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KEY=BIOLOGY - EDWARDS LAYLAH

Evolution Education Around the Globe

Springer This edited book provides a global view on evolution education. It describes the state of evolution education in different countries that are representative of geographical regions around the globe such as Eastern Europe, Western Europe, North Africa, South Africa, North America, South America, Middle East, Far East, South East Asia, Australia, and New Zealand. Studies in evolution education literature can be divided into three main categories: (a) understanding the interrelationships among cognitive, affective, epistemological, and religious factors that are related to peoples' views about evolution, (b) designing, implementing, evaluating evolution education curriculum that reflects contemporary evolution understanding, and (c) reducing antievolutionary attitudes. This volume systematically summarizes the evolution education literature across these three categories for each country or geographical region. The individual chapters thus include common elements that facilitate a cross-cultural meta-analysis. Written for a primarily academic audience, this book provides a much-needed common background for future evolution education research across the globe.

33 Years Chapterwise Solutions NEET Biology 2021

Arihant Publications India limited 1. "33 Years' Chapterwise Solution NEET Biology" is a collect of all questions of AIPMT & NEET 2. The book covers the entire syllabus of class 11th and 12th in 40 chapters 3. Detailed and authentic solutions are provided for each question for conceptual understanding 4. Appendix is given at the end of the book 5. Previous Years' Solved papers are given for practice. Students who are preparing for NEET Exam are often advised to first revise the syllabus of

Class 11th and 12th completely before focusing on NEET itself. Here's presenting "33 Years' Chapterwise Solution NEET Biology" a Chapterwise collection of all questions asked in AIPMT & NEET. This book is designed to cover the complete syllabus of both class 11th & 12th under 40 Chapters. Detailed, authentic and explanatory solutions are provided for every question that has been drafted in such a manner that students will surely be able to catch the context and understand the concept. Appendix is provided at the end for quick revision. Previous years' Solved Papers are given to understand the prescribed pattern and types of questions. With this helpful set of Chapterwise solved papers, students will be ensured to get success in NEET 2020. TABLE OF CONTENT The Living World, Kingdom-Monera and Viruses, Kingdom-Protista, Kingdom-Fungi, Plant Kingdom, Animal Kingdom, Morphology of Flowering Plants, Anatomy of Flowering Plants, Structural Organisation in Animals, Cell: The Unit of Life, Biomolecules, Cell Cycle and Cell Division, Transport in Plants, Mineral Nutrition, Photosynthesis in Higher Plants, Respiration in Plants, Plant Growth and Development, Digestion and Absorption, Breathing and Respiration, Body Fluids and Circulation, Excretory Products and their Elimination, Locomotion and Movements, Neural Control and Coordination, Chemical Coordination and Integration, Reproduction in Organisms, Sexual Reproduction in Flowering Plants, Human Reproduction, Reproductive Health, Principles of Inheritance and Variation, Molecular Basis of Inheritance, Evolution, Human Health and Disease, Strategies for Enhancement in Food Production, Microbes in Human Welfare, Biotechnology : Principles and Processes, Biotechnology and its Applications, Organisms and Population, Ecosystem, Biodiversity and Conservation, Environmental Issues, Appendix, NEET SOLVED Paper 2018, NEET (National) Paper 2019, NEET (Odisha) Paper 2019, NEET Solved Paper 2020.

Advanced Higher Biology

'Official SQA Past Papers' provide perfect exam preparation. As well as delivering at least three years of actual past papers - including the 2008 exam - all papers are accompanied by examiner-approved answers to show students how to write the best responses for the most marks.

High Altitude Sickness – Solutions from Genomics, Proteomics and Antioxidant Interventions

Springer Nature This book reviews the recent advances in the development of proteomics-based biomarkers for the non-invasive diagnosis of altitude sickness and explores the potential of antioxidant therapy for this sickness. The first chapters introduce the associated pathophysiology and provide mechanistic insights into the enhanced generation of reactive oxygen and nitrogen species (RONS), which leads to an increase in oxidative damage to lipids, proteins, and DNA. The book then

highlights the current problems relating to the diagnosis and treatment of altitude sickness and summarizes novel approaches for identifying potential biomarkers and therapeutics. Lastly, it explores the therapeutic efficacy of antioxidant agents.

The Paleo Answer

7 Days to Lose Weight, Feel Great, Stay Young

Houghton Mifflin Harcourt How to take the Paleo Diet to the max for optimal weight loss and total health—from bestselling author and top Paleo expert Dr. Loren Cordain Dr. Loren Cordain's best-selling The Paleo Diet and The Paleo Diet Cookbook have helped hundreds of thousands of people eat for better health and weight loss by following the diet humans were genetically designed to eat: meats, fish, fresh fruits, vegetables, nuts and other foods that mimic the diet of our Paleolithic ancestors. In The Paleo Answer, he shows you how to supercharge the Paleo Diet for optimal lifelong health and weight loss. Featuring a new prescriptive 7-day plan and surprising revelations from the author's original research, this is the most powerful Paleo guide yet. ·Based on the author's groundbreaking research on Paleolithic diet and lifestyle ·Includes a new 7-day plan with recommended meals, exercise routines, lifestyle tips, and supplement recommendations ·Reveals fascinating findings from the author's research over the last decade, such as why vegan and vegetarian diets are not healthy and why dairy, soy products, potatoes, and grains can be harmful to our health ·Includes health and weight-loss advice for all Paleo dieters—women, men, and people of all ages—and is invaluable for CrossFitters and other athletes ·Written by Dr. Loren Cordain, the world's leading expert on Paleolithic eating styles internationally regarded as the founder of the Paleo movement Whether you've been following a Paleo-friendly diet and want to take it to the next level or are just discovering the benefits of going Paleo, this book will help you follow the Paleo path to the fullest—for lifelong health, increased energy, better sleep, lower stress and weight loss.

Combinatorial Pattern Matching

15th Annual Symposium, CPM

2004, Istanbul, Turkey, July 5-7,

2004, Proceedings

Springer Science & Business Media This book constitutes the refereed proceedings of the 15th Annual Symposium on Combinatorial Pattern Matching, CPM

2004, held in Istanbul, Turkey in July 2004. The 36 revised full papers presented were carefully reviewed and selected from 79 submissions. The papers are devoted to current theoretical and computational aspects of searching and matching of strings and more complicate patterns, such as trees, regular expressions, graphs, point sets, and arrays. Among the application fields addressed are computational biology, bioinformatics, genomics, proteomics, the web, data compression, coding, multimedia, information retrieval, data analysis, pattern recognition, and computer vision.

Molecular Biology of the Cell

Biology of Metabolism in Growing Animals

Elsevier Health Sciences The book is intended to provide in-depth reviews of the recent advances in major areas of metabolism in growing domestic animals. The study of metabolism represents a nexus of biological phenomenon that integrates the impact of nutrition, physiology, endocrinology, immunology, biochemistry, and cell biology in an organism. The development of new methodological techniques and experimental approaches have provide scientists with a greater understanding of how key nutrients or substrates are metabolized at the cellular, organ, and whole animal level. This book presents contributions from leading scientists in nutrition and physiology that highlight important new developments in interorgan and tissue-specific metabolism of protein and amino acids, lipids and fatty acids, and carbohydrates in monogastric and ruminant species. Authors will describe the impact of specific biochemical pathways and expression of critical enzymes, routes of nutrient or substrate input, and anatomical or structural influences on the rates of metabolism in a given tissue or cell type. Major substrates/ fuels for oxidative metabolism, key signaling pathways, and intracellular molecules that regulate the major metabolic processes will be described. Also included is how the metabolism of growing animals is influenced by ontogeny, stage of differentiation, and major changes in diet, or the environment. The concepts and specific findings in each area are discussed in the context of their impact on the nutrient requirements, growth, environmental impact, health and well-being of animals. The book will be a useful reference for research scientists, teachers and students interested in and advanced understanding of metabolism in growing animals. The book is written by leading experts and highlights some of the most recent advances in the field of metabolism. It is a useful reference for researchers and advanced level graduate students in nutrition, physiology and animal science. Presents recent advances in the field of metabolism.

Sustainable Agriculture: Biotechniques in Plant Biology

Springer Nature This book will be of immense help to the students of plant biotechnology, Agricultural sciences, Microbiology of both undergraduate and postgraduate levels in universities, colleges, and Research institutes. Besides the book will be quite supportive researchers who work in the field of plant biotechnology and agricultural sciences. In this book, the main focus will be on advanced genome editing approaches for the production of GM crops besides their socioeconomic, ethical and risk-biosafety assessments. Nanotechnology is the new emerging and fascinating field of science finds its application in almost all the major research areas and its uses in agriculture and food sectors are incipient. The book seems to be first in summarizing the two way interactive approach in the field of plant biotechnology and setting of a new arena in shaping the new bio techniques towards the sustainable cause.

A Good Death: On The Value Of Death And Dying

On the value of death and dying

McGraw-Hill Education (UK) Sandman highlights how our changing ideas about the value of life shape the concept of a good death. He explores the varying perspectives on the good death that come from friends, family, physicians, spiritual carers and others close to the dying person. Setting out a number of arguments for and against existing thinking about a good death, this book links to the practice of palliative care in several key areas. He concludes that it is difficult to find convincing reasons for any one way to die a good death and argues for a pluralist approach.

EBOOK: A Good Death: On the Value of Death and Dying

McGraw-Hill Education (UK) ·Is there such a thing as a good death? ·Should we be able to choose how we wish to die? ·What are the ethical considerations that surround a good death? The notion of a 'good death' plays an important role in modern palliative care and remains a topic for lively debate. Using philosophical methods and theories, this book provides a critical analysis of Western notions surrounding the dying process in the palliative care context. Sandman highlights how our changing ideas about the value of life inevitably shape the concept of a good death. He explores the varying perspectives on the good death that come from

friends, family, physicians, spiritual carers and others close to the dying person. Setting out a number of arguments for and against existing thinking about a good death, this book links to the practice of palliative care in several key areas including: ·An exploration of the universal features of dying ·The process of facing death ·Preparation for death ·The environment of dying and death The author concludes that it is difficult to find convincing reasons for any one way to die a good death and argues for a pluralist approach. A Good Death is essential reading for students and professionals with an interest in palliative care and end-of-life issues.

High-Performance Computational Solutions in Protein Bioinformatics

Springer Recent developments in computer science enable algorithms previously perceived as too time-consuming to now be efficiently used for applications in bioinformatics and life sciences. This work focuses on proteins and their structures, protein structure similarity searching at main representation levels and various techniques that can be used to accelerate similarity searches. Divided into four parts, the first part provides a formal model of 3D protein structures for functional genomics, comparative bioinformatics and molecular modeling. The second part focuses on the use of multithreading for efficient approximate searching on protein secondary structures. The third and fourth parts concentrate on finding 3D protein structure similarities with the support of GPUs and cloud computing. Parts three and four both describe the acceleration of different methods. The text will be of interest to researchers and software developers working in the field of structural bioinformatics and biomedical databases.

Environmental Health Perspectives

EHP

Algorithms in Bioinformatics

4th International Workshop, WABI 2004, Bergen, Norway, September 17-21, 2004, Proceedings

Springer This book constitutes the refereed proceedings of the 4th International Workshop on Algorithms in Bioinformatics, WABI 2004, held in Bergen, Norway, in September 2004. The 39 revised full papers presented were carefully reviewed and selected from 117 submissions. Among the topics addressed are all current issues of

algorithms in bioinformatics, such as exact and approximate algorithms for genomics, genetics, sequence analysis, gene and signal recognition, alignment, molecular evolution, phylogenetics, structure determination or prediction, gene expression and gene networks, proteomics, functional genomics, and drug design.

Implementing Cross-Culture Pedagogies

Cooperative Learning at Confucian Heritage Cultures

Springer Science & Business Media During the last two decades Confucian heritage culture countries have widely promoted teaching and learning reforms to advance their educational systems. To skip the painfully long research stage, Confucian heritage culture educators have borrowed Western philosophies and practices with the assumption that what has been done successfully in the West will produce similar outcomes in the East. The wide importation of cooperative learning practices to Confucian heritage culture classrooms recently is an example. However, cooperative learning has been documented in many studies not to work effectively in Confucian heritage culture classrooms. The reason is that the educators often impose this instructional method on the students without a careful consideration of its appropriateness in the socio-cultural context of Confucian heritage culture countries. This procedure is not effective and professional because learning does not stand alone. Rather, it is shaped and influenced by other factors including teaching methods, learning tasks, assessment demands, workload and the learning culture of students in the local context. For cooperative learning to work effectively in Confucian heritage culture classrooms, reformers need to consider the importation of this approach in line with a careful examination of all supports and constraints that affect those factors that are associated with learning. The volume provides an applied theoretical framework and culturally appropriate and practical instructions that could assist Confucian heritage culture educators and teachers to address various factors at multiple levels in order to optimize success in importing cooperative learning to their classrooms. Overall, it provides strategies to assist Confucian heritage culture teachers to change their teaching practices, redesign lessons plans, design assessment methods, and organize learning activities in a manner that can influence Confucian heritage culture students to shift from employing teacher-centered learning approaches to cooperative learning.

Chromosomal Q-heterochromatin in

the Human Genome

Cambridge Scholars Publishing The genomes of plants, animals and human consist of two components: euchromatin (representing the genes) and heterochromatin (consisting of non-coding DNAs). Unlike euchromatin, the biological role of heterochromatin is not known. To date, two types of chromosomal heterochromatin have been discovered: C- and Q-heterochromatin. C-heterochromatin is encountered in chromosomes of all higher eukaryotes, while Q-heterochromatin is present in only three higher primates: man, the chimpanzee and the gorilla. Wide variability of Q-heterochromatin has been shown to be mainly inherent in human populations. This study of Q-heterochromatin variability in natives of Eurasia and Africa highlights that interpopulation differences are related to physical environmental factors rather than to racial or ethnic features, and that the human ability to adapt to extreme conditions depends on the amount of Q-heterochromatin. The book also shows that Q-heterochromatin plays a role in the pathogenesis of certain forms of purely human pathologies such as obesity, alcoholism, addiction and atherosclerosis.

Oswaal 35 Years' NEET UG Solved Papers Physics, Chemistry & Biology 1988-2022 (Set of 3 books) (For 2023 Exam)

Oswaal Books and Learning Private Limited Latest NEET Question Paper 2022- Fully solved Chapter-wise & Topic-wise Previous Questions to enable quick revision Previous Years' (1988-2022) Exam Questions to facilitate focused study Mind Map: A single page snapshot of the entire chapter for longer retention Mnemonics to boost memory and confidence Revision Notes: Concept based study material Oswaal QR Codes: Easy to scan QR codes for online content Analytical Report: Unit-wise questions distribution in each subject Two SQPs based on the latest pattern Tips to crack NEET Top 50 Medical Institutes Ranks Trend Analysis: Chapter-wise

Medical Sociology on the Move New Directions in Theory

Springer Science & Business Media This book provides readers with a single source reviewing and updating sociological theory in medical or health sociology. The book not only addresses the major theoretical approaches in the field today, it also identifies the future directions these theories are likely to take in explaining the

social processes affecting health and disease. Many of the chapters are written by leading medical sociologists who feature the use of theory in their everyday work, including contributions from the original theorists of fundamental causes, health lifestyles, and medicalization. Theories focusing on both agency and structure are included to provide a comprehensive account of this important area in medical sociology.

High Content Screening

Springer Science & Business Media There has always been some tension between proponents of hypothesis-driven and discovery-driven research in the broad field of life sciences. Academic research has been primarily focused on hypothesis-driven research. However, the success of the human genome project, a discovery-driven research approach, has opened the door to adding other types of discovery-driven research to a continuum of research approaches. In contrast, drug discovery research in the pharmaceutical industry has embraced discovery-driven research for many years. A good example has been the discovery of active compounds from large chemical libraries, through screening campaigns. The success of the human genome project has also demonstrated the need for both academic researchers and industrial researchers to now understand the functions of genes and gene products. The cell is the basic unit of life and it has been at the cellular level where function can be demonstrated most cost-effectively and rapidly. High content screening (HCS) was developed by Cellomics Inc. in the mid-1990s to address the need for a platform that could be used in the discovery-driven research and development required to understand the functions of genes and gene products at the level of the cell.

Animal Passions and Beastly Virtues

Reflections on Redecorating Nature

Temple University Press An engaging, thoughtful look at the science and ethics of research into animal behavior.

S. Chand's Biology For Class XI

S. Chand Publishing S.Chand □ S Biology For Class XI - CBSE

The Human Biology of the English Village

Oxford University Press, USA This book provides a detailed account of many aspects of the human biology of a group of villages in the Otmoor region of Oxfordshire, which were studied over a fifteen year period. First, the historical demography of the region was reconstructed using its excellent parish records this

enabled changing patterns of population size, fertility, mortality, movement and migration to be documented, and predictions to be made about current genetic structure. These predictions were tested by studies of the biological variety in the present day populations which measured gene frequency distributions and a number of anthropometric and psychometric traits. The role of these latter characteristics in influencing such phenomena as marriage and social mobility, were also analysed. Further studies examined the health and well-being of today's inhabitants in which lifestyle characteristics are described and their possible effects on stress levels, sleep patterns, and morbidity histories identified. The book thus provides a unique account of life in an English village from a biological point of view.

High-Grade Gliomas

Diagnosis and Treatment

Springer Science & Business Media This is truly an exciting time in the field of neuro-oncology, particularly in the area of high-grade gliomas. The management of patients with high-grade gliomas has historically been one of the most challenging and disheartening fields in medicine, where failure is the rule and longevity is the exception. The jaded often state that despite purported advances in surgical and radiotherapeutic techniques and a myriad of clinical trials of medical therapies, the survival statistics for glioblastoma have not changed in the last three decades. The nihilism associated with these tumors is such that some practitioners still advise against treatment or even biopsy, recommending palliative care with the diagnosis based only on history and an MRI scan. If the current state-of-the-art in the diagnosis and management of high-grade gliomas was truly so bleak, there would be no reason to compile and publish a monograph on the subject. The fact is that we have recently entered an era where real progress is being made in our understanding and treatment of high-grade gliomas that is directly benefiting some patients. We are slowly but surely chipping away at this problem. One approach has exploited correlations between particular molecular markers and therapeutic response. The first such "breakthrough" in high-grade glioma was the observation that loss of chromosomes 1p and 19q uniformly predict chemosensitivity in anaplastic oligodendrogliomas (1).

S. Chand's Biology For Class XII

S. Chand Publishing S.Chand's Biology -XII - CBSE

Principles and Practice of Fertility Preservation

Cambridge University Press The specialty of fertility preservation offers patients with cancer, who are rendered infertile by chemo- and radiotherapy, the opportunity

to realize their reproductive potential. This gold-standard publication defines the specialty. The full range of techniques and scientific concepts is covered in detail, and the author team includes many of the world's leading experts in the field. The book opens with introductions to fertility preservation in both cancer and non-cancer patients, followed by cancer biology, epidemiology and treatment, and reproductive biology and cryobiology. Subsequent sections cover fertility preservation strategies in males and females, including medical/surgical procedures, ART, cryopreservation and transplantation of both ovarian tissue and the whole ovary, and in-vitro follicle growth and maturation. Concluding chapters address future technologies, as well as ethical, legal and religious issues. Richly illustrated throughout, this is a key resource for all clinicians specializing in reproductive medicine, gynecology, oncology, hematology, endocrinology and infertility.

Essentials of Stem Cell Biology

Academic Press First developed as an accessible abridgement of the successful Handbook of Stem Cells, Essentials of Stem Cell Biology serves the needs of the evolving population of scientists, researchers, practitioners and students that are embracing the latest advances in stem cells. Representing the combined effort of seven editors and more than 200 scholars and scientists whose pioneering work has defined our understanding of stem cells, this book combines the prerequisites for a general understanding of adult and embryonic stem cells with a presentation by the world's experts of the latest research information about specific organ systems. From basic biology/mechanisms, early development, ectoderm, mesoderm, endoderm, methods to application of stem cells to specific human diseases, regulation and ethics, and patient perspectives, no topic in the field of stem cells is left uncovered. Selected for inclusion in Doody's Core Titles 2013, an essential collection development tool for health sciences libraries Contributions by Nobel Laureates and leading international investigators Includes two entirely new chapters devoted exclusively to induced pluripotent stem (iPS) cells written by the scientists who made the breakthrough Edited by a world-renowned author and researcher to present a complete story of stem cells in research, in application, and as the subject of political debate Presented in full color with glossary, highlighted terms, and bibliographic entries replacing references

The Answer

Grow Any Business, Achieve Financial Freedom, and Live an

Extraordinary Life

Simon and Schuster Outlines strategies for minimizing risks and maximizing success in today's business environments, drawing on scientific principles to outline a step-by-step process for "rewiring" one's brain in order to enable an extraordinary life.

Senior High Core Collection

A Selection Guide

Hw Wilson Company Features annotations for more than 6,200 works in the main volume (2007), and more than 2,400 new titles in three annual supplements published 2008 through 2010. New coverage of biographies, art, sports, Islam, the Middle East, cultural diversity, and other contemporary topics keeps your library's collection as current as today's headlines.

They Shimmer Within: Cognitive-Evolutionary Perspectives on Visionary Beings

Lulu.com

The Handy Biology Answer Book

Visible Ink Press Gene Therapy. DNA Profiling. Cloning. Stem Cells. Super Bugs. Botany. Zoology. Sex. The study of life and living organisms is ancient, broad, and ongoing. The thoroughly revised and completely updated second edition of The Handy Biology Answer Book examines, explains, and traces mankind's understanding of this important topic. From the newsworthy to the practical and from the medical to the historical, this entertaining and informative book brings the complexity of life into focus through the well-researched answers to nearly 1,300 common biology questions, including ... • What is social Darwinism? • Is IQ genetically controlled? • Do animals commit murder? • How did DNA help "discover" King Richard III? • Is obesity inherited? The Handy Biology Answer Book covers all aspects of human, animal, plant, and microbial biology. It also introduces the scientists behind the breathtaking advances, tracing scientific history and milestones. It explains the inner workings of cells, as well as bacteria, viruses, fungi, plant and animal characteristics and diversity, endangered plants and animals, evolution, adaption and the environment, DNA and chromosomes, genetics and genetic engineering, laboratory techniques, and much more. This handy reference is the go-to guide for students and the more learned alike. It's for anyone interested in

life!

Index Medicus

Oswaal 35 Years' NEET UG Solved Papers Chapterwise & Topicwise Biology 1988-2022 (For 2023 Exam)

Oswaal Books and Learning Private Limited • Chapter-wise and Topic-wise presentation • Latest NEET Question Paper 2022- Fully solved • Chapter-wise & Topic-wise Previous Questions to enable quick revision • Previous Years' (1988-2022) Exam Questions to facilitate focused study • Mind Map: A single page snapshot of the entire chapter for longer retention • Mnemonics to boost memory and confidence • Revision Notes: Concept based study material • Oswaal QR Codes: Easy to scan QR codes for online content • Analytical Report: Unit-wise questions distribution in each subject • Two SQPs based on the latest pattern • Tips to crack NEET • Top 50 Medical Institutes Ranks • Trend Analysis: Chapter-wise

Psychology

Australia and New Zealand

Cengage AU Make introductory psychology modern and accessible! Strike a balance between classic and contemporary topics and theory. The new edition of this text engages students with local ideas and examples, within the context of psychology as an international discipline. Rich cultural and indigenous coverage is integrated throughout the text, as well as new chapters, 'Indigenous psychology', and 'Culture and psychology'. There is also the continued, and unique focus throughout the text on graduate attributes for accreditation, careers in psychology and the professional discipline of psychology. Linkages features in the text knit together student understanding of psychology's sub-disciplines, and the research sections show the how and why of research. World class learning technology available with Bernstein includes CourseMate Express, and a new MindTap.

Annual Reports in Medicinal Chemistry

Elsevier Annual Reports in Medicinal Chemistry provides timely and critical reviews of important topics in medicinal chemistry together with an emphasis on emerging topics in the biological sciences, which are expected to provide the basis for entirely new future therapies. Sections I-IV are disease orientated and generally report on

specific medicinal agents. Sections V and VI continue to emphasize important topics in medicinal chemistry, biology, and drug design. Section VII looks at Trends and Perspectives in the pharmaceuticals market. Critical reviews of the previous year's literature in many topics of interest to medicinal chemists Highlights major developments in medicinal chemistry Includes a comprehensive set of cumulative indices to easily locate topics in all published volumes

Genome Instability: Old Problem, New Solutions

Frontiers Media SA

New High Throughput Technologies for DNA Sequencing and Genomics

Elsevier Since the independent invention of DNA sequencing by Sanger and by Gilbert 30 years ago, it has grown from a small scale technique capable of reading several kilobase-pair of sequence per day into today's multibillion dollar industry. This growth has spurred the development of new sequencing technologies that do not involve either electrophoresis or Sanger sequencing chemistries. Sequencing by Synthesis (SBS) involves multiple parallel micro-sequencing addition events occurring on a surface, where data from each round is detected by imaging. New High Throughput Technologies for DNA Sequencing and Genomics is the second volume in the Perspectives in Bioanalysis series, which looks at the electroanalytical chemistry of nucleic acids and proteins, development of electrochemical sensors and their application in biomedicine and in the new fields of genomics and proteomics. The authors have expertly formatted the information for a wide variety of readers, including new developments that will inspire students and young scientists to create new tools for science and medicine in the 21st century. Reviews of complementary developments in Sanger and SBS sequencing chemistries, capillary electrophoresis and microdevice integration, MS sequencing and applications set the framework for the book. * 'Hot Topic' with DNA sequencing continuing as a major research activity in many areas of life science and medicine. * Bringing together new developments in DNA sequencing technology * Reviewing issues relevant to the new applications used

The Respiratory System

Infobase Publishing Describes the anatomy and functions of the respiratory system and examines respiratory diseases and how they affect the rest of the body.

Transformational Tourism Host Perspectives

CABI Transformational Tourism deals with the important issue of how travel and tourism can change human behaviour and have a positive impact on the world. The book focuses on human development in a world dominated by post-9/11 security and political challenges, economic and financial collapses, as well as environmental threats; it identifies various types of tourism that can transform human beings, such as educational, volunteer, survival, community-based, eco, farm, extreme, religious, spiritual, wellness, and mission tourism.

Cultural Barriers to the Success of Foreign Media Content

Western Media in China, India, and Japan

Peter Lang What media content attracts audiences across cultures and what does not? What does the cross-cultural audience demand depend on? The author takes a new approach to understanding cultural barriers to the success of foreign media content by analyzing the entry strategies of Time Warner, Disney, Viacom, News Corporation, and Bertelsmann with regard to China, India, and Japan in terms of their respective localization efforts. In-depth interviews with companies' representatives give an insight into how they view the need for locally-produced media in these countries. The author develops and employs the Lacuna and Universal Model that provides a new theoretical classification of reasons for the cross-cultural success and failure of media content, as well as the Vertical Barrier Chain that locates cultural barriers in the wider context of legal, political, and economic barriers to successful entry into foreign media markets.

Challenges and Innovative Solutions in River Sciences

Frontiers Media SA