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GH3FP6 - GALVAN BENJAMIN

The #1 New York Times bestseller. Over 4 million copies sold! Tiny Changes, Remarkable Results No matter your goals, Atomic Habits offers a proven framework for improving--every day. James Clear, one of the world's leading experts on habit formation, reveals practical strategies that will teach you exactly how to form good habits, break bad ones, and master the tiny behaviors that lead to remarkable results. If you're having trouble changing your habits, the problem isn't you. The problem is your system. Bad habits repeat themselves again and again not because you don't want to change, but because you have the wrong system for change. You do not rise to the level of your goals. You fall to the level of your systems. Here, you'll get a proven system that can take you to new heights. Clear is known for his ability to distill complex topics into simple behaviors that can be easily applied to daily life and work. Here, he draws on the most proven ideas from biology, psychology, and neuroscience to create an easy-to-understand guide for making good habits inevitable and bad habits impossible. Along the way, readers will be inspired and entertained with true stories from Olympic gold medalists, award-winning artists, business leaders, life-saving physicians, and star comedians who have used the science of small habits to master their craft and vault to the top of their field. Learn how to: • make time for new habits (even when life gets crazy); • overcome a lack of motivation and willpower; • design your environment to make success easier; • get back on track when you fall off course; ...and much more. Atomic Habits will reshape the way you think about progress and success, and give you the tools and strategies you need to transform your habits--whether you are a team looking to win a championship, an organization hoping to redefine an industry, or simply an individual who wishes to quit smoking, lose weight, reduce stress, or achieve any other goal.

An exploration of why we play video games despite the fact that we are almost certain to feel unhappy when we fail at them. We may think of video games as being "fun," but in The Art of Failure, Jesper Juul claims that this is almost entirely mistaken. When we play video games, our facial expressions are rarely those of happiness or bliss. Instead, we frown, grimace, and shout in frustration as we lose, or die, or fail to advance to the next level. Humans may have a fundamental desire to succeed and feel competent, but game players choose to engage in an activity in which they are nearly certain to fail and feel incompetent. So why do we play video games even though they make us unhappy? Juul examines this paradox. In video games, as in tragic works of art, literature, theater, and cinema, it seems that we want to experience unpleasantness even if we also dislike it. Reader or audience reaction to tragedy is often explained as catharsis, as a purging of negative emotions. But, Juul points out, this doesn't seem to be the case for video game players. Games do not purge us of unpleasant emotions; they produce them in the first place. What, then, does failure in video game playing do? Juul argues that failure in a game is unique in that when you fail in a game, you (not a character) are in some way inadequate. Yet games also motivate us to play more, in order to escape that inadequacy, and the feeling of escaping failure (often by improving skills) is a central enjoyment of games. Games, writes Juul, are the art of failure: the singular art form that sets us up for failure and allows us to experience it and experiment with it. The Art of Failure is essential reading for anyone interested in video games, whether as entertainment, art, or education.

This easy-to-use pocket guide, compiled from the sixth edition of the "Publication Manual of the American Psychological Association," provides complete guidance on the rules of style that are critical for clear communication.

International Journal for Social Science Research and Practice (IJSSRP) is an interdisciplinary peer reviewed journal. The objective of the journal is to serve as a forum for the exhibition and dissemination of scholarly activities in forms of current researches and thoughts on contemporary issues. The scope of IJSSRP is wide and all inclusive as it ranges from issues in the United States to global events and happenings. It welcomes all types of researches ranging from field and experimental to rigorous theoretical explanations. It welcomes empirically based studies and discussions based on abstractions and theoretical understanding. IJSSRP will serve as the forum for the promotion of positive exchange between nomothetic and idiographic traditions in the social sciences. The journal is independent of any particular school of thought and does not lean towards any theoretical perspective or viewpoint. Authors are not limited by their nationality, religion, subject matter or theoretical orientation. The journal is however interested in studies that will promote global unity and understanding towards achieving a peaceful global village, global social harmony and economic growth. It therefore promotes studies that can yield practical solutions to contemporary global social problems. Department of Sociology & Criminal Justice Virginia State University, Petersburg, VA 23806 TEL: 804 524 5191

Co-authored by an international team of experts across disciplines, this important book is one of the first to demonstrate the enormous benefit creative methods offer for education research. You do not have to be an artist to be creative, and the book encourages students, researchers and practitioners to discover and consider new ways to explore the field of education. It illustrates how using creative methods, such as poetic inquiry, comics, theatre and animation, can support learning and illuminate participation and engagement. Bridging academia and practice, the book offers: • practical advice and tips on how to use creative methods in education research; • numerous case studies from around the world providing real-life examples of creative research methods in education practice; • reflective discussion questions to support learning.

Thorough and up-to-date, this book presents recent developments in this exciting research field. To begin with, the text covers the fabrication of chiral nanomaterials via various synthesis methods, including electron beam lithography, ion beam etching, chemical synthesis and biological DNA directed assembly. This is followed by the relevant theory and reaction mechanisms, with a discussion of the characterization of chiral nanomaterials according to the optical properties of metal nanoparticles, semiconductor nanocrystals, and nanoclusters. The whole is rounded off by a summary of applications in the field of catalysis, sensors, and biomedicine. With its comprehensive yet concise coverage of the whole spectrum of research, this is invaluable reading for senior researchers and entrants to the field of nanoscience and materials science.

An encyclopedia designed especially to meet the needs of elementary, junior high, and senior high school students.

The breadth of the pharmaceutical medicine can be daunting, but this book is designed to navigate a path through the speciality. Providing a broad overview of all topics relevant to the discipline of pharmaceutical medicine, it gives you the facts fast, in a user-friendly format, without having to dive through page upon page of dense text. With 136 chapters spread across 8 sections, the text offers a thorough grounding in issues ranging from medicines regulation to clinical trial design and data management. This makes it a useful revision aid for exams as well as giving you a taster of areas of pharmaceutical medicine adjacent to your current role. For healthcare professionals already working in the field, this book offers a guiding hand in difficult situations as well as supplying rapid access to the latest recommendations and guidelines. Written by authors with experience in the industry and drug regulation, this comprehensive and authoritative guide provides a shoulder to lean on throughout your pharmaceutical career.

Green plants and photosynthetic organisms are the Earth's natural photoconverters of solar energy. In future, biomass and bioenergy will become increasingly significant energy sources, making a contribution both to carbon dioxide abatement and to the security, diversity and sustainability of global energy supplies. In this book, experts provide a series of authoritative chapters on the intricate mechanisms of photosynthesis and the potential for using and improving photosynthetic organisms, plants and trees to sequester carbon dioxide and to provide fuel and useful chemicals for the benefit of man. Contents:Photosynthesis and Photoconversion (J Barber & M D Archer)Light Absorption and Harvesting (A Holzwarth)Electron Transfer in Photosynthesis (W Leibl & P Mathis)Photosynthetic Carbon Assimilation (G E Edwards & D A Walker)Regulation of Photosynthesis in Higher Plants (D Godde & J F Bornman)The Role of Aquatic Photosynthesis in Solar Energy Conversion: A Geoevolutionary Perspective (P G Falkowski, R Geider & J A Raven)Useful Products from Algal Photosynthesis (R Martinez & Z Dubinsky)Hydrogen Production by Photosynthetic Microorganisms (V A Boichenko, E Greenbaum & M Seibert)Photoconversion and Energy Crops (M J Bullard)The Production of Biofuels by Thermal Chemical Processing of Biomass (A V Bridgwater & K Maniatis)Photosynthesis and the Global Carbon Cycle (D Schimel)Management of Terrestrial Vegetation to Mitigate Climate Change (R Tipper & R Carr)Biotechnology: Its Impact and Future Prospects (D J Murphy) Readership: Biologists, biochemists, plant scientists, environmentalists and ecologists.

This book ‘Operations Research: Theory and Practice’ provides various concepts, theoretical and practical knowledge and develops the techno-managerial skills in the field of engineering. All the angles and approaches of operations applicable to both industrial and institutional needs are presented. It also provides an insight into the historical development of Operations Research. Examples and problems from usual situations that occur in industries are presented wherever necessary. Please note: Taylor & Francis does not sell or distribute the Hardback in India, Pakistan, Nepal, Bhutan, Bangladesh and Sri Lanka.

A comprehensive review of the fundamental molecular mechanisms in fermentation and explores the microbiology of fermentation technology and industrial applications Microbial Sensing in Fermentation presents the fundamental molecular mechanisms involved in the process of fermentation and explores the applied art of microbiology and fermentation technology. The text contains descriptions regarding the extraordinary sensing ability of microorganisms towards small physicochemical changes in their surroundings. The contributors — noted experts in the field — cover a wide range of topics such as microbial metabolism and production (fungi, bacteria, yeast etc); refined and non-refined carbon sources; bioprocessing; microbial synthesis, responses and performance; and biochemical, molecular and extra/intracellular controlling. This resource contains a compilation of literature on biochemical and cellular level mechanisms for microbial controlled production and includes the most significant recent advances in industrial fermentation. The text offers a balanced approach between theory and practical application, and helps readers gain a clear understanding of microbial physiological adaptation during fermentation and its cumulative effect on productivity. This important book: Presents the fundamental molecular mechanisms involved in microbial sensing in relation to fermentation technology Includes information on the significant recent advances in industrial fermentation Contains contributions from a panel of highly-respected experts in their respective fields Offers a resource that will be essential reading for scientists, professionals and researchers from academia and industry with an interest in the biochemistry and microbiology of fermentation technology Written for researchers, graduate and undergraduate students from diverse backgrounds, such as biochemistry and applied microbiology, Microbial Sensing in Fermentation offers a review of the fundamental molecular mechanisms involved in the process of fermentation.

Natural elements and cosmic phenomena in space, such as asteroids, comets, meteors, black holes and super bubbles pose a threat to the planet Earth and spacefarers in the near-Earth environment. Terrestrial and Extraterrestrial Space Dangers describes these dangers in the near-Earth outer space environment. The uniquely risky nature of rocket transportation is documented and quantified. The human health consequences for vision, muscles, and the neurovestibular system, for instance, on exposure to an outer space environment, are also explained in this book. Readers will benefit from the extensive information offered within this text which is also accompanied with a bibliography of references. This book offers a comprehensive primer for anyone interested in space travel and associated risk assessment.

"Current Developments in Biotechnology and Bioengineering: Functional Genomics and Metabolic Engineering" provides extensive coverage of new developments, state-of-the-art technologies, and potential future trends in the field, compiling the latest ideas from across the entire arena of biotech-

nology and bioengineering. This volume provides data-based scientific knowledge and state-of-art information on functional genomics and metabolic engineering. It covers the core subjects of functional genomics, such as epigenomics, metagenomics, genomics of extremophiles, genomics studies in nutrient transport, genomics of miRNA, and genomics of pathogenesis. An overview of metabolic engineering theories and approaches is supported with specific important examples of secondary metabolites, including" Streptomyces," pentose utilization in "E. coli," bacterial ethanol fermentation, yeast mediated benzaldehyde biotransformation, carotenoid production, acetic acid production by "E. coli," " "and NADH regeneration. Provides state-of-the-art information and applications of functional genomics and metabolic engineering as applied to biotechnologySupports the education and understanding of biotechnology education and R&DDemonstrates new means of enabling cells to produce valuable proteins, polypeptides, and primary and secondary metabolites

This book comprehensively discusses the background to the passing of India's revolutionary Mental Healthcare Act, 2017, offering a detailed description of the Act itself and a rigorous analysis in the context of the CRPD and the World Health Organization (WHO) standards for mental health law. It examines the fine balance, between complying with the CRPD while still delivering practical, humane, and implementable legislation. It explores how this legislation was shaped by the WHO standards and provides insights into areas where the Indian legislators deviated from these guidelines and why. Taking India as an example, it highlights what is possible in other low- and middle-income countries. Further it covers key issues in mental health, identifying potential competing interests and exploring the difficulties and limitations of international guidelines. The book is a valuable resource for psychiatrists, nurses, social workers, non-governmental organizations and all mental healthcare workers in India and anyone studying human rights law.

Building on her earlier work, 'The Power of Music: A Research Synthesis of the Impact of Actively Making Music on the Intellectual, Social and Personal Development of Children and Young People', this volume by Susan Hallam and Evangelos Himonides is an important new resource in the field of music education, practice, and psychology. A well-signposted text with helpful subheadings, 'The Power of Music: An Exploration of the Evidence' gathers and synthesises research in neuroscience, psychology, and education to develop our understanding of the effects of listening to and actively making music. Its chapters address music’s relationship with literacy and numeracy, transferable skills, its impact on social cohesion and personal wellbeing, as well as the roles that music plays in our everyday lives. Considering evidence from large population samples to individual case studies and across age groups, the authors also pose important methodological questions to the research community. 'The Power of Music' defends qualitative research against a requirement for randomised control trials that can obscure the diverse and often fraught contexts in which people of all ages and backgrounds are exposed to, and engage with, music. This magnificent and comprehensive volume allows the evidence about the power of music to speak for itself, thus providing an essential directory for those researching music education and its social, personal, and cognitive impact across human ages and experiences.

This volume assembles the most recent thinking and empirical research from key theorists and researchers on how children, from preschool through early adolescence, make sense of their own and others' emotional experience. Contributors discuss the control of emotion, the role of culture, empathic experience, and the emerging theory of mind that is implicit in children's views of emotion. Annotation copyrighted by Book News, Inc., Portland, OR

The Design and Development of Novel Drugs and Vaccines: Principles and Protocols presents both in silico methods and experimental protocols for vaccine and drug design and development, critically reviewing the most current research and emphasizing approaches and technologies that accelerate and lower the cost of product development. Sections review the technologies and approaches used to identify, characterize and establish a protein as a new drug and vaccine target, cover several molecular methods for in vitro studies of the desired target, and present various physiological parameters for in vivo studies. The book includes preclinical trials and research, along with information on FDA approval. Covers both in silico methods and experimental protocols for vaccine and drug development in a single, accessible volume Offers a holistic accounting of how developments in bioinformatics and large experimental datasets can be used in the development of vaccines and drugs Shows researchers the entire gamut of current therapies, ranging from computational inputs to animal studies Reviews the most current, cutting-edge research available on vaccine and drug design and development

This guidebook is essential reading for all professionals in the field.

A vivid portrait of how Naval oversight shaped American oceanography, revealing what difference it makes who pays for science. What difference does it make who pays for science? Some might say none. If scientists seek to discover fundamental truths about the world, and they do so in an objective manner using well-established methods, then how could it matter who’s footing the bill? History, however, suggests otherwise. In science, as elsewhere, money is power. Tracing the recent history of oceanography, Naomi Oreskes discloses dramatic changes in American ocean science since the Cold War, uncovering how and why it changed. Much of it has to do with who pays. After World War II, the US military turned to a new, uncharted theater of warfare: the deep sea. The earth sciences—particularly physical oceanography and marine geophysics—became essential to the US Navy, which poured unprecedented money and logistical support into their study. Science on a Mission brings to light how this influx of military funding was both enabling and constricting: it resulted in the creation of important domains of knowledge but also significant, lasting, and consequential domains of ignorance. As Oreskes delves into the role of patronage in the history of science, what emerges is a vivid portrait of how naval oversight transformed what we know about the sea. It is a detailed, sweeping history that illuminates the ways funding shapes the subject, scope, and tenor of scientific work, and it raises profound questions about the purpose and character of American science. What difference does it make who pays? The short answer is: a lot.

Request a FREE 30-day online trial to this title at www.sagepub.com/freetrial With entries from leading international scholars from around the world, this eight-volume encyclopedia offers the widest possible coverage of key areas both regionally and globally. The International Encyclopedia of Political Science provides a definitive, comprehensive picture of all aspects of political life, recognizing the theoretical and cultural pluralism of our approaches and including findings from the far corners of the world. The eight volumes cover every field of politics, from political theory and methodology to political sociology, comparative politics, public policies, and international relations. Entries are arranged in alphabetical order, and a list of entries by subject area appears in the front of each volume for ease of use. The encyclopedia contains a detailed index as well as extensive bibliographical references. Filling the need for an exhaustive overview of the empirical findings and reflections on politics, this reference resource is suited for undergraduate or graduate students who wish to be informed effectively and quickly on their field of study, for scholars seeking information on relevant research findings in their area of specialization or in related fields, and for lay readers who may lack a formal background in political science but have an interest in the field nonetheless. The International Encyclopedia of Political Science provides an essential, authoritative guide to the state of political science at the start of the 21st century and for decades to come, making it an invaluable resource for a global readership, including researchers, students, citizens, and policy makers. The encyclopedia was developed in partnership with the International Political Science Association. Key Themes: Case and Area Studies Comparative Politics, Theory, and Methods Democracy and Democratization Economics Epistemological Foundations Equality and Inequality Gender and Race/Ethnicity International Relations Local Government Peace, War, and Conflict Resolution People and Organizations Political Economy Political Parties Political Sociology Public Policy and Administration Qualitative Methods Quantitative Methods Religion

In this fascinating book, New Yorker business columnist James Surowiecki explores a deceptively simple idea: Large groups of people are smarter than an elite few, no matter how brilliant—better at solving problems, fostering innovation, coming to wise decisions, even predicting the future. With boundless erudition and in delightfully clear prose, Surowiecki ranges across fields as diverse as popular culture, psychology, ant biology, behavioral economics, artificial intelligence, military history, and politics to show how this simple idea offers important lessons for how we live our lives, select our leaders, run our companies, and think about our world.

Natural and human-induced changes in Earth's interior, land surface, biosphere, atmosphere, and oceans affect all aspects of life. Understanding these changes requires a range of observations acquired from land-, sea-, air-, and space-based platforms. To assist NASA, NOAA, and USGS in developing these tools, the NRC was asked to carry out a "decadal strategy" survey of Earth science and applications from space that would develop the key scientific questions on which to focus Earth and environmental observations in the period 2005-2015 and beyond, and present a prioritized list of space programs, missions, and supporting activities to address these questions. This report presents a vision for the Earth science program; an analysis of the existing Earth Observing System and recommendations to help restore its capabilities; an assessment of and recommendations for new observations and missions for the next decade; an examination of and recommendations for effective application of those observations; and an analysis of how best to sustain that observation and applications system.

This book on ‘Chemistry and Technology of Natural and Synthetic Dyes and Pigments’ is a priority publication by IntechOpen publisher and it relates to sustainable approaches towards green chemical processing of textiles, specifically on dyeing with natural dyes and pigments as well as dyeing with eco-safe synthetic dyes and chemicals. This book includes the following chapters: an introductory editorial chapter on bio-mordants, bio-dyes and bio-finishes, a review of natural dyes and pigments and its application, pantone-like shade generation with natural colorants, colour-based natural dyes and pigments, printing with natural dyes and pigments, functional property and functional finishes with natural dyes and pigments, eco-safe synthetic dyes and chemicals, and a miscellaneous review on dyed textiles and clothing including natural dye-based herbal textiles.This new book is expected to be useful for dyers of the textile industry as well as to the future researchers in this field.

Recent startling successes in machine intelligence using a technique called ‘deep learning’ seem to blur the line between human and machine as never before. Are computers on the cusp of becoming so intelligent that they will render humans obsolete? Harry Collins argues we are getting ahead of ourselves, caught up in images of a fantastical future dreamt up in fictional portrayals. The greater present danger is that we lose sight of the very real limitations of artificial intelligence and readily enslave ourselves to stupid computers: the ‘Surrender’. By dissecting the intricacies of language use and meaning, Collins shows how far we have to go before we cannot distinguish between the social understanding of humans and computers. When the stakes are so high, we need to set the bar higher: to rethink ‘intelligence’ and recognize its inherent social basis. Only if machine learning succeeds on this count can we congratulate ourselves on having produced artificial intelligence.

Current Perspectives in Bioscience Research is more inclined towards interdisciplinary studies. Recent developments in the technologies have led to a better understanding of living systems and this has removed the demarcations between various disciplines of life sciences. A new trend in life science incorporates biological research involving a merger of diverse disciplines such as (Zoology: Entomology & Fisheries, comparative anatomy of vertebrates and toxicology), Botany etc. The book encompasses topics on A Review on the potential of marine microbes in bio-plastics production, Phytochemical analysis and antibacterial activity of Nyctanthes arbor-tristis Linn against UTI causing pathogenic bacteria, Bioefficacy of Trichoderma isolates against fungal pathogens, Exotic Vs Exotic – A Promising Mode of Weed Control, Bioplastics - Production of plastics from Banana peels, CRISPR CAS9 in Gene Editing, A Review on mobile phones, a bridge for transmission of microbes, Appraisal on Diagnosis Treatment and Prophylaxis of Systemic Lupus Erythematosus, Preservation and microbial contamination of frozen foods, Nutraceuticals as alternative therapeutics for Parkinson’s disease, Decolorization of textile effluent using plant-based natural coagulants - A review, Vaccine Safety, Biodiversity and Biotechnological Potentials of Fungi from Marine Ecosystem, Bacterial Biofertilizers – An Overview, Nanoparticles as Feed supplements for Livestock animals and Isolation of Methionine producing Bacteria from Marine Environment distributed throughout Seventeen chapters for the benefits of graduate and postgraduate students as well as young researchers and scientists. In addition, this book provide newer techniques and the use of modern tools in achieving the potential of Antimicrobial activity, Food and Microbial technology, Vaccine technology, of vertebrates and COVID-19, this is all used to understand the challenges found in biological sciences.

Orchids are fascinating, with attractive flowers that sell in the markets and an increasing demand around the world. Additionally, some orchids are edible or scented and have long been used in preparations of traditional medicine. This book presents recent advances in orchid biochemistry, including original research articles and reviews. It provides in-depth insights into the biology of flower pigments, floral scent formation, bioactive compounds, pollination, and plant–microbial interaction as well as the biotechnology of protocorm-like bodies in orchids. It reveals the secret of orchid biology using molecular tools, advanced biotechnology, multi-omics, and high-throughput technologies and offers a critical reference for the readers. This book

explores the knowledge about species evolution using comparative transcriptomics, flower spot patterning, involving the anthocyanin biosynthetic pathways, the regulation of flavonoid biosynthesis, which contributes to leaf color formation, gene regulation in the biosynthesis of secondary metabolites and bioactive compounds, the mechanism of pollination, involving the biosynthesis of semiochemicals, gene expression patterns of volatile organic compounds, the symbiotic relationship between orchids and mycorrhizal fungi, techniques using induction, proliferation, and regeneration of protocorm-like bodies, and so on. In this book, important or model orchid species were studied, including Anoectochilus roxburghii, Bletilla striata, Cymbidium sinense, Dendrobium officinale, Ophrys insectifera, Phalaenopsis 'Panda', Pleione limprichtii.

Algae have been used since ancient times as food, fodder, fertilizer and as source of medicine. Nowadays seaweeds represent an unlimited source of the raw materials used in pharmaceutical, food industries, medicine and cosmetics. They are nutritionally valuable as fresh or dried vegetables, or as ingredients in a wide variety of prepared foods. In particular, seaweeds contain significant quantities of protein, lipids, minerals and vitamins. There is limited information about the role of algae and algal metabolites in medicine. Only a few taxa have been studied for their use in medicine. Many traditional cultures report curative powers from selected alga, in particular tropical and subtropical marine forms. This is especially true in the maritime areas of Asia, where the sea plays a significant role in daily activities. Nonetheless, at present, only a few genera and species of algae are involved in aspects of medicine and therapy. Beneficial uses of algae or algal products include those that may mimic specific manifestations of human diseases, production of antibiotic compounds, or improvement of human nutrition in obstetrics, dental research, thallassotherapy, and forensic medicine.