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Algae Biotechnology Faizal Bux 2016-03-09 This book examines the utilization of algae for the development of useful products and processes with the emphasis towards green technologies and processes, and the requirements to make

these viable. Serving as a complete reference guide to the production of biofuels and other value added products from micro and macro algae, it covers various aspects of algal biotechnology from the basics to large scale cultivation, harvesting and processing for a

variety of products. It is authored and edited by respected world experts in the field of algal biotechnology and provides the most up to date and cutting edge information on developments in the field. Over the past decade there has been substantial focus and related literature on the application of algal biomass for the generation of novel processes and products. 'Algae Biotechnology: Products and Processes' encompasses a holistic approach to critically evaluating developments in the field of algal biotechnology whilst taking into account recent advances and building on the body of knowledge. Aspects of the effects of harmful algae are also discussed, as well as the potential commercial application of algal biotechnology, the techno-economic feasibility of algal biodiesel production and the use of genetic and metabolic engineering for the improvement of yield. Other bioenergy sources such as alcohol fuels, aviation fuels, biohydrogen and biogas are also covered. This book is intended for postgraduates and

researchers working in the biofuels and algal industry; it constitutes ideal reference material for both early stage and established researchers.

How to Become a Technical Writer Susan Bilheimer 2001-09-01 If you can write clear, concise instructions, then you can be a technical writer. Learn, step-by-step, how to turn your creative writing talent into a highly lucrative career, where you get paid big money consistently to use your writing skills.

Computers As Cognitive Tools Susanne P. Lajoie 2013-05-13 Highlighting and illustrating several important and interesting theoretical trends that have emerged in the continuing development of instructional technology, this book's organizational framework is based on the notion of two opposing camps. One evolves out of the intelligent tutoring movement, which employs artificial-intelligence technologies in the service of student modeling and precision diagnosis, and the other emerges from a constructivist/developmental perspective that

promotes exploration and social interaction, but tends to reject the methods and goals of the student modelers. While the notion of opposing camps tends to create an artificial rift between groups of researchers, it represents a conceptual distinction that is inherently more interesting and informative than the relatively meaningless divide often drawn between "intelligent" and "unintelligent" instructional systems. An evident trend is that researchers in both "camps" view their computer learning environments as "cognitive tools" that can enhance learning, performance, and understanding. Cognitive tools are objects provided by the instructional environment that allow students to incorporate new auxiliary methods or symbols into their social problem solving which otherwise would be unavailable. A final section of the book represents researchers who are assimilating and accommodating the wisdom and creativity of their neighbors from both camps, perhaps forming the look of technology for the future.

When the idea of model tracing in a computer-based environment is combined with appreciation for creative mind-extension cognitive tools and for how a community of learners can facilitate learning, a camp is created where AI technologists and social constructivist learning theorists can feel equally at home.

Contemporary Sociological Theory Jonathan H. Turner 2012-09-20 Written by award-winning scholar Jonathan H Turner, this is a comprehensive, in-depth and detailed review of present-day theory in sociology.

The Sensory Evaluation of Dairy Products Stephanie Clark 2009-07-30 The Sensory Evaluation of Dairy Products, Second Edition is for all who seek a book entirely devoted to sensory evaluation of dairy products and modern applications of the science. It is an excellent scientific reference for training in dairy product evaluation and is a practical guide to the preparation of samples for sensory evaluation. The book contains updates of the original text of

the well-received first edition, as well as brand new material. This unique book is designed for professionals involved in many aspects of dairy production, including academic teaching and research, processing, quality assurance, product development and marketing. It is an invaluable tool for those who compete in the annual Collegiate Dairy Product Evaluation Contest.

Phytochemicals from Medicinal Plants Hafiz Ansar Rasul Suleria 2019-11-15 *Phytochemicals from Medicinal Plants: Scope, Applications and Potential Health Claims* explores the importance of medicinal plants and their potential benefits for human health. This book looks at bioactive compounds from medicinal plants, the health benefits of bioactive compounds, the applications of plant-based products in the food and pharmaceutical industries. The first section discusses available sources of bioactive compounds from medicinal plants, biochemistry, structural composition, potential biological activities, and how bioactive molecules are

isolated from medicinal plants. The authors examine the applications of bioactive molecules from a health perspective, looking at the pharmacological aspects of medicinal plants, the phytochemical and biological activities of different natural products, and ethnobotany/and medicinal properties, and also present a novel dietary approach for disease management. The book goes on to examine the plant-based products are used and can be used in various sectors of the food and pharmaceutical industries.

Accelerating Knowledge Sharing, Creativity, and Innovation Through Business Tourism

Bari, Muhammad Waseem 2020-04-10 *Business tourism is a newly coined terminology in social sciences and management literature. It is defined as individuals traveling and staying outside of their hometowns for not more than one successive year for the purpose of enjoyment and other drives (e.g., learning and business activities). Key business tourism activities include*

attending a variety of meetings, conferences, and workshops as well as exhibitions. Understanding the negative and positive aspects of business tourism is essential to promoting employee learning and knowledge transfer skills. *Accelerating Knowledge Sharing, Creativity, and Innovation Through Business Tourism* is an essential reference source that discusses how differences in cultures, communities, rituals, norms, and scope of business tourism could influence knowledge sharing practices. Moreover, this book promotes an understanding on how to learn from different cultures and enhance absorptive capacity by interacting with different personalities and cultures. Featuring research on topics such as knowledge management, social capital, and consumer behavior, this book is ideally designed for business professionals, managers, administrators, hotel executives, IT specialists, executives, entrepreneurs, managing directors, and students looking to boost their existing skills and expertise with innovation and

creativity by interacting with others and in a new context.

Essentials of Pharmaceutical Analysis Muhammad Sajid Hamid Akash 2019-12-17 Recent advances in the pharmaceutical sciences and biotechnology have facilitated the production, design, formulation and use of various types of pharmaceuticals and biopharmaceuticals. This book provides detailed information on the background, basic principles, and components of techniques used for the analysis of pharmaceuticals and biopharmaceuticals. Focusing on those analytical techniques that are most frequently used for pharmaceuticals, it classifies them into three major sections and 19 chapters, each of which discusses a respective technique in detail. Chiefly intended for graduate students in the pharmaceutical sciences, the book will familiarize them with the components, working principles and practical applications of these indispensable analytical techniques. *A Guide to Teaching Practice* Louis Cohen

2006-09-07 The fifth edition of this classic textbook will ensure that it remains one of the most useful and widely read texts for students embarking upon teacher training.

Entrepreneurship Psychology, CSR, and Sustainability Muddassar Sarfraz 2021-05-20
Pakistan & Gulf Economist 1997-11

Hearing Loss National Research Council

2004-12-17 Millions of Americans experience some degree of hearing loss. The Social Security Administration (SSA) operates programs that provide cash disability benefits to people with permanent impairments like hearing loss, if they can show that their impairments meet stringent SSA criteria and their earnings are below an SSA threshold. The National Research Council convened an expert committee at the request of the SSA to study the issues related to disability determination for people with hearing loss. This volume is the product of that study. *Hearing Loss: Determining Eligibility for Social Security Benefits* reviews current knowledge about

hearing loss and its measurement and treatment, and provides an evaluation of the strengths and weaknesses of the current processes and criteria. It recommends changes to strengthen the disability determination process and ensure its reliability and fairness. The book addresses criteria for selection of pure tone and speech tests, guidelines for test administration, testing of hearing in noise, special issues related to testing children, and the difficulty of predicting work capacity from clinical hearing test results. It should be useful to audiologists, otolaryngologists, disability advocates, and others who are concerned with people who have hearing loss.

Educational Guide of Pakistan 2003

Basic Engineering Mathematics John Bird
2017-07-14 Now in its seventh edition, *Basic Engineering Mathematics* is an established textbook that has helped thousands of students to succeed in their exams. Mathematical theories are explained in a straightforward manner, being

supported by practical engineering examples and applications in order to ensure that readers can relate theory to practice. The extensive and thorough topic coverage makes this an ideal text for introductory level engineering courses. This title is supported by a companion website with resources for both students and lecturers, including lists of essential formulae, multiple choice tests, and full solutions for all 1,600 further questions.

Impact of Infodemic on Organizational Performance Bari, Muhammad Waseem

2021-06-25 COVID-19 is not the only global challenge that the world is facing these days. The infodemic, based on the pandemic (COVID-19), is another serious challenge for the world at this time. Each flare-up is joined with a large volume of data and information; however, this data can be based on deception, gossip, rumors, and more. Misinformation not only impacts the human body negatively but also impacts mental health. The infodemic has an impact on human

health and professional performance, but also leaks into business organizations in terms of financial matters, employees' psychological and physical health, employee performance, and the organization's performance. The misinformation regarding health issues can disturb business organizations and affect the employees, organizations' market share and financial matters, future firing and hiring policies of the organizations, and international operations of the companies. Though the COVID-19 pandemic may be over in time, the impact of the relevant infodemic will continue to disrupt business organizations for several years into the future. Impact of Infodemic on Organizational Performance highlights the impact of the infodemic due to the pandemic (COVID-19) in organizations' performance and enhances the understanding of how the infodemic can and has negatively impacted employees as well as organizational performance. This is supplemented by a view of how organizations are

tackling the infodemic and how business organizations can recover from the lasting negative impacts. This book highlights essential topics such as social media, knowledge management, business environments, business strategies, employee behavior, and mental health. The target audience includes but is not limited to managers, executives, human resource development, counselors, analysts, business organizations, practitioners, researchers, academicians, and students who are interested in the impacts of the infodemic on businesses and their employees and the relevant strategies to combat the effects.

Estimating and Interpreting Forward Interest Rates Mr. Lars E. O. Svensson 1994-09-01 The use of forward interest rates as a monetary policy indicator is demonstrated, using Sweden 1992-1994 as an example. The forward rates are interpreted as indicating market expectations of the time-path of future interest rates, future inflation rates, and future currency depreciation

rates. They separate market expectations for the short-, medium-, and long-term more easily than the standard yield curve. Forward rates are estimated with an extended and more flexible version of Nelson and Siegel's functional form. Essentials of Psychological Testing Susana Urbina 2014-08-04 An easy-to-understand overview of the key concepts of psychological testing Fully updated and revised, the second edition of *Essentials of Psychological Testing* surveys the basic principles of psychometrics, succinctly presents the information needed to understand and evaluate tests, and introduces readers to the major contemporary reference works in the field. This engaging, practical overview of the most relevant psychometric concepts and techniques provides the foundation necessary for advanced study in the field of psychological assessment. Each clear, well-organized chapter includes new examples and references, featuring callout boxes highlighting key concepts, bulleted points, and extensive illustrative material, as well as "Test

Yourself” questions that help gauge and reinforce readers’ grasp of the information covered. The author’s extensive experience and deep understanding of the concepts presented are evident throughout the book, particularly when readers are reminded that tests are tools and that, like all tools, they have limitations. Starting with a basic introduction to psychological tests, their historical development, and their uses, the book also covers the statistical procedures most frequently used in testing, the frames of reference for score interpretation, reliability, validity and test item considerations, as well as the latest guidelines for test selection, administration, scoring and reporting test results. Whether as an orientation for those new to the field, a refresher for those already acquainted with it, or as reference for seasoned clinicians, this book is an invaluable resource. SUSANA URBINA, PHD, is Professor Emeritus of Psychology at the University of North Florida, where she taught courses in psychological testing and

assessment. A Diplomate of the American Board of Assessment Psychology and a licensed psychologist, Dr. Urbina practiced in the field of psychological assessment for over a decade. She coauthored the seventh edition of Psychological Testing with Anne Anastasi and has published numerous articles and reviews in the area of psychological testing.

Notes on Diffy Qs Jiri Lebl 2019-11-13 Version 6.0. An introductory course on differential equations aimed at engineers. The book covers first order ODEs, higher order linear ODEs, systems of ODEs, Fourier series and PDEs, eigenvalue problems, the Laplace transform, and power series methods. It has a detailed appendix on linear algebra. The book was developed and used to teach Math 286/285 at the University of Illinois at Urbana-Champaign, and in the decade since, it has been used in many classrooms, ranging from small community colleges to large public research universities. See <https://www.jirka.org/diffyqs/> for more information,

updates, errata, and a list of classroom adoptions.

Processing Technology for Bio-Based Polymers

Khalid Mahmood Zia 2021-06-25 *Processing Technology for Bio-Based Polymers: Advanced Strategies and Practical Aspects* brings together the latest advances and novel technologies surrounding the synthesis and manufacture of biopolymers, ranging from bio-based polymers to synthetic polymers from bio-derived monomers. Sections examine bio-based polymer chemistry, discuss polymerization process and emerging design technologies, cover manufacturing and processing approaches, explain cutting-edge approaches and innovative applications, and focus on biomedical and other key application areas. Final chapters provide detailed discussion and an analysis of economic and environmental concerns, practical considerations, challenges, opportunities and future trends. This is a valuable resource for researchers, scientists and advanced students in polymer science, bio-based materials,

nanomaterials, plastics engineering, biomaterials, chemistry, biotechnology, and materials science and engineering, as well as R&D professionals, engineers and industrialists interested in the development of biopolymers for advanced products and applications. Focuses on the processing of bio-based polymers, covering both traditional methods and innovative new approaches Offers novel opportunities and ideas for developing or improving technologies for biopolymer research, preparation and application Examines other key considerations, including reliability and end product, economic concerns, and environmental and lifecycle aspects

Insecticides Design Using Advanced

Technologies Isaac Ishaaya 2007-02-15 Among the highlights of this book are the use of nanotechnology to increase potency of available insecticides, the use of genetic engineering techniques for controlling insect pests, the development of novel insecticides that bind to unique biochemical receptors, the exploration of

natural products as a source for environmentally acceptable insecticides, and the use of insect genomics and cell lines for determining biological and biochemical modes of action of new insecticides.

Logic and Computer Design Fundamentals

M. Morris Mano 2004 Featuring a strong emphasis on the fundamentals underlying contemporary logic design using hardware description languages, synthesis and verification, this text focuses on the ever-evolving applications of basic computer design concepts.

Self-Regulated Learning and Academic

Achievement Barry J. Zimmerman 2013-05-13

This volume brings together internationally known researchers representing different theoretical perspectives on students' self-regulation of learning. Diverse theories on how students become self-regulated learners are compared in terms of their conceptual origins, scientific form, research productivity, and pedagogical effectiveness. This is the only

comprehensive comparison of diverse classical theories of self-regulated learning in print. The first edition of this text, published in 1989, presented descriptions of such differing perspectives as operant, phenomenological, social learning, volitional, Vygotskian, and constructivist theories. In this new edition, the same prominent editors and authors reassess these classic models in light of a decade of very productive research. In addition, an information processing perspective is included, reflecting its growing prominence. Self-regulation models have proven especially appealing to teachers, coaches, and tutors looking for specific recommendations regarding how students activate, alter, and sustain their learning practices. Techniques for enhancing these processes have been studied with considerable success in tutoring sessions, computer learning programs, coaching sessions, and self-directed practice sessions. The results of these applications are discussed in this new edition.

The introductory chapter presents a historical overview of research and a theoretical framework for comparing and contrasting the theories described in the following chapters, all of which follow a common organizational format. This parallel format enables the book to function like an authored textbook rather than a typical edited volume. The final chapter offers an historical assessment of changes in theory and trends for future research. This volume is especially relevant for students and professionals in educational psychology, school psychology, guidance and counseling, developmental psychology, child and family development, as well as for students in general teacher education.

Endocrine Disrupting Chemicals-induced Metabolic Disorders and Treatment Strategies
Muhammad Sajid Hamid Akash 2020-08-04

This volume offers a detailed and comprehensive analysis of Endocrine Disrupting Chemicals (EDCs), covering their occurrence, exposure to humans and the mechanisms that lead to the

pathogenesis of EDCs-induced metabolic disorders. The book is divided into three parts. Part I describes the physiology of the human endocrine system, with special emphasis on various types of metabolic disorders along with risk factors that are responsible for the development of these disorders. Part II addresses all aspects of EDCs, including their role in the induction of various risk factors that are responsible for the development of metabolic disorders. Part III covers up-to-date environmental regulatory considerations and treatment strategies that have been adopted to cure and prevent EDCs-induced metabolic disorders. This section will primarily appeal to clinicians investigating the causes and treatment of metabolic disorders. The text will also be of interest to students and researchers in the fields of Environmental Pharmacology and Toxicology, Environmental Pollution, Pharmaceutical Biochemistry, Biotechnology, and Drug Metabolism/Pharmacokinetics.

Algae Based Polymers, Blends, and Composites

Khalid Mahmood Zia 2017-06-19 Algae Based Polymers, Blends, and Composites: Chemistry, Biotechnology and Material Sciences offers considerable detail on the origin of algae, extraction of useful metabolites and major compounds from algal bio-mass, and the production and future prospects of sustainable polymers derived from algae, blends of algae, and algae based composites. Characterization methods and processing techniques for algae-based polymers and composites are discussed in detail, enabling researchers to apply the latest techniques to their own work. The conversion of bio-mass into high value chemicals, energy, and materials has ample financial and ecological importance, particularly in the era of declining petroleum reserves and global warming. Algae are an important source of biomass since they flourish rapidly and can be cultivated almost everywhere. At present the majority of naturally produced algal biomass is an unused resource

and normally is left to decompose. Similarly, the use of this enormous underexploited biomass is mainly limited to food consumption and as bio-fertilizer. However, there is an opportunity here for materials scientists to explore its potential as a feedstock for the production of sustainable materials. Provides detailed information on the extraction of useful compounds from algal biomass Highlights the development of a range of polymers, blends, and composites Includes coverage of characterization and processing techniques, enabling research scientists and engineers to apply the information to their own research and development Discusses potential applications and future prospects of algae-based biopolymers, giving the latest insight into the future of these sustainable materials [Applications of Ion Chromatography for Pharmaceutical and Biological Products](#) Lokesh Bhattacharyya 2012-02-10 This is a comprehensive source of information on the application of ion chromatography (IC) in the

analysis of pharmaceutical drugs and biologicals. This book, with contributors from academia, pharma, the biotech industry, and instrument manufacturing, presents the different perspectives, experience, and expertise of the thought leaders of IC in a comprehensive manner. It explores potential IC applications in different aspects of product development and quality control testing. In addition, an appendix section gives information on critical physical and chromatographic parameters related to IC and information on current manufacturers of IC systems, columns, and other components.

Psychological Testing in the Service of Disability Determination Institute of Medicine 2015-06-29

The United States Social Security Administration (SSA) administers two disability programs: Social Security Disability Insurance (SSDI), for disabled individuals, and their dependent family members, who have worked and contributed to the Social Security trust funds, and Supplemental Security Income (SSI), which is a means-tested program

based on income and financial assets for adults aged 65 years or older and disabled adults and children. Both programs require that claimants have a disability and meet specific medical criteria in order to qualify for benefits. SSA establishes the presence of a medically-determined impairment in individuals with mental disorders other than intellectual disability through the use of standard diagnostic criteria, which include symptoms and signs. These impairments are established largely on reports of signs and symptoms of impairment and functional limitation. Psychological Testing in the Service of Disability Determination considers the use of psychological tests in evaluating disability claims submitted to the SSA. This report critically reviews selected psychological tests, including symptom validity tests, that could contribute to SSA disability determinations. The report discusses the possible uses of such tests and their contribution to disability determinations. Psychological Testing in the Service of Disability

Determination discusses testing norms, qualifications for administration of tests, administration of tests, and reporting results. The recommendations of this report will help SSA improve the consistency and accuracy of disability determination in certain cases.

Principles of Concurrent and Distributed Programming M. Ben-Ari 2015-11-09 Principles of Concurrent and Distributed Programming provides an introduction to concurrent programming focusing on general principles and not on specific systems. Software today is inherently concurrent or distributed – from event-based GUI designs to operating and real-time systems to Internet applications. The new edition of this classic introduction to concurrency has been completely revised in view of the growing importance of concurrency constructs embedded in programming languages and of formal methods such as model checking that are widely used in industry.

Introduction to Kinesiology Shirl J. Hoffman

2005 Introduction to Kinesiology, Second Edition, provides a comprehensive, reader-friendly overview of kinesiology, laying a solid foundation for future learning and for working as a professional in any field relating to physical activity. This new edition is significantly updated and revamped, featuring these additions: - Expanded information and advice on careers relating to the field of kinesiology, including short- and long-term employment opportunities, allowing students to benefit from an inclusive and accurate job outlook early in their college careers -New schematics and visual effects to help students better understand the content, including more relevant photos to illustrate text points and new artwork to help clarify important conceptual connections -New profiles featuring significant scholars in the field -New and improved sidebars, interactive items, and key points to engage students more deeply and to acquaint them with relevant issues and problems Introduction to Kinesiology, Second Edition,

contains updated research, statistics, and discussion focusing on practical applications in the field and offering advice about each profession in kinesiology. These features will help students identify and work toward attaining their career goals. The text uses a visually appealing pedagogical approach, including key points and interactive items as well as opening scenarios of real-world dilemmas encountered by professionals in the field, objectives, summaries, key terms, and a glossary. The new edition reinforces readers' learning through both text and graphic features. Part I, Experiencing Physical Activity, provides an extensively rewritten introduction to the field of kinesiology and goes into greater detail on exercise and skilled movement. It also delves into physical activity participation patterns, updated information on the relevance of physical activity to daily living, and how various professionals in the field incorporate physical activity into their educational, developmental, and treatment

programs. Part II, Scholarly Study of Physical Activity, with chapters on subdisciplines, has been reorganized and simplified, making those topics easier to comprehend. It includes greater coverage of physical education as a career pursuit and features chapters from several new collaborators, adding to the richness of the text's perspective and insight. Part III, Practicing a Profession in Physical Activity, includes a new chapter on careers in coaching and sport instruction and an updated chapter on therapeutic exercise, with information on careers in physical and occupational therapy. This new edition improves on the already-solid foundation of learning laid in the first edition. Its superior content and reasonable price make this text an ideal choice for undergraduate kinesiology courses.

Layered 2D Materials and Their Allied Applications Inamuddin 2020-04-27 Ever since the discovery of graphene, two-dimensional layered materials (2DLMs) have been the central

tool of the materials research community. The reason behind their importance is their superlative and unique electronic, optical, physical, chemical and mechanical properties in layered form rather than in bulk form. The 2DLMs have been applied to electronics, catalysis, energy, environment, and biomedical applications. The following topics are discussed in the book's fifteen chapters:

- The research status of the 2D metal-organic frameworks and the different techniques used to synthesize them.
- 2D black phosphorus (BP) and its practical application in various fields.
- Reviews the synthesis methods of MXenes and provides a detailed discussion of their structural characterization and physical, electrochemical and optical properties, as well as applications in catalysis, energy storage, environmental management, biomedicine, and gas sensing.
- The carbon-based materials and their potential applications via the photocatalytic process using visible light irradiation.
- 2D materials like

graphene, TMDCs, few-layer phosphorene, MXene in layered form and their heterostructures.

- The structure and applications of 2D perovskites.
- The physical parameters of pristine layered materials, ZnO, transition metal dichalcogenides, and heterostructures of layered materials are discussed.
- The coupling of graphitic carbon nitride with various metal sulfides and oxides to form efficient heterojunction for water purification.
- The structural features, synthetic methods, properties, and different applications and properties of 2D zeolites.
- The methods for synthesizing 2D hollow nanostructures are featured and their structural aspects and potential in medical and non-medical applications.
- The characteristics and structural aspects of 2D layered double hydroxides (LDHs) and the various synthesis methods and role of LDH in non-medical applications as adsorbent, sensor, catalyst, etc.
- The synthesis of graphene-based 2D layered materials

synthesized by using top-down and bottom-up approaches where the main emphasis is on the hot-filament thermal chemical vapor deposition (HFTCVD) method. • The different properties of 2D h-BN and borophene and the various methods being used for the synthesis of 2D h-BN, along with their growth mechanism and transfer techniques. • The physical properties and current progress of various transition metal dichalcogenides (TMDC) based on photoactive materials for photoelectrochemical (PEC) hydrogen evolution reaction. • The state-of-the-art of 2D layered materials and associated devices, such as electronic, biosensing, optoelectronic, and energy storage applications.

Resistance and Persuasion Eric S. Knowles
2004-02-26 Resistance and Persuasion is the first book to analyze the nature of resistance and demonstrate how it can be reduced, overcome, or used to promote persuasion. By examining resistance, and providing strategies for overcoming it, this new book generates insight

into new facets of influence and persuasion. With contributions from the leaders in the field, this book presents original ideas and research that demonstrate how understanding resistance can improve persuasion, compliance, and social influence. Many of the authors present their research for the first time. Four faces of resistance are identified: reactance, distrust, scrutiny, and inertia. The concluding chapter summarizes the book's theoretical contributions and establishes a resistance-based research agenda for persuasion and attitude change. This new book helps to establish resistance as a legitimate sub-field of persuasion that is equal in force to influence. Resistance and Persuasion offers many new revelations about persuasion: *Acknowledging resistance helps to reduce it. *Raising reactance makes a strong message more persuasive. *Putting arguments into a narrative increases their influence. *Identifying illegitimate sources of information strengthens the influence of legitimate sources. *Looking

ahead reduces resistance to persuasive attempts. This volume will appeal to researchers and students from a variety of disciplines including social, cognitive, and health psychology, communication, marketing, political science, journalism, and education.

Practical Model-Based Testing Mark Utting

2010-07-27 Practical Model-Based Testing gives a practical introduction to model-based testing, showing how to write models for testing purposes and how to use model-based testing tools to generate test suites. It is aimed at testers and software developers who wish to use model-based testing, rather than at tool-developers or academics. The book focuses on the mainstream practice of functional black-box testing and covers different styles of models, especially transition-based models (UML state machines) and pre/post models (UML/OCL specifications and B notation). The steps of applying model-based testing are demonstrated on examples and case studies from a variety of software domains,

including embedded software and information systems. From this book you will learn: The basic principles and terminology of model-based testing How model-based testing differs from other testing processes How model-based testing fits into typical software lifecycles such as agile methods and the Unified Process The benefits and limitations of model-based testing, its cost effectiveness and how it can reduce time-to-market A step-by-step process for applying model-based testing How to write good models for model-based testing How to use a variety of test selection criteria to control the tests that are generated from your models How model-based testing can connect to existing automated test execution platforms such as Mercury Test Director, Java JUnit, and proprietary test execution environments Presents the basic principles and terminology of model-based testing Shows how model-based testing fits into the software lifecycle, its cost-effectiveness, and how it can reduce time to market Offers guidance

on how to use different kinds of modeling techniques, useful test generation strategies, how to apply model-based testing techniques to real applications using case studies

Coumarin and Its Derivatives Maria João Matos 2021 Coumarins are widely distributed in nature and can be found in a large number of naturally occurring and synthetic bioactive molecules. The unique and versatile oxygen-containing heterocyclic structure makes them a privileged scaffold in Medicinal Chemistry. Many coumarin derivatives have been extracted from natural sources, designed, synthesized, and evaluated on different pharmacological targets. In addition, coumarin-based ion receptors, fluorescent probes, and biological stains are growing quickly and have extensive applications to monitor timely enzyme activity, complex biological events, as well as accurate pharmacological and pharmacokinetic properties in living cells. The extraction, synthesis, and biological evaluation of coumarins have become

extremely attractive and rapidly developing topics. A large number of research and review papers have compiled information on this important family of compounds in 2020. Research articles, reviews, communications, and concept papers focused on the multidisciplinary profile of coumarins, highlighting natural sources, most recent synthetic pathways, along with the main biological applications and theoretical studies, were the main focus of this book. The huge and growing range of applications of coumarins described in this book is a demonstration of the potential of this family of compounds in Organic Chemistry, Medicinal Chemistry, and different sciences related to the study of natural products. This book includes 23 articles: 17 original papers and six review papers.

The Punjab Police in a Comparative Perspective Sayyid Aẓhar Ḥasan Nadīm 1989
Applications of Ion Exchange Materials in Biomedical Industries Inamuddin 2019-01-30
This book presents the applications of ion-

exchange materials in the biomedical industries. It includes topics related to the application of ion exchange chromatography in determination, extraction and separation of various compounds such as amino acids, morphine, antibiotics, nucleotides, penicillin and many more. This title is a highly valuable source of knowledge on ion-exchange materials and their applications suitable for postgraduate students and researchers but also to industrial R&D specialists in chemistry, chemical, and biochemical technology. Additionally, this book will provide an in-depth knowledge of ion-exchange column and operations suitable for engineers and industrialists.

Fundamentals of Business (black and White) Stephen J. Skripak 2016-07-29 (Black & White version) Fundamentals of Business was created for Virginia Tech's MGT 1104 Foundations of Business through a collaboration between the Pamplin College of Business and Virginia Tech Libraries. This book is freely available at:

<http://hdl.handle.net/10919/70961> It is licensed with a Creative Commons-NonCommercial ShareAlike 3.0 license.

The Therapeutic Properties of Medicinal Plants Megh R. Goyal 2019-12-18 This volume provides informative research on the scientific evidence of the health benefits that can be derived from medicinal plants and how their efficacies can be improved. It is divided into three sections that cover the phytochemistry of medicinal plants, disease management with medicinal plants, and novel research techniques in medicinal plants. The pharmacological benefits of several specific plants are discussed, addressing health issues such as metabolic and mental disorders, acute mountain sickness, polycystic ovarian syndrome, and specific diseases such as Huntington's. It also looks at the role of antioxidants in disease management. Additionally, the book covers recent problems of drug resistance and how medicinal plants can serve as antibiotic, anthelmintic, and antiparasitic drugs that will be

helpful for human and animals.

Rural Development Abstracts 2012

Technological Processes for Marine Foods, From

Water to Fork Megh R. Goyal 2019-06-07 The importance and value of foods from marine sources is ever-increasing, especially as the availability of arable land decreases due to climate change, increasing populations and urbanization, and other factors. This book looks at the importance of marine foods and their secondary metabolites for human health along with a number of novel processing techniques and applications for marine foods. It also provides some recent studies on microbiology and genomics of marine food products. The volume first looks at several pharmacological properties of marine-derived compounds and their applications. The volume goes on to present a number of scientific reports on new and effective processing technologies and applications for marine foods. These include various methods of freezing fish for later

consumption and fermentation processes for fish products. Other industrial applications and issues are explored as well, such as waste management and utilization of fish byproducts. The issue of maintaining probiotic and nutritional value from fish products during industrial processing is also addressed, and the role of microbiology and genomics of marine food products is explored as well.

At ICRISAT. International Crops Research Institute for the Semi-arid Tropics 1983
Advances in Bioinformatics Vijai Singh 2021-07-31 This book presents the latest developments in bioinformatics, highlighting the importance of bioinformatics in genomics, transcriptomics, metabolism and cheminformatics analysis, as well as in drug discovery and development. It covers tools, data mining and analysis, protein analysis, computational vaccine, and drug design. Covering cheminformatics, computational evolutionary biology and the role of next-

generation sequencing and neural network analysis, it also discusses the use of bioinformatics tools in the development of precision medicine. This book offers a valuable source of information for not only beginners in

bioinformatics, but also for students, researchers, scientists, clinicians, practitioners, policymakers, and stakeholders who are interested in harnessing the potential of bioinformatics in many areas.