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Who Is Rational?
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Exploration of Subsurface Antarctica
Alien: Prototype
Biotrophic Plant-Microbe Interactions
Cognitive Radio-Oriented Wireless Networks
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Welding Processes

When an industrial spy steals a Xenomorph egg, former Colonial Marine Zula Hendricks must prevent an alien from killing everyone on an isolated colony planet. Venture, a direct rival to the Weyland-Yutani corporation, will accept any risk to crush the competition. Thus, when a corporate spy "acquires" a bizarre, leathery egg from a hijacked vessel, she takes it directly to the Venture testing facility on Jericho 3. Though unaware of the danger it poses, the scientists there recognize their prize's immeasurable value. Early tests reveal little, however, and they come to an inevitable conclusion. They need a human test subject ENTER ZULA HENDRICKS A member of the Jericho 3 security staff, Colonial Marines veteran Zula Hendricks has been tasked with training personnel to deal with anything the treacherous planet can throw their way. Yet nothing can prepare them for the horror that appears--a creature more hideous than any Zula has encountered before. Unless stopped, it will kill every human being on the planet.

Secrets of the Prophetic

Introduction to Bioorganic Chemistry and Chemical Biology is the first textbook to blend modern tools of organic chemistry with concepts of biology, physiology, and medicine. With a focus on human cell biology and a problems-driven approach, the text explains the combinatorial architecture of bioligomers (genes, DNA, RNA, proteins, glycans,

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lipids, and terpenes) as the molecular engine for life. Accentuated by rich illustrations and mechanistic arrow pushing, organic chemistry is used to illuminate the central dogma of molecular biology. Introduction to Bioorganic Chemistry and Chemical Biology is appropriate for advanced undergraduate and graduate students in chemistry and molecular biology, as well as those going into medicine and pharmaceutical science.

Who Is Rational?

Integrating a decade-long program of empirical research with current cognitive theory, this book demonstrates that psychological research has profound implications for current debates about what it means to be rational. The author brings new evidence to bear on these issues by demonstrating that patterns of individual differences--largely ignored in disputes about human rationality--have strong implications for explanations of the gap between normative and descriptive models of human behavior. Separate chapters show how patterns of individual differences have implications for all of the major critiques of purported demonstrations of human irrationality in the heuristics and biases literature. In these critiques, it has been posited that experimenters have observed performance errors rather than systematically irrational responses; the tasks have required computational operations that exceed human cognitive capacity; experimenters have applied the wrong normative model to the task; and participants have misinterpreted the tasks. In a

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comprehensive set of studies, Stanovich demonstrates that gaps between normative and descriptive models of performance on some tasks can be accounted for by positing these alternative explanations, but that not all discrepancies from normative models can be so explained. Individual differences in rational thought can in part be predicted by psychological dispositions that are interpreted as characteristic biases in people's intentional-level psychologies. Presenting the most comprehensive examination of individual differences in the heuristics and biases literature that has yet been published, experiments and theoretical insights in this volume contextualize the heuristics and biases literature exemplified in the work of various investigators.

Yeasts in the Production of Wine

This workbook is designed to teach the major fundamental concepts in Epidemiology, Biostatistics, and clinical research design alongside the textbook "Epidemiology and Biostatistics, 2nd Edition". It is written in concise and organized fashion with many examples to illustrate the concepts deriving from a collection of written materials created to teach Epidemiology and Biostatistics to medical students. The major differences from related titles include a "story" based approach toward teaching the material, relative brevity while maintaining focus on key concepts, and taking the perspective of first-time learners (avoiding and/or clearly defining jargon, using clear common-sense language). It features a

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variety of questions: long, short, and multiple choice questions. The workbook is made to provide students with the tools necessary to form their own informed conclusions from the clinical research literature.

Exploration of Subsurface Antarctica

Technical Crops includes plants of great agricultural importance. One chapter is devoted to cotton, the most important fiber crop on which significant progress in molecular genetic research has been made. Reviews on oil palm, coffee, tea, cocoa and rubber describe traditional breeding and preliminary molecular results. Chapters on forage crops, ornamentals, and medicinal and aromatic plants may serve as road maps for further molecular research.

Alien: Prototype

The only way for you to achieve a happy marriage is to get married prepared. There are many books on how to correct family conflicts, but very little information on how to prepare for marriage so that the typical problems of family life will bypass you. This book will reveal to you the secret of readiness for a lasting family relationship. In this book you'll discover 1. How to differentiate love from falling in love 2. How to avoid mistakes while choosing a life partner 3. How to choose a life partner 4. Questions you need to ask before marriage 5. 13 signs that you are ready for marriage. 6. You need to be self-sufficient for marriage 7. You must be ready not be a burden to your future husband. 8. You must be ready

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to make sacrifices for your husband and future family
9. For marriage, you and fiance should have similar values.
10. You must be ready to detach from relatives and friends for the sake of my new family.

Biotrophic Plant-Microbe Interactions

Throughout their life, plants interact with all sorts of microbes. Some of these are detrimental and cause disease; some interactions are mutually beneficial for both partners. It is clear that most, if not all, of the interactions are regulated by highly complex checks and balances sustained by signalling and exchange of messengers and nutrients. The interactions where both partners are alive for a significant part of their time together are called biotrophic. In this e-book we bring together 33 articles representing the current state-of-the-art in research about diverse biotrophic plant-microbe associations aimed at describing and understanding how these complex and ubiquitous partnerships work and ultimately support much of the land-based biosphere.

Cognitive Radio-Oriented Wireless Networks

Achieve Financial Success...God's Way! DIVPastor Sunday Adelaja helped 200 people become millionaires in just two years by teaching them how to apply God's principles to their personal finances. Discover how they did it in Money Won't Make You Rich, a comprehensive guide to true prosperity and financial freedom./divDIV /divDIVWhen you

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understand God's principles about finances, you can control your money without letting it control you. In this practical, inspirational guide, Pastor Adelaja combines biblical truth, financial advice, and his own life experiences to explain such topics as:

- The meaning of prosperity
- The nature of poverty
- The secret of success and four principles of continuous success
- Three laws to making your money work for you
- The reason for financial failure
- And much more

Technical Crops

It is well established that certain strains of yeasts are suitable for transforming grape sugars into alcohol, while other yeast strains are not suitable for grape fermentations. Recent progress has clearly demonstrated that the sensory profile of a wine is characteristic of each vine cultivated, and the quality and technological characteristics of the final product varies considerably due to the strains which have performed and/or dominated the fermentation process. Because of their technological properties, wine yeast strains differ significantly in their fermentation performance and in their contribution to the final bouquet and quality of wine, such as useful enzymatic activities and production of secondary compounds related both to wine organoleptic quality and human health. The wine industry is greatly interested in wine yeast strains with a range of specialized properties, but as the expression of these properties differs with the type and style of wine to be made, the actual trend is in the use of selected

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strains, which are more appropriate to optimize grape quality. Additionally, wine quality can be influenced by the potential growth and activity of undesirable yeast species, considered spoilage yeasts, which cause sluggish and stuck fermentation and detrimental taste and aroma in the wine.

Biology and Utilization of the Cucurbitaceae

This proceedings book features selected papers from the 9th National Scientific and Practical Conference “Digital Economy: Complexity and Variety Vs. Rationality,” which took place on April 17–18, 2019, in Vladimir (Russian Federation). It presents the latest research in the field of the digital economy, discussing its role in the creation of advantages for the state, entrepreneurship, and society, as well as the emergence of new economic risks. The chapters address the following topics: the importance of economy’s digital modernization, tools for the formation of the digital economy in Russia, specific features and perspectives of digital modernization of the regional economy, an overview of the social consequences of transition to the digital economy, financial components of the digital economy, legal challenges regarding the digital reality for society and state, and the main challenges and threats to the profession of jurisprudence in the context of the digitization of the economy. Intended for representatives of the academic community and researchers interested in the formation of the digital economy and digital society as well as

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undergraduates, postgraduates, and masters of economic specialties, the book is also a valuable resource for companies that use or wishing to implement digital technologies into their economic practices; and public and government employees involved with monitoring, control, and regulation of the digital economy.

Biological & Agricultural Index

This book constitutes the refereed proceedings of the 14th International Conference on Cognitive Radio-Oriented Wireless Networks, CROWNCOM 2019, held in Poznan, Poland, in June 2019. The 30 revised full papers were selected from 48 submissions and present a large scope of research topic also covering IoT in 5G and how cognitive mechanisms shall help leveraging access for numerous devices; mmWave and how specific propagation and operation in these bands bring new sharing mechanisms ; how resource allocation amongst bands (including offload mechanisms) shall be solved. The key focus will be on how rich data analysis can improve the delivery of above defined services.

John G. Lake's Writings from Africa

This book provides insights into the latest achievements in genomics research on Brassica rapa. It describes the findings on this Brassica species, the first of the U's triangle that has been sequenced and a close relative to the model plant Arabidopsis, which provide a basis for investigations of major Brassica

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crop species. Further, the book focuses on the development of tools to facilitate the transfer of our rich knowledge on Arabidopsis to a cultivated Brassica crop. Key topics covered include genomic resources, assembly tools, annotation of the genome, transposable elements, comparative genomics, evolution of Brassica genomes, and advances in the application of genomics in the breeding of Brassica rapa crops.

Real-Time Shadows

Important elements of games, movies, and other computer-generated content, shadows are crucial for enhancing realism and providing important visual cues. In recent years, there have been notable improvements in visual quality and speed, making high-quality realistic real-time shadows a reachable goal. Real-Time Shadows is a comprehensive guide to the theory and practice of real-time shadow techniques. It covers a large variety of different effects, including hard, soft, volumetric, and semi-transparent shadows. The book explains the basics as well as many advanced aspects related to the domain of shadow computation. It presents interactive solutions and practical details on shadow computation. The authors compare various algorithms for creating real-time shadows and illustrate how they are used in different situations. They explore the limitations and failure cases, advantages and disadvantages, and suitability of the algorithms in several applications. Source code, videos, tutorials, and more are available on the book's website

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www.realtimeshadows.com.

Membrane Technology and Applications

This book covers the same material and more when compared with other international business texts, yet it is priced for the student's pocketbook. A new international business text for a new and ever changing global environment. With a unique chapter covering International E-Commerce, Cullen is written in a unique way. Issues link the chapters. The logic is that to choose and implement strategies in international business, you need to understand the global, institutional, and cultural environment. In turn, you need to align functional strategies to support the more general multinational strategies. From the student's point of view, the approach is designed to answer the questions of "why do I really need to know all of this stuff?" Log on to International Business' companion website for student and instructor resources, featuring Lecture Notes, Lecture Slides, a TestBank, Practice Quizzes, Flash Cards, and useful links: www.cullenib.com.

Machine Learning Projects for Mobile Applications

It's a Numberful World

Recent major advances in the field of comparative genomics and cytogenomics of plants, particularly associated with the completion of ambitious genome

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projects, have uncovered astonishing facets of the architecture and evolutionary history of plant genomes. The aim of this book was to review these recent developments as well as their implications in our understanding of the mechanisms which drive plant diversity. New insights into the evolution of gene functions, gene families and genome size are presented, with particular emphasis on the evolutionary impact of polyploidization and transposable elements. Knowledge on the structure and evolution of plant sex chromosomes, centromeres and microRNAs is reviewed and updated. Taken together, the contributions by internationally recognized experts present a panoramic overview of the structural features and evolutionary dynamics of plant genomes. This volume of Genome Dynamics will provide researchers, teachers and students in the fields of biology and agronomy with a valuable source of current knowledge on plant genomes.

Membership Directory

"Nazi war criminal Adolf Eichmann was tried in Israel in 1960 for crimes against humanity. De-spite his claim that he was just following the orders of his superiors when he ordered the deaths of millions of Jews, the court found him guilty and sentenced him to death. Was Eichmann an inhuman monster? Or was he, as his defense lawyer claimed, just doing what many of us would do- following orders from our superiors?"--

Introduction to Bioorganic Chemistry and

Chemical Biology

Why do people with great potential in life miss their chance to be successful? Why do they fail to realize their abilities and talents and fulfill their calling? What hinders these people from walking in God's plan and carrying out the great work that only they are able to complete? In this book you will find the answers to these questions and many others.

(Endo)symbiotic Methanogenic Archaea

The Listen Learn and Talk package is an auditory habilitation program for children with a hearing impairment identified under 12 months. This program was developed for parents and professionals as a resource to supplement the child's habilitation program. The program follows the natural development of the child from birth to pre-school age. It contains ideas and strategies for developing spoken language through listening. The first section of the book provides information on the importance of parent participation in the habilitation process. It includes auditory habilitation strategies and an integrated development scale from birth to 48 months. The second part relates to the video demonstrations, expanding on the strategies show and providing additional ideas for activities at home. The book also includes a glossary, a list of scales of development and assessing tools used by professionals. The videos demonstrate age appropriate strategies and activities in both home and clinical environments.

United Nations E-Government Survey 2016

Our appreciation of glaciological processes in Antarctica suffers from a lack of observations in regions where numerical models indicate the ice sheet to be susceptible to ocean and/or atmospheric warming. The solution lies in the use and development of glacier geophysics. In this volume we present a series of papers that demonstrate how geophysics can be deployed in Antarctica to comprehend: (1) boundary conditions that influence ice flow such as subglacial topography, the distribution of basal water and ice-sheet rheology; (2) phenomena that might affect ice-flow processes, such as complex internal ice-sheet structures and the proposition of large stores of hitherto unappreciated groundwater; and (3) how glacial sediments and formerly glaciated terrain on, and surrounding, the continent can inform us about past ice-sheet dynamics. The volume also takes a historical view on developments leading to current knowledge, examines active ice-sheet processes, and points the way forward on how geophysics can advance quantitative understanding of Antarctic ice-sheet behaviour.

The Brassica rapa Genome

An esteemed teacher and former pastor, James W. Goll is one of the leading prophetic voices of our time. Now, for the first time, he offers his wisdom and insight in one accessible manual on the challenging

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topic of deliverance. Among the subjects he covers are: tools and practical help for overcoming the demonic how to handle the raging battle of temptation techniques to keep yourself refreshed during the fight characteristics of demonic entities and their strategies how to break curses the healing qualities of blessings and more With a companion study guide also available, Goll's action-oriented approach walks readers step by step through the process of freeing both themselves and others from problems they cannot overcome. When believers claim their authority in Christ, hope and healing can be theirs.

Plant Genomes

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Monthly Index of Russian Accessions

This paper focuses on the IMF report on detailed assessment of observance of Basel Core Principles

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(BCP) for effective banking supervision in Canada. The Canadian banking supervisor (OSFI) adopts a close and cooperative approach that supports the close network of federal authorities in identifying and seeking to mitigate prudential risks to the federal system. As a world-leading regulator, OSFI could be expected to issue a comprehensive suite of risk management standards to be available to all banks, even if at a relatively high level or based largely on Basel Committee for Banking Supervision guidance.

Listen, Learn and Talk

The Novartis Foundation Series is a popular collection of the proceedings from Novartis Foundation Symposia, in which groups of leading scientists from a range of topics across biology, chemistry and medicine assembled to present papers and discuss results. The Novartis Foundation, originally known as the Ciba Foundation, is well known to scientists and clinicians around the world.

Voronoi Diagrams and Delaunay Triangulations

How to Keep Your Focus

While the complete sequencing of the genomes of model organisms such as a multitude of bacteria and archaea, the yeast *Saccharomyces cerevisiae*, the worm *Caenorhabditis elegans*, the fly *Drosophila melanogaster*, and the mouse and human genomes

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have received much public attention, the deciphering of plant genomes was greatly lagging behind. Up to now, only two plant genomes, one of the model plant *Arabidopsis thaliana* and one of the crop species rice (*Oryza sativa*) have been sequenced, though a series of other crop genome sequencing projects are underway. Notwithstanding this public bias towards genomics of animals and humans, it is nevertheless of great importance for basic and applied sciences and industries in such diverse fields as agriculture, breeding in particular, evolutionary genetics, biotechnology, and food science to know the composition of crop plant genomes in detail. It is equally crucial for a deeper understanding of the molecular basis of biodiversity and synteny. The *Handbook of Genome Mapping: Genetic and Physical Mapping* is the first book on the market to cover these hot topics in considerable detail, and is set apart by its combination of genetic and physical mapping. Throughout, each chapter begins with an easy-to-read introduction, also making the book the first reference designed for non-specialists and newcomers, too. In addition to being an outstanding bench work reference, the book is an excellent textbook for learning and teaching genomics, in particular for courses on genome mapping. It also serves as an up-to-date guide for seasoned researchers involved in the genetic and physical mapping of genomes, especially plant genomes.

Epidemiology and Biostatistics

Am I Ready to Become a Wife?

The cucurbits (Cucurbitaceae, or gourd family), which include squash, pumpkin, melon, cucumber, and watermelon, have long been of economic significance. As sources of vegetables, fruit, and seeds rich in oils and protein, they have the potential of making an even larger contribution toward meeting the needs of humankind. This book, consisting of 37 papers by 50 cucurbit specialists, emphasizes the practical importance of cucurbit investigation, and also provides a broad overview of the family.

Canada: Financial Sector Assessment Program-Basel Core Principles for Effective Banking Supervision-Detailed Assessment of Observance

Born in Nigeria, Adelaja was recruited as a teenager by Russian communists. Discover how God gave him a new assignment---to evangelize the Ukraine! Here's the astounding story of the unlikely pastor of Eastern Europe's largest megachurch. Recounting his struggle against prejudice and persecution, it will inspire you to maximize your impact for Christ. 224 pages, softcover from Charisma.

Maternal Recognition of Pregnancy

Since 2001, the United Nations Department of Economic and Social Affairs (DESA), Division for Public Administration and Development Management (DPADM) has published the United Nations E-

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Government Survey (the Survey). Now in its ninth edition, the Survey provides an analysis of emerging public administration trends and issues and of how e-government can support the realization of the internationally agreed development agenda and goals. The Survey offers insights about common challenges, broad trends and different strategies in e-government development among regions and across countries. By tracking the progress of countries globally over time, the Survey seeks to better understand the challenges and opportunities that the Member States face in developing their e-government programmes.

The Handbook of Plant Genome Mapping

Voronoi diagrams partition space according to the influence certain sites exert on their environment. Since the 17th century, such structures play an important role in many areas like Astronomy, Physics, Chemistry, Biology, Ecology, Economics, Mathematics and Computer Science. They help to describe zones of political influence, to determine the hospital nearest to an accident site, to compute collision-free paths for mobile robots, to reconstruct curves and surfaces from sample points, to refine triangular meshes, and to design location strategies for competing markets. This unique book offers a state-of-the-art view of Voronoi diagrams and their structure, and it provides efficient algorithms towards their computation. Readers with an entry-level background in algorithms can enjoy a guided tour of gently increasing difficulty through a fascinating area. Lecturers might find this

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volume a welcome source for their courses on computational geometry. Experts are offered a broader view, including many alternative solutions, and up-to-date references to the existing literature; they might benefit in their own research or application development.

Money Won't Make You Rich

Why aren't left-handers extinct? What makes a rainbow round? How is a pancreas . . . like a pendulum? Publisher's note: It's a Numberful World was published in Australia under the title Woo's Wonderful World of Maths. These may not look like math questions, but they are—because they all have to do with patterns. And mathematics, at heart, is the study of patterns. That realization changed Eddie Woo's life—by turning the “dry” subject he dreaded in high school into a boundless quest for discovery. Now an award-winning math teacher, Woo sees patterns everywhere: in the “branches” of blood vessels and lightning, in the growth of a savings account and a sunflower, even in his morning cup of tea! Here are twenty-six bite-size chapters on the hidden mathematical marvels that encrypt our email, enchant our senses, and even keep us alive—from the sine waves we hear as “music” to the mysterious golden ratio. This book will change your mind about what math can be. We are all born mathematicians—and It's a Numberful World.

Chemical Engineering

Deliverance from Darkness

"If you are longing to gain insights into the prophetic word, then this book will lead you on the pathway to that discovery." --Paul Crouch, President, Trinity Broadcast Network

Wrapped around the astounding story of Kim Clement's personal life and call into the prophetic ministry are the secrets that everyone needs in order to hear God's voice with clarity and assurance. Kim remembers the first time he heard God's voice, when God called him to full-time ministry as he emerged from the waters of baptism. From that moment on, God began teaching him how to move in a prophetic gifting. In this book, you will discover amazing and practical truths about the realm of the prophetic from a man who is a prophet to the nations and who answers such questions as: Why is the prophetic ministry so necessary today? How do I respond to a word from the Lord? Will God speak directly to me? Can God speak to me in different ways? What are the duties, responsibilities, and mandates of a true prophet? You will be encouraged and strengthened as you read the accounts of Old Testament prophets as they heard God and responded to Him, and you will sense your own destiny unfold as you come to understand that you don't need someone else to reveal God's destiny for your life. Remember, God speaks directly to all his people, and that includes you!

Digital Economy: Complexity and Variety vs. Rationality

Seed Testing of Maize and Wheat

Bring magic to your mobile apps using TensorFlow Lite and Core ML Key Features Explore machine learning using classification, analytics, and detection tasks. Work with image, text and video datasets to delve into real-world tasks Build apps for Android and iOS using Caffe, Core ML and Tensorflow Lite Book Description Machine learning is a technique that focuses on developing computer programs that can be modified when exposed to new data. We can make use of it for our mobile applications and this book will show you how to do so. The book starts with the basics of machine learning concepts for mobile applications and how to get well equipped for further tasks. You will start by developing an app to classify age and gender using Core ML and Tensorflow Lite. You will explore neural style transfer and get familiar with how deep CNNs work. We will also take a closer look at Google's ML Kit for the Firebase SDK for mobile applications. You will learn how to detect handwritten text on mobile. You will also learn how to create your own Snapchat filter by making use of facial attributes and OpenCV. You will learn how to train your own food classification model on your mobile; all of this will be done with the help of deep learning techniques. Lastly, you will build an image classifier on your mobile, compare its performance, and analyze the results on both mobile and cloud using TensorFlow Lite with an RCNN. By the end of this book, you will not only have mastered the concepts of machine learning but also learned how to resolve problems faced while building powerful apps

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on mobiles using TensorFlow Lite, Caffe2, and Core ML. What you will learn Demystify the machine learning landscape on mobile Age and gender detection using TensorFlow Lite and Core ML Use ML Kit for Firebase for in-text detection, face detection, and barcode scanning Create a digit classifier using adversarial learning Build a cross-platform application with face filters using OpenCV Classify food using deep CNNs and TensorFlow Lite on iOS Who this book is for Machine Learning Projects for Mobile Applications is for you if you are a data scientist, machine learning expert, deep learning, or AI enthusiast who fancies mastering machine learning and deep learning implementation with practical examples using TensorFlow Lite and CoreML. Basic knowledge of Python programming language would be an added advantage.

Think

Visualizing Anatomy and Physiology is a visually powerful textbook, illustrated for maximum pedagogical effect, up-to-the-minute in all aspects of anatomical science and physiology, that provides motivating and engaging content as well as clinical and everyday relevance of the science of the discipline.

Church Shift

This updated monograph deals with methanogenic endosymbionts of anaerobic protists, in particular ciliates and termite flagellates, and with methanogens

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in the gastrointestinal tracts of vertebrates and arthropods. Further chapters discuss the genomic consequences of living together in symbiotic associations, the role of methanogens in syntrophic degradation, and the function and evolution of hydrogenosomes, hydrogen-producing organelles of certain anaerobic protists. Methanogens are prokaryotic microorganisms that produce methane as an end-product of a complex biochemical pathway. They are strictly anaerobic archaea and occupy a wide variety of anoxic environments. Methanogens also thrive in the cytoplasm of anaerobic unicellular eukaryotes and in the gastrointestinal tracts of animals and humans. The symbiotic methanogens in the gastrointestinal tracts of ruminants and other “methanogenic” mammals contribute significantly to the global methane budget; especially the rumen hosts an impressive diversity of methanogens. This makes this updated volume an interesting read for scientists and students in Microbiology and Physiology.

International Business

Visualizing Anatomy and Physiology

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