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Merchant Vessels of the United States ... (including Yachts)

Incompleteness: Donald Trump, Populism and Citizenship

Biostimulants in Agriculture II: Towards a Sustainable Future

Plant Stress Mitigators

Cellular Mechanics and Biophysics

An Analytical and Experimental Investigation of the Dynamic Response of a Four Bar Mechanism Constructed from a Viscoelastic Composite Material

Histone Deacetylase Inhibitors in Combinatorial Anticancer Therapy

Phenotypic Switching

A Dictionary of Real Numbers

Microbiome Stimulants for Crops

Applied Plant Biotechnology for Improving Resistance to Biotic Stress

Abeloff's Clinical Oncology E-Book

Perinatal Derivatives and the Road to Clinical Translation, Volume I

Exploring the Potential of Particle Radiotherapy: Helium, Neutrons, Carbon, and Other Heavy Ions

Head and Neck Malignancy: Highlights of Clinical Presentation, Assessment and Treatment

Computer Vision - ACCV 2016

Oncology in the Precision Medicine Era

Atmospheric Air Pollution and Its Environmental and Health Effects

Phosphorus Chemistry Directed Towards Biology

Peripheral Nerve Regeneration

Novel Combination Therapies for the Treatment of Solid Cancers

Value-Added Biocomposites

Novel mechanisms involved in urinary bladder control: Advances in neural, humoral and local factors underlying function and disease, volume II

Molecular Mechanisms of Pathogen-Driven Infectious and Neoplastic Diseases

Natural Medicines

Engineering Signal Sensors Based on Reprogrammed CRISPR Technologies

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Bioactive Natural Products for Pharmaceutical Applications

Handbook of Engineering Practice of Materials and Corrosion

United States Civil Aircraft Register

Prognosis prediction and risk stratification in head and neck cancer

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Beneficial Microbes Alleviate Climatic Stresses in Plants

Metamorphic Geology

Biomaterials for Brain Therapy and Repair

Banana Production in Venezuela

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## SHARP KORBIN

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*Merchant Vessels of the United States ... (including Yachts)*

Penerbit USM

Plant Stress Mitigators: Types, Techniques and Functions presents a detailed contextual discussion of various stressors on plant health and yield, with accompanying insights into options for limiting impacts using chemical elicitors, bio-stimulants, breeding techniques and agronomical techniques such as seed priming, cold plasma treatment, and nanotechnology, amongst others. The book explores the various action mechanisms for enhancing plant growth and stress tolerance capacity, including nutrient solubilizing and mobilizing, biocontrol activity against plant pathogens, phytohormone production, soil conditioners, and many more unrevealed mechanisms. This book combines research, methods, opinion, perspectives and reviews, dissecting the stress alleviation action of different plant stress mitigators on crops grown under optimal and sub-optimal growing conditions (abiotic and biotic stresses). Explores the various action mechanisms of mitigators Highlights the relationship between mitigator and nutrient efficiency, product quality and microbial population Includes both biotic and abiotic stressors and their mitigation options

*Incompleteness: Donald Trump, Populism and Citizenship*  
Academic Press

This Special Issue presents studies on the genotoxicity of nanomaterials. Although nanomaterials provide multiple benefits in a wide range of applications, challenges remain in addressing strong concerns about their risks to the environment and human health. As a result of inconsistencies among published results and diverging conclusions, the understanding of nanomaterial exposure and toxicity remains unclear. Determining whether these materials cause DNA damage—the first step in carcinogenesis—must be a priority in testing. In this book, readers will find recent publications on the genotoxic response to a broad range of nanomaterials, the impact of physico-chemical

characteristics, safe-by-design and new developed tools.

Biostimulants in Agriculture II: Towards a Sustainable Future

Springer Nature

This book covers the recent innovations relating to various bioactive natural products (such as alkaloids, glycosides, flavonoids, anthraquinones, steroids, polysaccharides, tannins and polyphenolic compounds, volatile oils, fixed oils, fats and waxes, proteins and peptides, vitamins, marine products, camptothecin, piperines, carvacrol, gedunin, GABA, ginsenosides) and their applications in the pharmaceutical fields related to academic, research and industry.

**Plant Stress Mitigators** MDPI

This volume comprehensively reviews oncology in the precision medicine era of personalized care, latest developments in the field, and indications and clinical trials for the treatment of cancer with targeted therapies, immunotherapy, and epigenetic modulators. It thoroughly addresses concerns of various types of cancers including cancers of the head and neck, lung, colon, esophagus, bladder, pancreas, and breast; melanoma; multiple myeloma; hepatocellular carcinoma; renal cell carcinoma; and sarcomas. It is organized and written in a format that is easy to follow for both clinicians and non-clinical scientists interested in personalized medicine. Chapters cover the identification of the clinical problem and summary of recent findings, tumor biology and heterogeneity, genomics, examples of simple and complex cases, biological pathways, future clinical trials, and financial considerations. Oncology in the Precision Medicine Era: Value-Based Medicine will serve as a useful resource for medical oncologists and healthcare providers tailoring medicine to the needs of the individual patient, from prevention and diagnosis to treatment and follow up.

**Cellular Mechanics and Biophysics** CRC Press

This book presents an important contribution to the knowledge of the banana soils of Venezuela. Banana, the edible fruit of Musaceae, is a staple food for more than 400 million people worldwide due to their nutritional and energy attributes. This makes Musaceae a crop of worldwide relevance, particularly in tropical regions, highlighting the impact of improved Musaceae

cropping systems in the current efforts worldwide oriented towards a new agricultural revolution based on sustainable intensification. To achieve this, better practices for food production based on scientific and technical research capable to consider the complexity and variability within the agri-food sector are necessary. The research presented in this book is oriented towards providing answers to the causes of two aspects considered of high relevance for banana production, both affecting productivity and sustainability, always addressed for the Venezuelan conditions, one of the world's largest producing countries: 1- The impact of phytosanitary risks related to Fusarium Wilt (FW) and the influence of the soil on the incidence of Banana Wilt (BW); and 2- An observed trend towards loss of productivity and decline of soil quality in some commercial farms of Aragua and Trujillo states in Venezuela. The book presents a pioneering study in the application of categorical regression (CATREG) in the characterization of banana soils and analyses soil morphological variables, such as texture, dry consistency, biological activity, reaction to HCl, and type of structure to characterize soil productivity for growing healthy bananas. It develops, for the first time in Venezuela, risk analysis and climatic suitability maps for lethal wilt disease in bananas caused by Fusarium oxysporum f. sp. cubense (Foc) Tropical Race 4 (TR4) (syn. Fusarium odoratissimum). Innovative machine learning techniques are used to predict BW so that future crop development can be done more efficiently and sustainably.

**An Analytical and Experimental Investigation of the Dynamic Response of a Four Bar Mechanism Constructed from a Viscoelastic Composite Material** Academic Press

Phosphorus Chemistry Directed Towards Biology presents an understanding of reaction mechanisms of organophosphorus compounds. This book discusses the development of analytical tools for the study of the chemistry of phosphorus, which promoted research in nucleic acid chemistry. Organized into 22 chapters, this book begins with an overview of the importance of the bacterial cell wall in maintaining the integrity of the cell in various environments. This text then examines the chemical problems concerning hypermodification and deprotection steps.

Other chapters consider the reactive phosphorylating intermediates used in the oligonucleotide chemistry. This book discusses as well the possible role of phosphodiester triazolides and tetrazolides in the phosphotriester formation with arenesulfonyltriazolides and tetrazolides. The final chapter deals with the isolation of proteins involved in the synthesis and recognition of mRNA caps. This book is a valuable resource for phosphorus chemists, biologists, scientists, research workers, teachers, and students.

**Histone Deacetylase Inhibitors in Combinatorial Anticancer Therapy** Springer Nature

This book focuses on the mechanical properties of cells, discussing the basic concepts and processes in the fields of immunology, biology, and biochemistry. It introduces and explains state-of-the-art biophysical methods and examines the role of mechanical properties in the cell/protein interaction with the connective tissue microenvironment. The book presents a unique perspective on cellular mechanics and biophysics by combining the mechanical, biological, physical, biochemical, medical, and immunological views, highlighting the importance of the mechanical properties of cells and biophysical measurement methods. The book guides readers through the complex and growing field of cellular mechanics and biophysics, connecting and discussing research findings from different fields such as biology, cell biology, immunology, physics, and medicine. Featuring suggestions for further reading throughout and addressing a wide selection of biophysical topics, this book is an indispensable guide for graduate and advanced undergraduate students in the fields of cellular mechanics and biophysics.

**Phenotypic Switching** Springer Science & Business Media

Phenotypic Switching: Implications in Biology and Medicine provides a comprehensive examination of phenotypic switching across biological systems, including underlying mechanisms, evolutionary significance, and its role in biomedical science. Contributions from international leaders discuss conceptual and theoretical aspects of phenotypic plasticity, its influence over biological development, differentiation, biodiversity, and potential applications in cancer therapy, regenerative medicine and stem cell therapy, among other treatments. Chapters discuss fundamental mechanisms of phenotypic switching, including transition states, cell fate decisions, epigenetic factors,

stochasticity, protein-based inheritance, specific areas of human development and disease relevance, phenotypic plasticity in melanoma, prostate cancer, breast cancer, non-genetic heterogeneity in cancer, hepatitis C, and more. This book is essential for active researchers, basic and translational scientists, clinicians, postgraduates and students in genetics, human genomics, pathology, bioinformatics, developmental biology, evolutionary biology and adaptive opportunities in yeast. Thoroughly addresses the conceptual, experimental and translational aspects that underlie phenotypic plasticity Emphasizes quantitative approaches, nonlinear dynamics, mechanistic insights and key methodologies to advance phenotypic plasticity studies Features a diverse range of chapter contributions from international leaders in the field

**A Dictionary of Real Numbers** Springer Nature

**Value-Added Biocomposites: Technology, Innovation, and Opportunity** explores advances in research, processing, manufacturing, and novel applications of biocomposites. It describes the current market situation, commercial competition, and societal and economic impacts and advantages of substituting biocomposites for conventional composites, including natural fibers and bioplastics. FEATURES Discusses manufacturing and processing procedures that focus on improving physical, mechanical, thermal, electrical, chemical, and biological properties and achieving required specifications of downstream industries and customers Analyzes the wide range of available base materials and fillers of biocomposites and bioplastics in terms of the strength and weaknesses of materials and economic potential in the market Displays special and unique properties of biocomposites in different market sectors Showcases the insight of expert scientists and engineers with first-hand experience working with biocomposites across various industries Covers environmental factors, life cycle assessment, and waste recovery Combining technical, economic, and environmental topics, this work provides researchers, advanced students, and industry professionals a holistic overview of the value that biocomposites add across a variety of engineering applications and how to balance research and development with practical results.

**Microbiome Stimulants for Crops** Frontiers Media SA

Head and neck cancer is on the rise, affecting the adult and paediatric patients. Its treatment is challenging and is governed

by numerous factors, especially tumour biology, patient demographic and availability of efficient treatment regimes. The prognosis of head and neck cancer is dismal despite multimodality treatment. This is largely due to late presentation of the disease, as well as poor compliance to treatment and suboptimal treatment approaches. The prognosis and survival rate of head and neck cancer patients can be enhanced with a thorough understanding of the disease, effective communication between in charge clinician, collaborative effort of multiple expertise involving in the management of case, and a refined treatment plan and implementation. Of note, early screening and effective preventive measures will lessen the head and neck tumour burden worldwide. The identification of critical risk factors such as the oncogenic viruses (HPV, EBV), environmental and chemical carcinogen, and dietary factor allow identification of at-risk population, hence early intervention can be instituted. Many of head and neck cancer involves with critical function of human life such as swallowing, breathing, speech, olfaction, hearing and vision. Thus, surgical treatment of this tumour can result in significant sequelae that can impair patients' quality of life. Imperatively postoperative chemoradiation can further exacerbate the complications with resultant fibrosis, polyneuropathy, fatigue, and many more. Escalation of therapeutic approaches and multiteam management is crucial for the betterment of head and neck cancer patients' care.

**Applied Plant Biotechnology for Improving Resistance to Biotic Stress** Springer Nature

The five-volume set LNCS 10111-10115 constitutes the thoroughly refereed post-conference proceedings of the 13th Asian Conference on Computer Vision, ACCV 2016, held in Taipei, Taiwan, in November 2016. The total of 143 contributions presented in these volumes was carefully reviewed and selected from 479 submissions. The papers are organized in topical sections on Segmentation and Classification; Segmentation and Semantic Segmentation; Dictionary Learning, Retrieval, and Clustering; Deep Learning; People Tracking and Action Recognition; People and Actions; Faces; Computational Photography; Face and Gestures; Image Alignment; Computational Photography and Image Processing; Language and Video; 3D Computer Vision; Image Attributes, Language, and Recognition; Video Understanding; and 3D Vision.

Abeloff's Clinical Oncology E-Book Frontiers Media SA

Prevalence of brain related diseases is expected to increase significantly in the next decades. Therefore, there is a vital need to develop effective, personalized models of human brain that can provide information about brain development, and the unique neurobiology of brain disorders. The use of biomaterials can play a strategic role for the future understanding and treatment of complex CNS diseases. Three-dimensional brain cultures have shown promise in disease modelling, cell transplantation and modulation of tissue repair.

*Perinatal Derivatives and the Road to Clinical Translation, Volume I* Springer Nature

The only OCN® Exam review developed in collaboration with the Oncology Nursing Society (ONS), the Core Curriculum for Oncology Nursing, 6th Edition is the must-have OCN® certification review resources. This essential guide covers the entire scope of practice for oncology nursing and reflects important changes in the dynamic field of cancer treatment and care. The thoroughly revised sixth edition follows the latest test blueprint for the OCN® Exam and is presented in a streamlined outline format to help you focus on the most important information. Recognized as the definitive resource for concepts and practice in oncology nursing, this is the #1 review tool when preparing for OCN® certification! This definitive study resource for the OCN® Examination is the only such resource developed in collaboration with and endorsed by the Oncology Nursing Society. Coverage of the entire scope of oncology care includes quality of life, protective mechanisms, gastrointestinal and urinary function, cardiopulmonary function, oncologic emergencies, the scientific basis for practice, health promotion, and professional performance. Consistent outline format provides a quick-reference review that begins with theory and continues through the steps of the nursing process. Emphasis on QSEN competencies is designed to reduce errors, with a focus on safety and evidence-based practice including Safety Alerts for cancer chemotherapy drugs. Updates on cancer treatment and related nursing care include the most current and accurate information, preparing you for the OCN exam and for enhanced clinical practice. NEW! Content has been updated throughout to reflect the most recent Oncology Nursing Society (ONS) role delineation study, the latest OCN® Examination test blueprint, and important

findings in cancer treatment and related nursing care, backed by the latest research evidence. NEW! Chapters reflect the latest ONS information on nurse navigation, communication and shared decision-making, precision medicine, immunotherapy, cognitive and endocrine symptoms, and compassion fatigue. NEW! Enhanced use of color in tables, boxes, and outlines improves visual appeal and learning.

**Exploring the Potential of Particle Radiotherapy: Helium, Neutrons, Carbon, and Other Heavy Ions** Elsevier Health Sciences

This book constitutes the thoroughly refereed conference proceedings of the Fourth International Workshop on Risk Assessment and Risk-Driven Quality Assurance, RISK 2016, held in conjunction with ICTSS 2016, in Graz, Austria, in October 2016. The revised 9 full papers were carefully reviewed and selected from 11 submissions. They focus on research studying, developing and evaluating innovative techniques, tools, languages and methods risk assessment and risk-driven quality engineering. The papers are organized topical sections: security risk management; security risk analysis; risk-based testing.

Head and Neck Malignancy: Highlights of Clinical Presentation, Assessment and Treatment Frontiers Media SA

This is a study of how Donald J. Trump, his populist credentials notwithstanding, borrows without acknowledgment and stubbornly refuses to come to terms with his indebtedness. Taken together with mobility and conviviality, the principle of incompleteness enables us to distinguish between inclusionary and exclusionary forms of populism, and when it is fuelled by ambitions of superiority and zero-sum games of conquest.

**Computer Vision - ACCV 2016** Frontiers Media SA

This book reviews the latest developments in the design, synthesis, and molecular mechanism of action of Histone Deacetylase (HDAC) inhibitors in the context of potential cancer therapy. HDAC inhibitors are emerging as promising anticancer drug molecules that promote growth arrest, differentiation and apoptosis of cancer cells with tumor selective toxicity. The book begins with an overview of various epigenetic modifying enzymes that are involved in cancer transition and progression; before exploring the potential of HDACs in cancer treatment. It provides a classification of HDAC inhibitors based on their structural attributes, and addresses HDAC-induced cytotoxicity.. Lastly, it

discusses and assesses the rationale behind therapies that combine HDAC inhibitors with other anticancer agents to treat solid tumors. Given its scope, it offers a valuable resource for all researchers, clinicians, and students working in formulation, drug discovery, oncology, and personalized medicine.

*Oncology in the Precision Medicine Era* Springer

In Earth evolution, mountain belts are the loci of crustal growth, reworking and recycling. These crustal-scale processes are unravelled through microscale investigations of textures and mineral assemblages of metamorphic rocks. Multiple episodes of metamorphism, re-equilibration and deformation, however, generally produce a complex and tightly interwoven pattern of microstructures and assemblages. Over the last two decades, the combination of advanced computing and technological capabilities with new concepts has provided a vast array of novel petrological tools and high-resolution/high-sensitivity techniques for microanalysis and imaging. Such novel approaches are proving fundamental to untangling the enigma represented by metamorphism with an unprecedented level of detail and confidence. As a result, the first decade and a half of this century has already seen the tumultuous development of new research avenues in metamorphic petrology. This book aims to provide a timely overview of the state of the art of this field, of newly developed petrological techniques, future advancements and significant new case studies.

*Atmospheric Air Pollution and Its Environmental and Health Effects* Frontiers Media SA

Modern agriculture needs to review and broaden its practices and business models, by integrating opportunities coming from different adjacent sectors and value chains, including the bio-based industry, in a fully circular economy strategy. Searching for new tools and technologies to increase crop productivity under optimal and sub-optimal conditions and to improve resources use efficiency is crucial to ensure food security while preserving soil quality, microbial biodiversity, and providing business opportunities for farmers. Biostimulants based on microorganisms or organic substances obtained from renewable materials represent a sustainable, efficient technology or complement to synthetic counterparts, to improve nutrient use efficiency and secure crop yield stability. Under the new European Union Regulation 2019/1009, plant biostimulants were defined based on

four agricultural functional claims as follows: Plant biostimulants are products that stimulate plant nutrition processes independently of the product's nutrient content with the sole aim of improving one or more of the following characteristics of the plant and/or the plant rhizosphere: 1) nutrient use efficiency, 2) tolerance resistance to (a) biotic stress, 3) quality characteristics or 4) availability of confined nutrients in the soil or rhizosphere'. Many diverse natural substances and chemical derivatives of natural or synthetic compounds, as well as beneficial microorganisms, are cataloged as plant biostimulants including i) humic substances, ii) plant or animal-based protein hydrolysates, iii) macro and micro-algal extracts, iv) silicon, v) arbuscular mycorrhizal fungi (AMF) and vi) plant growth-promoting rhizobacteria (PGPR) belonging to the Azotobacter, Azospirillum and Rhizobium genera.

**Phosphorus Chemistry Directed Towards Biology** Elsevier  
How do we recognize that the number . 93371663 . . . is actually  $2 \log_2(e + 7r)/2$  ? Gauss observed that the number 1. 85407467 . . . is (essentially) a rational value of an elliptic integral-an observation that was critical in the development of nineteenth century analysis. How do we decide that such a number is actually a special value of a familiar function without the tools

Gauss had at his disposal, which were, presumably, phenomenal insight and a prodigious memory? Part of the answer, we hope, lies in this volume. This book is structured like a reverse telephone book, or more accurately, like a reverse handbook of special function values. It is a list of just over 100,000 eight-digit real numbers in the interval  $[0,1)$  that arise as the first eight digits of special values of familiar functions. It is designed for people, like ourselves, who encounter various numbers computationally and want to know if these numbers have some simple form. This is not a particularly well-defined endeavor-every eight-digit number is rational and this is not interesting. However, the chances of an eight digit number agreeing with a small rational, say with numerator and denominator less than twenty-five, is small. Thus the list is comprised primarily of special function evaluations at various algebraic and simple transcendental values. The exact numbers included are described below. Each entry consists of the first eight digits after the decimal point of the number in question.

Peripheral Nerve Regeneration Frontiers Media SA

Applied Plant Biotechnology for Improvement of Resistance to Biotic Stress applies biotechnology insights that seek to improve

plant genomes, thus helping them achieve higher resistance and optimal hormone signaling to increase crop yield. The book provides an analysis of the current state-of-the-art in plant biotechnology as applied to improving resistance to biotic stress. In recent years, significant progress has been made towards understanding the interplay between plants and their hosts, particularly the role of plant immunity in regulating, attenuating or neutralizing invading pathogens. As a result, there is a great need to integrate these insights with methods from biotechnology. Applies biotechnology insights towards improving plant genomes, achieving higher resistance and optimizing hormone signaling to increase crop yield Presents the most modern techniques, investigations, diagnostic tools and assays to monitor and detect contaminating agents in crops, such as grape, tomato, coffee and stone fruit Provides encyclopedic coverage of genes, proteins, interaction networks and mechanisms by which plants and hosts seek survival Discusses the methods available to make crops resistant and tolerant to disease without decreased yield or food production Provides insights for policymakers into the difficulties faced by scientific researchers in the use of biotechnology intervention, transgenes and genetically modified sequences

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