10-02 Robotics and autonomous systems can aid disabled individuals in daily living or make a workplace more productive, but these tools are only as effective as the technology behind them. Robotic systems must be able to accurately identify and act upon elements in their environment to be effective in performing their duties. *Innovative Research in Attention Modeling and Computer Vision Applications* explores the latest research in image processing and pattern recognition for use in robotic real-time cryptography and surveillance applications. This book provides researchers, students, academicians, software designers, and application developers with next-generation insight into the use of computer vision technologies in a variety of industries and endeavors. This premier reference work includes chapters on topics ranging from biometric and facial recognition technologies, to digital image and video watermarking, among many others.

**The Human Hypothalamus** Dick F. Swaab 2021-07-04 *The Human Hypothalamus: Neuroendocrine Disorders*, Volume 181 in the *Handbook of Clinical Neurology* series, provides comprehensive summaries of recent research on the brain and nervous system as they relate to clinical neurology. This volume summarizes the role of the hypothalamus in neuroendocrine disorders, identifying the mechanism of action, disorder etiology, and best practices for assessment and treatment. Disorders covered include pituitary hypothalamic disorders of development and growth, hypothalamic tumor related disorders, hypothalamic autoimmune disorders and infection, disorders of vasopressin, water and sodium homeostasis, eating disorders, and gonadotropic hormone regulation disorders. Discusses the importance of the hypothalamus in human growth and development Reviews hypothalamic related tumors, as well as pituitary, autoimmune, vasopressin and hormone regulation disorders Includes metabolic and eating disorders Identifies mechanisms of disease action and etiology Provides best practice information for assessment and treatment

**Industrial IoT Technologies and Applications** Jiafu Wan 2016-08-17 This book constitutes the thoroughly refereed post-conference proceedings of the International Conference on Industrial IoT Technologies and Applications, IoT 2016, held in GuangZhou, China, in March 2016. The volume contains 26 papers carefully reviewed and selected from 55 submissions focusing on topics such as big data, cloud computing, Internet of Things (IoT).

**The Novels of Anita Desai** Ramesh Kumar Gupta 2002 *The Book Is A Pioneering Study Of Its Kind, Chronologically Examining The Novels Of Anita Desai Mostly From A Feminist Point Of View. The Book Excels In Formally Analysing Indian And Western Traditions Of Feminism, Man-Woman Relationship And Art Of Characterisation In The Overall Context Of The Feminine Psyche Which It Thoroughly Examines. Anita Desai S Is A World Of Married Women Who Combat To Get Out Of The Manacles That Bind Them; To Evolve From Being A Mere Nonentity Victim To A Vibrant Individual Capable Of Breaking The Fetters Without Breaking The Relationship. The Book Is A Voyage From A Sense Of Incompetence And Paranoia To Self-Awareness And Resilience, To Self-Poise And Concord Within The Family Matrix. Dr. Gupta Shows How Anita Desai Has Depicted The Depths Of Human Consciousness And Subconsciousness In Her Existential Concern Which Makes Her Writings Uniquely Powerful Through Feminism. Hence, The Need And Justification Of The Book To Undertake The Present Study Of Her New Perspective On Feminism.*

**Fuhrman & Zimmerman's Pediatric Critical Care E-Book** Jerry J. Zimmerman 2021-02-05 In the highly specialized field of caring for children in the PICU, Fuhrman and Zimmerman's *Pediatric Critical Care* is the definitive reference for all members of the pediatric intensive care team. Drs. Jerry J. Zimmerman and Alexandre T. Rotta, along with an expert team of editors and contributors from around the world, have carefully updated the 6th Edition of this highly regarded text to bring you the most authoritative and useful information on today's pediatric critical care—everything from basic science to clinical applications. Contains highly readable, concise chapters with hundreds of useful photos, diagrams, algorithms, and clinical pearls. Uses a clear, logical, organ-system approach that allows you to focus on the development, function, and treatment of a wide range of disease entities. Features more international authors and expanded coverage of global topics including pandemics, sepsis treatment in underserved communities, specific global health concerns by region. Covers current trends in sepsis-related mortality and acute care

after sepsis, as well as new device applications for pediatric patients.

Weersverwachting Jenny Offill 2020-02-06 Lizzie heeft een baantje als bibliothecaresse aan de universiteit waar ze eigenlijk wilde promoveren. Ze voelt zich verantwoordelijk voor haar exverlaafde broer, wat ten koste gaat van aandacht voor haar eigen leven – en dat van haar man en kind. Dan vraagt haar voormalige promotor Sylvia, een klimaatwetenschapper en populaire podcasthost, of ze wil helpen met de groeiende toestroom aan brieven en mails. Lizzie begint vragen te beantwoorden van klimaatangstigen en religieuze eindtijdenkers. Naarmate ze zich meer verdiept in rampenpsychologie en overlevingsstrategieën raakt ze steeds minder in staat een goede overlevingsstrategie voor zichzelf te bepalen, niet alleen voor een mogelijke apocalyptische toekomst, maar ook voor het hier en nu.

Spatial Social Thought Michael Kuhn 2014-04-15 This volume presents perspectives on spatially construed knowledge systems and their struggle to interrelate. Western social sciences tend to be wrapped up in very specific, exclusionary discourses, and Northern and Southern knowledge systems are sidelined. Spatial Social Thought reimagines the social sciences as a place of encounter between all spatially bound, parochial knowledge systems.

Indian Fiction in English Amar Nath Prasad 2007 Contributed articles.

Cumulated Index Medicus 1993

Biocontrol Agents and Secondary Metabolites Sudisha Jogaiah 2020-11-13 Biocontrol and Secondary Metabolites: Applications and Immunization for Plant Growth and Protection covers established and updated research on emerging trends in plant defense signaling in, and during, stress phases. Other topics cover growth at interface as a sustainable way of life and the context of human welfare and conservation of fungi as a group of organisms. Further, the book explores induced systemic resistance using biocontrol agents and/or secondary metabolites as a milestone for sustainable agricultural production, thus providing opportunities for the minimization or elimination of the use of fungicides. Presents an overview on mechanisms by which plants protect themselves against herbivory and pathogenic microbes Identifies the use of immunization as a popular and effective alternative to chemical pesticides Explores how these fungi help crop plants in better uptake of soil nutrients, increase soil fertility, produce growth promoting substances, and secrete metabolites that act as bio-pesticides

Lok Sabha Debates India. Parliament. Lok Sabha 2010-05-03

The Indian Journal of Genetics & Plant Breeding 1983

Breast Disease Adnan Aydiner 2019-07-01 This second updated volume on breast cancer provides a comprehensive overview of its clinical management and current therapies. Updated to reflect the changes in breast cancer staging, the progress in immunotherapy approaches, as well as the latest guidelines for therapies, this book brings readers up to speed with the latest therapeutic regimens in breast cancer and provides an in-depth account of current and new therapeutic approaches. The most important phase III trials, high quality meta-analysis, consensus reports and guidelines are extensively discussed in this new edition and provide the reader with the most up-to-date information. Divided in themed parts, the book examines invasive breast cancer, pre-operative systemic therapy surgical management and recurrence among others, thus providing an in-depth account of breast cancer at the clinical stage. Among the themed parts are a section dedicated to special therapeutic problems, such as breast cancer in older women, Paget's disease and phyllodes tumors and a section on supportive and follow-up care. By adopting a multidisciplinary approach to breast cancer, this book is a must-have for breast cancer practitioners. With a high number of colored illustrations and edited by highly experienced clinicians, this work enables readers to gain an interdisciplinary perspective on breast diseases. Contributions from an international team of experts present invaluable insight into clinical practice across different settings. Covering both theoretical and practical aspects of breast cancer, this is a highly informative and carefully presented book which will appeal to an international audience of medical, radiation and surgical oncologists.

The New Zealand Law Reports 1996 Vols. for 1933-1936 include "The Law journal supplement to the New Zealand law reports."

Handbook of Research on Social and Cultural Dynamics in Indian Cinema Biswal, Santosh Kumar 2020-06-26 Cinema in India is an entertainment medium that is interwoven into society and culture at large. It is clearly evident that continuous struggle and conflict at the personal as well as societal levels is depicted in cinema in India. It has become a reflection of society both in negative and positive ways. Hence, cinema has become an influential factor and one of the largest mass communication mediums in the nation. Social and Cultural Dynamics in Indian Cinema is an essential reference source that discusses cultural and societal issues including caste, gender, oppression, and social movements through cinema and particularly in specific language cinema and culture. Featuring research on topics such as Bollywood, film studies, and gender equality, this book is ideally designed for researchers, academicians, film studies students, and industry professionals seeking coverage on various aspects of regional cinema in India.

Nanobiotechnology in Diagnosis, Drug Delivery and Treatment Mahendra Rai 2020-11-10 Presents nanobiotechnology in drug delivery and disease management

Featuring contributions from noted experts in the field, this book highlights recent advances in the nano-based drug delivery systems. It also covers the diagnosis and role of various nanomaterials in the management of infectious diseases and non-infectious disorders, such as cancers and other malignancies and their role in future medicine. Nanobiotechnology in Diagnosis, Drug Delivery and Treatment starts by introducing how nanotechnology has revolutionized drug delivery, diagnosis, and treatments of diseases. It then focuses on the role of various nanocomposites in diagnosis, drug delivery, and treatment of diseases like cancer, Alzheimer's disease, diabetes, and many others. Next, it discusses the application of a variety of nanomaterials in the diagnosis and management of gastrointestinal tract disorders. The book explains the concept of nanotheranostics in detail and its role in effective monitoring of drug response, targeted drug delivery, enhanced drug accumulation in the target tissues, sustained as well as triggered release of drugs, and reduction in adverse effects. Other chapters cover aptamer-incorporated nanoparticle systems; magnetic nanoparticles; theranostics and vaccines; toxicological concerns of nanomaterials used in nanomedicine; and more. Provides a concise overview of state-of-the-art nanomaterials and their application like drug delivery in infectious diseases and non-infectious disorders Highlights recent advances in the nano-based drug delivery systems and role of various nanomaterials Introduces nano-based sensors which detect various pathogens Covers the use of nanodevices in diagnostics and theranostics Nanobiotechnology in Diagnosis, Drug Delivery and Treatment is an ideal book for researchers and scientists working in various disciplines such as microbiology, biotechnology, nanotechnology, pharmaceutical biotechnology, pharmacology, pharmaceuticals, and nanomedicine.

Proceedings of the International Workshop on Sorghum Diseases International Crops Research Institute for the Semi-Arid Tropics 1980 De opbrengst van Sorghum kan aanzienlijk verhoogd worden door een goede ziektebestrijding. Het congresverslag bevat een overzicht van Sorghumziekten in diverse landen van Centraal en Zuid-Amerika, Afrika en Azië. Ziekten, veroorzaakt door bacteriën, virussen en schimmels (meeldauw, Colletotrichum graminicola en C. falcatum, Sphacelotheca en Tolyposporium), bladziekten en resistentieveredeling worden behandeld. Met betrekking tot iedere ziekteveroorzaker worden aanbevelingen gedaan voor verder onderzoek.

Controlled Release Systems Alex van Herk 2016-01-05 In the area of controlled release of active substances, such as drugs, a strong interest in nanoparticles as carriers of active ingredients has arisen. Some of the active components are extremely hydrophobic, without cellular permeability and susceptible to metabolic degradation. Owing to this, their use is limited. This kind of agent can be transported without any problem through physiological media by using nanoparticles. The size of particles is an important parameter because it governs the efficiency of the delivery system. For this type of application, particles that have a diameter smaller than 1  $\mu$ m are especially useful. Polymeric nanoparticles that have diameters in the colloidal range are produced by means of polymerization processes in dispersed media. Drugs are taken up into the nanoparticles by adsorption, absorption, or "entrapment," or covalent bonding and they are delivered (release) by desorption, diffusion, polymer degradation, or a combination of these mechanisms. Nanoparticles (including nanogels) that release their contents by external triggering open up new possibilities for therapeutic strategies. External triggering by light, heat, change in pH, or application of ultrasound opens up the possibility to release the material on demand. If only a part of the wall of the nanoparticle (nanocapsule) is responsive, we are dealing with the so-called nanobottles, a nanocontainer with the active substance and a lid on the container that can be "opened" and "closed" by external triggering. This book focuses on responsive nanoparticles and brings together two interesting areas: nanoparticles and responsive polymers. The concept of the book is that of a systematic approach from nanoparticles synthesis via responsive polymers to nanobottles. The second part of the book presents contributions from experts in the field and provides a state-of-the-art overview of the field.

That Long Silence Shashi Deshpande 1989 Jay's Life Comes Apart At The Seams When Her Husband Is Asked To Leave His Job While Allegations Of Business Malpractice Against Him Are Investigated. Her Familiar Existence Disrupted, Her Husband's Reputation In Question And Their Future As A Family In Jeopardy, Jaya, A Failed Writer, Is Haunted By Memories Of The Past. Differences With Her Husband, Frustrations In Their Seventeen-Year-Old Marriage, Disappointment In Her Two Teenage Children, The Claustrophobia Of Her Childhood&Mdash;All Begin To Surface. In Her Small Suburban Bombay Flat, Jaya Grapples With These And Other Truths About Herself&Mdash;Among Them Her Failure At Writing And Her Fear Of Anger. Shashi Deshpande Gives Us An Exceptionally Accomplished Portrayal Of A Woman Trying To Erase A 'Long Silence' Begun In Childhood And Rooted In Herself And In The Constraints Of Her Life.

Nuclear Science Abstracts 1975

Anticancer Plants: Clinical Trials and Nanotechnology Mohd Sayeed Akhtar 2018-07-03 Cancer is one of the leading causes of death in human beings. Though several synthetic medicines are used to treat cancer, they are largely inefficient and unsafe. In contrast, plants, which have been used for medicinal purposes since time immemorial, have proved to be useful in fighting cancer, with natural compounds from plants and their derivatives offering safe and effective treatment and management for several types of cancer. Plants such as Catharanthus roseus, Podophyllum peltatum, Taxus brevifolia, Camptotheca acuminata, Andrographis

paniculata, *Crateva nurvala*, *Croton tonkinensis*, *Oplopanax horridus* etc., are important source of chemotherapeutic compounds. These plants have proven their value in the treatment of cancer and various other infectious diseases, and several common anticancer compounds such as taxol, podophyllotoxins, camptothecin, vinblastine, vincristine, homoharringtonine etc. have been isolated and purified from these medicinal plants. Unfortunately, many of these anticancer plants have become endangered due to ruthless and irresponsible harvesting practices. Hence, there is a need to conserve these species and to propagate them on a large scale using plant tissue culture. Alternatively, plant cell tissue and organ culture biotechnology could be adopted to produce these anticancer compounds without the need for cultivation. A better grasp and continuing exploration of these isolated molecules and products could provide a powerful alternative means of reducing cancer risk. "Anticancer Plants: Volume 3, Clinical Trials and Nanotechnology" provides a timely review of concepts and experimental data on the application of anticancer plants and their compounds in clinical trials, and on the use of nanotechnology in cancer therapy.

Molecular Diagnostics George P. Patrinos 2016-10-27 Molecular Diagnostics, Third Edition, focuses on the technologies and applications that professionals need to work in, develop, and manage a clinical diagnostic laboratory. Each chapter contains an expert introduction to each subject that is next to technical details and many applications for molecular genetic testing that can be found in comprehensive reference lists at the end of each chapter. Contents are divided into three parts, technologies, application of those technologies, and related issues. The first part is dedicated to the battery of the most widely used molecular pathology techniques. New chapters have been added, including the various new technologies involved in next-generation sequencing (mutation detection, gene expression, etc.), mass spectrometry, and protein-specific methodologies. All revised chapters have been completely updated, to include not only technology innovations, but also novel diagnostic applications. As with previous editions, each of the chapters in this section includes a brief description of the technique followed by examples from the area of expertise from the selected contributor. The second part of the book attempts to integrate previously analyzed technologies into the different aspects of molecular diagnostics, such as identification of genetically modified organisms, stem cells, pharmacogenomics, modern forensic science, molecular microbiology, and genetic diagnosis. Part three focuses on various everyday issues in a diagnostic laboratory, from genetic counseling and related ethical and psychological issues, to safety and quality management. Presents a comprehensive account of all new technologies and applications used in clinical diagnostic laboratories Explores a wide range of molecular-based tests that are available to assess DNA variation and changes in gene expression Offers clear translational presentations by the top molecular pathologists, clinical chemists, and molecular geneticists in the field

Advances in Energy Science and Equipment Engineering Shiquan Zhou 2015-11-05 Advances in Energy Equipment Science and Engineering contains selected papers from the 2015 International Conference on Energy Equipment Science and Engineering (ICEESE 2015, Guangzhou, China, 30-31 May 2015). The topics covered include:- Advanced design technology- Energy and chemical engineering- Energy and environmental engineering- Energy scien

Unleashing the Art of Digital Forensics Keshav Kaushik 2022-08-11 Unleashing the Art of Digital Forensics is intended to describe and explain the steps taken during a forensic examination, with the intent of making the reader aware of the constraints and considerations that apply during a forensic examination in law enforcement and in the private sector. Key Features: • Discusses the recent advancements in Digital Forensics and Cybersecurity • Reviews detailed applications of Digital Forensics for real-life problems • Addresses the challenges related to implementation of Digital Forensics and Anti-Forensic approaches • Includes case studies that will be helpful for researchers • Offers both quantitative and qualitative research articles, conceptual papers, review papers, etc. • Identifies the future scope of research in the field of Digital Forensics and Cybersecurity. This book is aimed primarily at and will be beneficial to graduates, postgraduates, and researchers in Digital Forensics and Cybersecurity.

Information Control Problems in Manufacturing 2006 Alexandre Dolgui 2006 Information Control Problems in Manufacturing 2006 contains the Proceedings of the 12th IFAC Symposium on Information Control Problems in Manufacturing (INCOM'2006). This symposium took place in Saint Etienne, France, on May 17-19 2006. INCOM is a tri-annual event of symposia series organized by IFAC and it is promoted by the IFAC Technical Committee on Manufacturing Plant Control. The purpose of the symposium INCOM'2006 was to offer a forum to present the state-of-the-art in international research and development work, with special emphasis on the applications of optimisation methods, automation and IT technologies in the control of manufacturing plants and the entire supply chain within the enterprise. The symposium stressed the scientific challenges and issues, covering the whole product and processes life cycle, from the design through the manufacturing and maintenance, to the distribution and service. INCOM'2006 Technical Program also included a special event on Innovative Engineering Techniques in Healthcare Delivery. The application of engineering and IT methods in medicine is a rapidly growing field with many opportunities for innovation. The Proceedings are composed of 3 volumes: Volume 1 - Information Systems, Control & Interoperability Volume 2 - Industrial Engineering Volume 3 - Operational Research \* 3-volume set,

containing 362 carefully reviewed and selected papers \* presenting the state-of-the-art in international research and development in Information Control problems in Manufacturing

Prostate Cancer Metabolism Tomas Koltai 2021-06-25 Prostate Cancer Metabolism: From Biochemistry to Therapeutics shows the peculiarities of prostate cancer metabolism, emphasizing the targetable aspects – that have not been considered in conventional treatment protocols. The book specifically addresses treatment of the castration-resistant stage of prostate cancer proposing many repurposed drugs and nutraceuticals to complement, not replace, standard therapies. The large body of evidence supporting these concepts makes them deserving of further research and well-designed clinical trials. It discusses lipid, cholesterol, glutamine, and glucose metabolisms and their impact on prostate cancer. Additionally, it explains how current established drugs can be repurposed to improve treatment outcomes. The concepts set out in the book, that deal with cancer at the cellular/molecular level, help identify new avenues of research and treatments to pursue that do not affect well-being whilst offer consistent benefits. Since most practicing physicians have not studied basic biochemistry since medical school, each chapter begins with a brief review of the topic to facilitate an understanding of the metabolically-oriented approach to targeting prostate cancer. Conventional treatments are not discussed here since they are covered in textbooks and specialized updates that abound in the medical literature. It is a valuable resource for cancer researchers, oncologists, clinicians and members of biomedical field who want to learn more about prostate cancer metabolism and how to apply recent findings in the field to bedside. Explains the basic aspects of prostate cancer metabolism, including its biochemistry which has a pivotal role in clinical practice Discusses new drugs and nutraceuticals with a metabolism-centered approach Offers practical bedside approach in combination with molecular and biochemical fundamentals to help readers identify and provide the best treatment to their patients

Woman in the Novels of Shashi Deshpande Sathupati Prasanna Sree 2003 Shashi Deshpande, b. 1938, Indian English novelist.

Plant Breeding Abstracts 1986

Advanced Biosensors for Virus Detection Raju Khan 2022-03-10 Advanced Biosensors for Virus Detection: Smart Diagnostics to Combat Against the SARS-CoV2 Pandemic covers the development of biosensor-based approaches for the diagnosis and prognosis of viral infections, specifically coronaviruses. The book discusses wide-ranging topics of available biosensor-based technologies and their application for early viral detection. Sections cover the emergence of SARS-CoV, MERS-CoV and SARS-CoV2, the global health response, the impact on affected populations, state-of-the art biomarkers, and risk factors. Specific focus is given to COVID-19, with coverage of genomic profiling, strain variation and the pathogenesis of SARS-CoV2. In addition, current therapeutics, nano-abled advancements and challenges in the detection of SARS-CoV2 and COVID-19 management are discussed, along with the role of nanomaterials in the development of biosensors and how biosensors can be scaled up for clinical applications and commercialization. Deals with biosensors-based approaches that could be exploited to design and develop high throughput, rapid and cost-effective diagnostics technologies for the early detection of viral infections Illustrates the development of multiplexed, miniaturized analytical systems for point-of-care applications Provides information about fabrication protocols for various biosensor based diagnostic approaches that could be directly implemented to develop a novel biosensor Includes the past, present and future status of biosensors, along with information about biosensors currently under clinical trials

Archives of Pathology & Laboratory Medicine 2005