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KEY=EDITION - KEENAN JOSEPH

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.

CONSERVATION BIOLOGY

EVOLUTION IN ACTION

Oxford University Press The main goal of this book is to encourage and formalize the infusion of evolutionary thinking into mainstream conservation biology. It reviews the evolutionary foundations of conservation issues, and unifies conceptual and empirical advances in evolutionary conservation biology. The book can be used either as a primary textbook or as a supplementary reading in an advanced undergraduate or graduate level course - likely to be called Conservation Biology or in some cases Evolutionary Ecology. The focus of chapters is on current concepts in evolution as they pertain to conservation, and the empirical study of these concepts. The balanced treatment avoids exhaustive reviews and overlapping duplication among the chapters. Little background in genetics is assumed of the reader.

THE PRINCETON GUIDE TO EVOLUTION

Princeton University Press The Princeton Guide to Evolution is a comprehensive, concise, and authoritative reference to the major subjects and key concepts in evolutionary biology, from genes to mass extinctions. Edited by a distinguished team of evolutionary biologists, with contributions from leading researchers, the guide contains some 100 clear, accurate, and up-to-date articles on the most important topics in seven major areas: phylogenetics and the history of life; selection and adaptation; evolutionary processes; genes, genomes, and phenotypes; speciation and macroevolution; evolution of behavior, society, and humans; and evolution and modern society. Complete with more than 100 illustrations (including eight pages in color), glossaries of key terms, suggestions for further reading on each topic, and an index, this is an essential volume for undergraduate and graduate students, scientists in related fields, and anyone else with a serious interest in evolution. Explains key topics in some 100 concise and authoritative articles written by a team of leading evolutionary biologists Contains more than 100 illustrations, including eight pages in color Each article includes an outline, glossary, bibliography, and cross-references Covers phylogenetics and the history of life; selection and adaptation; evolutionary processes; genes, genomes, and phenotypes; speciation and macroevolution; evolution of behavior, society, and humans; and evolution and modern society

GLOBAL TECTONICS

John Wiley & Sons The third edition of this widely acclaimed textbook provides a comprehensive introduction to all aspects of global tectonics, and includes major revisions to reflect the most significant recent advances in the field. A fully revised third edition of this highly acclaimed text written by eminent authors including one of the pioneers of plate tectonic theory Major revisions to this new edition reflect the most significant recent advances in the field, including new and expanded chapters on Precambrian tectonics and the supercontinent cycle and the implications of plate tectonics for environmental change Combines a historical approach with process science to provide a careful balance between geological and geophysical material in both continental and oceanic regimes Dedicated website available at <http://www.blackwellpublishing.com/kearey/>

MACROEVOLUTION

EXPLANATION, INTERPRETATION AND EVIDENCE

Springer This book is divided in two parts, the first of which shows how, beyond paleontology and systematics, macroevolutionary theories apply key insights from ecology and biogeography, developmental biology, biophysics, molecular phylogenetics and even the sociocultural sciences to explain evolution in deep time. In the second part, the phenomenon of macroevolution is examined with the help of real life-history case studies on the evolution of eukaryotic sex, the formation of anatomical form and body-plans, extinction and speciation events of marine invertebrates, hominin evolution and species conservation ethics. The book brings together leading experts, who explain pivotal concepts such as Punctuated Equilibria, Stasis, Developmental Constraints, Adaptive Radiations, Habitat Tracking, Turnovers, (Mass) Extinctions, Species Sorting, Major Transitions, Trends and Hierarchies – key premises that allow macroevolutionary epistemic frameworks to transcend microevolutionary theories that focus on genetic variation, selection, migration and fitness. Along the way, the contributing authors review ongoing debates and current scientific challenges; detail new and fascinating scientific tools and techniques that allow us to cross the classic borders between disciplines; demonstrate how their theories make it possible to extend the Modern Synthesis; present guidelines on how the macroevolutionary field could be further developed; and provide a rich view of just how it was that life evolved across time and space. In short, this book is a must-read for active scholars and because the technical aspects are fully explained, it is also accessible for non-specialists. Understanding evolution requires a solid grasp of above-population phenomena. Species are real biological individuals and abiotic factors impact the future course of evolution. Beyond observation, when the explanation of macroevolution is the goal, we need both evidence and theory that enable us to explain and interpret how life evolves at the grand scale.

TRAILBLAZING IN ENTREPRENEURSHIP

CREATING NEW PATHS FOR UNDERSTANDING THE FIELD

Springer This book is open access under a CC BY 4.0 license. In this book, the authors present a challenge for future research to build a stronger, more complete understanding of entrepreneurial phenomena. They argue that this more complete picture of entrepreneurial phenomena will likely come from scholars who undertake at least some trailblazing projects; from scholars who broaden the range of research questions, the potential outcomes of entrepreneurial action, and the selection and combination of research methods; and from researchers who avoid the endless debates about the margins of the field and its sub-fields or about whether one theoretical or philosophical lens is superior to another. This book offers suggestions for future research through a variety of topics including prosocial action, innovation, family business, sustainability and development, and the financial, social, and psychological costs of failure. It promises to make an important contribution to the development of the field and help academics, organizations, and society make useful contributions to the generation of entrepreneurial research.

MOLLISON'S BLOOD TRANSFUSION IN CLINICAL MEDICINE

John Wiley & Sons Mollison's Blood Transfusion in Clinical Medicine is an icon in the field of transfusion and the first edition was published in 1951. The book arose from the concept of the transfusionist, as both scientist and expert consultant. For many years, this text has provided the primary, and often the sole, reference for detailed information and practical experience in blood transfusion. The book is completely revised and updated throughout to include the latest advances and developments in the field.

ENCYCLOPEDIA OF MANAGEMENT THEORY

SAGE Publications In discussing a management topic, scholars, educators, practitioners, and the media often toss out the name of a theorist (Taylor, Simon, Weber) or make a sideways reference to a particular theory (bureaucracy, total quality management, groupthink) and move on, as if assuming their audience possesses the necessary background to appreciate and integrate the reference. This is often far from the case. Individuals are frequently forced to seek out a hodgepodge of sources varying in quality and presentation to provide an overview of a particular idea. This work is designed to serve as a core reference for anyone interested in the essentials of contemporary management theory. Drawing together a team of international scholars, it examines the global landscape of the key theories and the theorists behind them, presenting them in the context needed to understand their strengths and weaknesses to thoughtfully apply them. In addition to interpretations of long-established theories, it also offers essays on cutting-edge research as one might find in a handbook. And, like an unabridged dictionary, it provides concise, to-the-point definitions of key concepts, ideas, schools, and figures. Features and Benefits: Two volumes containing over 280 signed entries provide users with the most authoritative and thorough reference resources available on management theory, both in terms of breadth and depth of coverage. Standardized presentation format, organized into categories based on validity and importance, structures entries so that readers can assess the fundamentals, evolution, and impact of theories. To ease navigation between and among related entries, a Reader's Guide groups entries thematically and each entry is followed by Cross-References. In the electronic version, the Reader's Guide combines with the Cross-References and a detailed Index to provide robust search-and-browse capabilities. An appendix with a Chronology of Management Theory allows readers to easily chart directions and trends in thought and theory from early times to the present. An appendix with Central Management Insights allows readers to easily understand, compare, and apply major theoretical messages of the field. Suggestions for Further Reading at the end of each entry guide readers to sources for more detailed research and discussion. Key themes include: Nature of Management Managing People, Personality, and Perception Managing Motivation Managing Interactions Managing Groups Managing Organizations Managing Environments Strategic Management Human Resources Management International Management and Diversity Managerial Decision Making, Ethics, and Creativity Management Education, Research, and Consulting Management of Operations, Quality, and Information Systems Management of Entrepreneurship Management of Learning and Change Management of Technology and Innovation Management and Leadership Management and Social / Environmental Issues PLUS: Appendix of Chronology of Management Theory PLUS: Appendix of Central Management Insights

BIOLOGY OF GILA MONSTERS AND BEADED LIZARDS

Univ of California Press "This is the first comprehensive treatment of the biology of the Monstersauria in nearly 50 years, during which time our knowledge has increased dramatically. It gives the reader an unprecedented opportunity to understand the evolution, ecology, and behavior of gila monsters and beaded lizards, as well as insights into folklore, venom, and threats to the existence of these fabled animals."--William Cooper, Indiana University-Purdue University at Fort Wayne "Beck is the foremost authority on these animals and has published extensively on them. He provides a highly readable and fascinating summary of their biology."--Jonathan Campbell, author of *Venomous Reptiles of Latin America*

THE AMERICAN NATURALIST

TREE THINKING

AN INTRODUCTION TO PHYLOGENETIC BIOLOGY

Roberts & Company Baum and Smith, both professors evolutionary biology and researchers in the field of systematics, present this highly accessible introduction to phylogenetics and its importance in modern biology. Ever since Darwin, the evolutionary histories of organisms have been portrayed in the form of branching trees or "phylogenies." However, the broad significance of the phylogenetic trees has come to be appreciated only quite recently. Phylogenetics has myriad applications in biology, from discovering the features present in ancestral organisms, to finding the sources of invasive species and infectious diseases, to identifying our closest living (and extinct) hominid relatives. Taking a conceptual approach, *Tree Thinking* introduces readers to the interpretation of phylogenetic trees, how these trees can be reconstructed, and how they can be used to answer biological questions. Examples and vivid metaphors are incorporated throughout, and each chapter concludes with a set of problems, valuable for both students and teachers. *Tree Thinking* is must-have textbook for any student seeking a solid foundation in this fundamental area of evolutionary biology.

MECHANISM OF ACTION OF ANTIEUKARYOTIC AND ANTIVIRAL COMPOUNDS

Springer Science & Business Media When *Antibiotics I* was published in 1967, the teleological view was held by some that "antibiotics" were substances elaborated by certain microorganisms for the purpose of competing with other microorganisms for survival in mixed ecological environments. However, not only had J. EHRLICH and his associates shown 15 years earlier that chloramphenicol was produced by *Streptomyces venezuelae* in cultures of sterilized soils but not in parallel cultures of the same soils which were not sterilized, but operationally, the search for anti cancer antibiotics was actively under way (*Antibiotics I* reporting on numerous such substances), although the concept of antibiosis could not logically justify such undertakings. This editor hesitates to accept the use of the term "antibiotic" for anti microbial agents of non microbiological origins which is sometimes encountered, but neither does he subscribe to the view that antibiotics are in some fundamental manner different from chemotherapeutic substances of other origins. Modes and mechanisms of action of chemotherapeutic compounds are not systematic functions of their origins nor of the taxonomical position of the target organisms. Consequently, in the selection of topics for *Antibiotics III* (published in 1975), synthetic drugs and natural products of higher plants (alkaloids) were represented, along with antibiotics in the strict sense of the definition. We now present *Antibiotics V*, for whose assembly the same selection criteria were applied as for *Antibiotics III*. The aggregate length of the contributions rendered it impractical to place the entire text between the covers of one book.

BIOLOGY OF PARASITISM

Springer Science & Business Media *Biology of Parasitism* is based on the *Biology of Parasitism* Course at the Marine Biological Laboratory in Woods Hole, Massachusetts. Having just celebrated its 20th offering, this Course has distinguished itself as the premier, world-renowned training ground for future generations of parasitologists. The primary goal of the Course is to attract and introduce the very best and most promising young researchers to the many unresolved problems in parasitology and prepare them for their future as independent investigators in the field. The rigorous program combines state-of-the-art laboratory research with a program of visiting lecturers who bring together the most current research in the field. Since at this time there are no academic institutions that have enough depth in parasitology research or teaching faculty to provide up-to-date and state-of-the-art training, the Course has become, and will remain, a global resource for providing intensive education in modern parasitology. *Biology of Parasitism* is intended to present a snapshot of the content and spirit of the *Biology of Parasitism* Course. By presenting a series of chapters that reflect the formal lectures that students receive on a daily basis, as well as the approaches used during the laboratory section of the Course, the editors hope to share some of the science that occurs there. One part of the book presents the experimental component of the Course, in particular the subject matter of the four two-week sessions covering Immunology, Biochemistry, Cell Biology and Molecular Biology of protozoan and helminth parasites. As in the Course, the experimental part is complemented by a number of review-like chapters solicited from the large number of speakers who lecture during the Course.

UNDERSTANDING THE GLOBAL ENERGY CRISIS

Purdue University Press We are facing a global energy crisis caused by world population growth, an escalating increase in demand, and continued dependence on fossil-based fuels for generation. It is widely accepted that increases in greenhouse gas concentration levels, if not reversed, will result in major changes to world climate with consequential effects on our society and economy. This is just the kind of intractable problem that Purdue University's Global Policy Research Institute seeks to address in the *Purdue Studies in Public Policy* series by promoting the engagement between policy makers and experts in fields such as engineering and technology. Major steps forward in the development and use of technology are required. In order to achieve solutions of the required scale and magnitude within a limited timeline, it is essential that engineers be not only technologically-adept but also aware of the wider social and political issues that policy-makers face. Likewise, it is also imperative that policy makers liaise closely with the academic community in order to realize advances. This book is designed to bridge the gap between these two groups, with a particular

emphasis on educating the socially-conscious engineers and technologists of the future. In this accessibly-written volume, central issues in global energy are discussed through interdisciplinary dialogue between experts from both North America and Europe. The first section provides an overview of the nature of the global energy crisis approached from historical, political, and sociocultural perspectives. In the second section, expert contributors outline the technology and policy issues facing the development of major conventional and renewable energy sources. The third and final section explores policy and technology challenges and opportunities in the distribution and consumption of energy, in sectors such as transportation and the built environment. The book's epilogue suggests some future scenarios in energy distribution and use.

BLOOD-BRAIN BARRIER IN DRUG DISCOVERY

OPTIMIZING BRAIN EXPOSURE OF CNS DRUGS AND MINIMIZING BRAIN SIDE EFFECTS FOR PERIPHERAL DRUGS

John Wiley & Sons Focused on central nervous system (CNS) drug discovery efforts, this book educates drug researchers about the blood-brain barrier (BBB) so they can affect important improvements in one of the most significant – and most challenging – areas of drug discovery. • Written by world experts to provide practical solutions to increase brain penetration or minimize CNS side-effects • Reviews state-of-the-art *in silico*, *in vitro*, and *in vivo* tools to assess brain penetration and advanced CNS drug delivery strategies • Covers BBB physiology, medicinal chemistry design principles, free drug hypothesis for the BBB, and transport mechanisms including passive diffusion, uptake/efflux transporters, and receptor-mediated processes • Highlights the advances in modelling BBB pharmacokinetics and dynamics relationships (PK/PD) and physiologically-based pharmacokinetics (PBPK) • Discusses case studies of successful CNS and non-CNS drugs, lessons learned and paths to the market

HANDBOOK OF RESILIENCE IN CHILDREN

Springer Science & Business Media Today's children face a multitude of pressures, from the everyday challenges of life to the increasing threats of poverty, exploitation, and trauma. Central to growing up successfully is learning to deal with stress, endure hardships, and thrive despite adversity. Resilience – the ability to cope with and overcome life's difficulties – is a quality that can potentially be nurtured in all young people. The second edition of the *Handbook of Resilience in Children* updates and expands on its original focus of resilience in children who overcome adversity to include its development in those not considered at risk, leading to better outcomes for all children across the lifespan. Expert contributors examine resilience in relation to environmental stressors, as a phenomenon in child and adolescent disorders, and as a means toward positive adaptation into adulthood. New and revised chapters explore strategies for developing resilience in the family, the therapist's office, and the school as well as its nurturance in caregivers and teachers. Topics addressed include: Resilience in maltreated children and adults. Resilience and self-control impairment. Relational resilience in young and adolescent girls. Asset-building as an essential component of treatment. Assessment of social and emotional competencies related to resilience. Building resilience through school bullying prevention programs. Large-scale longitudinal studies on resilience. The second edition of the *Handbook of Resilience in Children* is a must-have reference for researchers, clinicians, allied practitioners and professionals, and graduate students in school and clinical psychology, education, pediatrics, psychiatry, social work, school counseling, and public health.

DRUG DELIVERY

Springer Science & Business Media In the view of most experts pharmacology is on drugs, targets, and actions. In the context the drug as a rule is seen as an active pharmaceutical ingredient and not as a complex mixture of chemical entities of a well defined structure. Today, we are becoming more and more aware of the fact that delivery of the active compound to the target site is a key. The present volume gives a topical overview on various modern approaches to drug targeting covering today's options for specific carrier systems allowing successful drug treatment at various sites of the body difficult to address and allowing to increase the benefit-risk-ratio to the optimum possible.

INNOVATION FOR SUSTAINABILITY

BUSINESS TRANSFORMATIONS TOWARDS A BETTER WORLD

Springer The aim of this edited book is to provide a comprehensive overview of the opportunities and challenges related to innovation for sustainability. Combining work from both emerging and established scholars in different academic fields, this book provides an integrated understanding of the topic from four perspectives. First, the big picture: frameworks, types, and drivers; second, strategy and leadership; third, measurement and assessment and fourth, tools, methods and technologies. Chapter 11 of this book is available open access under a CC BY 4.0 license at link.springer.com. The editors donate their remuneration for this book to conservation organisation the WWF.

ACTIVE ASSESSMENT: ASSESSING SCIENTIFIC INQUIRY

Springer Science & Business Media The term scientific inquiry as manifest in different educational settings covers a wide range of diverse activities. The differences in types of scientific inquiry can be organized along a continuum according to the degree of teacher control and intellectual sophistication involved in each type of inquiry. Types of scientific inquiry can also be defined according to whether they produce cultural knowledge or personal knowledge. Authentic scientific inquiry is defined according to five characteristics: development of personal and cultural knowledge; contextualized scientific knowledge; the progression toward high-order problem solving; social interaction for scientific goals; and scientific inquiry as a multi-stage and multi-representational process. The definition of scientific inquiry that forms the basis for the development of an assessment program consists of a two-part analytical frame: the definition of knowledge types relevant to scientific inquiry and the definition of an organizational frame for these knowledge types. Four types of knowledge are significant for the definition of a specific scientific inquiry program: cognitive knowledge, physical

knowledge, representational knowledge, and presentational knowledge. All four of these knowledge types are considered significant. These four types of knowledge are organized in a framework that consists of two intersecting axes: the axis of knowledge types and the axis of stages of a scientific inquiry. This framework describes scientific inquiry as a multi-stage process that involves the development of a series of in-lab outcomes (representations) over an extended period of time.

SYMBIOTIC INTERACTION

5TH INTERNATIONAL WORKSHOP, SYMBIOTIC 2016, PADUA, ITALY, SEPTEMBER 29-30, 2016, REVISED SELECTED PAPERS

Springer This book is published open access under a CC BY license. This book constitutes the proceedings of the 5th International Workshop on Symbiotic Interaction, Symbiotic 2016, held in Padua, Italy, in October 2016. The 12 full papers and 3 short papers presented in this volume were carefully reviewed and selected from 23 submissions. The idea of symbiotic systems put forward in this workshop capitalizes on the computers' ability to implicitly detect the users goals, preferences or/and psycho-physiological states and thereby enhancing human-computer interaction (HCI). The papers present an overview of the symbiotic relationships between humans and computers with emphasis on user-driven research on symbiotic systems, adaptive systems, implicit input data, physiological computing and BCI, but also on understanding the nature of the interdependence and agency between computers and humans more broadly.

TERRAIN ANALYSIS

PRINCIPLES AND APPLICATIONS

John Wiley & Sons The only reference on the use of GIS and related technologies in terrain analysis In this landmark publication, reflecting the collaborative effort of thirteen research groups based in four countries, leading experts detail how GIS and related technologies, such as GPS and remote sensing, are now being used, with the aid of computer modeling, in terrain analysis. Continuing the innovative work of Professor Ian Moore, a visionary who saw terrain analysis as a robust method for modeling the large areas and complex spatial patterns of environmental systems, *Terrain Analysis* puts into action TAPES, or Terrain Analysis Programs for Environmental Sciences, Dr. Moore's innovative tool for terrain analysis. The book's contributors describe how TAPES are applied to specific geomorphologic problems, explain the algorithms used in current terrain analysis software, and examine the interpretation and use of terrain attributes in predictive models. With expert coverage of terrain analysis in the digital age, *Terrain Analysis* will be welcomed by ecologists, environmental engineers, geographers, and hydrologists who increasingly depend on GIS, GPS, and remote sensing.

ANTHROPOMETRY AND BIOMECHANICS

THEORY AND APPLICATION

Springer Science & Business Media Assessment of the physical dimensions of the human body and application of this knowledge to the design of tools, equipment, and work are certainly among the oldest arts and sciences. It would be an easy task if all anthropometric dimensions, of all people, would follow a general rule. Thus, philosophers and artists embedded their ideas about the most aesthetic proportions into ideal schemes of perfect proportions. "Golden sections" were developed in ancient India, China, Egypt, and Greece, and more recently by Leonardo DaVinci, or Albrecht Durer. However, such canons are fictive since actual human dimensions and proportions vary greatly among individuals. The different physical appearances often have been associated with mental, physiological and behavioral characteristics of the individuals. Hypocrates (about 460-377 BC) taught that there are four temperaments (actually, body fluids) represented by four body types. The psychiatrist Ernst Kretschmer (1888-1964) proposed that three typical somatotypes (pyknic, athletic, asthenic) could reflect human character traits. Since the 1940's, W. H. Sheldon and his coworkers devised a system of three body physiques (endo-, meso-, ectomorphic). The classification was originally qualitative, and only recently has been developed to include actual measurements.

RETINAL VASCULAR DISEASE

Springer Science & Business Media Vascular diseases of the retina are a major cause of blindness among all age groups. Edited and written by internationally well-known experts, this state-of-the-art comprehensive overview of basic and clinical science will enhance the understanding of retinal vascular disease and help in the evaluation of current and future treatment approaches for the clinician. The well-structured and highly illustrated text is divided into three easy-to-follow sections. This unique textbook-atlas also includes topics which are not currently found in other retinal disease textbooks, such as case reports and clinical follow-ups.

METACOGNITION IN LANGUAGE LEARNING AND TEACHING (OPEN ACCESS)

Routledge The Open Access version of this book, available at <https://www.taylorfrancis.com/books/e/9781351049139>, has been made available under a Creative Commons Attribution-Non Commercial-No Derivatives 4.0 license. This volume offers an exhaustive look at the latest research on metacognition in language learning and teaching. While other works have explored certain notions of metacognition in language learning and teaching, this book, divided into theoretical and empirical chapters, looks at metacognition from a variety of perspectives, including metalinguistic and multilingual awareness, and language learning and teaching in L2 and L3 settings, and explores a range of studies from around the world. This allows the volume to highlight a diverse set of methodological approaches, including blogging, screen recording software, automatic translation programs, language corpora, classroom interventions, and interviews, and subsequently, to demonstrate the value of metacognition research and how insights from such findings can contribute to a greater understanding of language learning and language teaching processes more generally. This

innovative collection is an essential resource for students and scholars in language teaching pedagogy, and applied linguistics.

APPLIED ELECTROCHEMISTRY

Walter de Gruyter GmbH & Co KG This book introduces the main aspects of modern applied electrochemistry. Starting with the basics of electrochemical kinetics, the authors address the chemistry and types of corrosion, principles of electro- and biocatalysis, electrodeposition and its applications in industrial processes. The book later discusses the electrochemistry and photoelectrochemistry of semiconductors and their applications in solar energy conversion and photocatalysis.

THE BASICS OF CHEMISTRY

Greenwood Publishing Group This book covers the basic concepts found in introductory high-school and college chemistry courses.

THE EVOLUTION OF MULTICELLULARITY

CRC Press This book examines the origins and subsequent evolution of multicellularity. The transition from unicellular to multicellular life was one of a few major events in the history of life that created new opportunities for more complex biological systems to evolve.

A DICTIONARY OF LANGUAGE ACQUISITION: A COMPREHENSIVE OVERVIEW OF KEY TERMS IN FIRST AND SECOND LANGUAGE ACQUISITION

A COMPREHENSIVE OVERVIEW OF KEY TERMS IN FIRST AND SECOND LANGUAGE ACQUISITION

Rahnama Press The function of "A dictionary of language acquisition: A comprehensive overview of key terms in first and second language acquisition" is to collect and synthesize the knowledge base that is already well accepted and that has been well researched. Thus, it is a reference guide which offers an authoritative and encyclopedic survey of key terms and concepts in the areas of language acquisition and development. The volume is intended as a resource to elucidate various concepts, issues, approaches, models, and theories of language acquisition in an efficient and accessible style. This book makes use of approximately 1000 alphabetical entries with cross references where necessary. This volume is designed to appeal to undergraduate and graduate students, teachers, lecturers, practitioners, researchers, consultants, and consumers of information across the field of both first and second language acquisition.

APPLIED GEOCHEMISTRY

ADVANCES IN MINERAL EXPLORATION TECHNIQUES

Applied Geochemistry: Advances in Mineral Exploration Techniques is a book targeting all levels of exploration geologists, geology students and geoscientists working in the mining industry. This reference book covers mineral exploration techniques from multiple dimensions, including the application of statistics - both principal component analysis and factor analysis - to multifractal modeling. The book explains these approaches step-by-step and gives their limitations. In addition to techniques and applications in mineral exploration, Applied Geochemistry describes mineral deposits and the theories underpinning their formation through worldwide case studies. Includes both conventional and nonconventional techniques for mineral exploration, including lithogeochemical methods Highlights the importance and applications of multifractal models, 3D - mineral prospectivity modeling Features case studies from mines and mineral exploration ventures around the world

POULTRY GENETICS, BREEDING, AND BIOTECHNOLOGY

CABI This comprehensive research book represents the first complete integration of current knowledge in this area. It addresses issues associated with poultry breeding particularly by examining quantitative and molecular genetics and the uses of transgenic technology. A special section covers the important area of disease resistance and transmission.

FORECASTING AND MANAGEMENT OF TECHNOLOGY

John Wiley & Sons Consistently practical in its coverage, the book discusses general issues related to forecasting and management; introduces a variety of methods, and shows how to apply these methods to significant issues in managing technological development. With numerous exhibits, case studies and exercises throughout, it requires only basic mathematics and includes a special technology forecasting TOOLKIT for the IBM and compatibles, along with full instructions for installing and running the program.

KNOWLEDGE-BASED SOCIAL ENTREPRENEURSHIP

UNDERSTANDING KNOWLEDGE ECONOMY, INNOVATION, AND THE FUTURE OF SOCIAL ENTREPRENEURSHIP

Springer Social entrepreneurship is on the rise and social enterprises are solving some of the most critical and enduring social problems by using innovative, pragmatic and sustainable business models. Access to knowledge thanks to the Internet and rapid expansion of the knowledge economy are opening new opportunities for social ventures. With knowledge-based social entrepreneurship where knowledge is the primary resource, more pressing social problems can be addressed by using advanced technologies. This book investigates this emerging concept, possibilities that it holds, its place in today's economy, and links bridges between knowledge, innovation, and social entrepreneurship. Academics, entrepreneurs, students, and NGOs will find the theoretical and practical information presented in this book extremely valuable.

FERRET MEDICINE AND SURGERY

CRC Press The text is currently the most up-to-date book on ferret medicine and as such, would be an important addition to the library

of veterinary practices seeing these lively, curious and fun-loving pets. Aidan Raftery, *Veterinary Record* 17 March 2018 Ferrets are becoming increasingly popular as pets, rivalling rabbits as the third most favoured domestic pet after dogs and cats. *Ferret Medicine and Surgery* discusses the veterinary aspects of this incredible little creature. The book covers ferret medicine and common surgeries, providing a comprehensive reference for the veterinary practitioner. Each chapter of disorders is designed to be inclusive and includes cross references to other chapters throughout as well as some highlights of anatomy and physiology as a review. The format allows easy access to information providing answers to problems that arise in practice. Thoroughly illustrated with high-quality photographs and line drawings, the book is designed to provide quick, concise information of immediate use to the practitioner.

DISCIPLINE-BASED EDUCATION RESEARCH

UNDERSTANDING AND IMPROVING LEARNING IN UNDERGRADUATE SCIENCE AND ENGINEERING

National Academies Press The National Science Foundation funded a synthesis study on the status, contributions, and future direction of discipline-based education research (DBER) in physics, biological sciences, geosciences, and chemistry. DBER combines knowledge of teaching and learning with deep knowledge of discipline-specific science content. It describes the discipline-specific difficulties learners face and the specialized intellectual and instructional resources that can facilitate student understanding. *Discipline-Based Education Research* is based on a 30-month study built on two workshops held in 2008 to explore evidence on promising practices in undergraduate science, technology, engineering, and mathematics (STEM) education. This book asks questions that are essential to advancing DBER and broadening its impact on undergraduate science teaching and learning. The book provides empirical research on undergraduate teaching and learning in the sciences, explores the extent to which this research currently influences undergraduate instruction, and identifies the intellectual and material resources required to further develop DBER. *Discipline-Based Education Research* provides guidance for future DBER research. In addition, the findings and recommendations of this report may invite, if not assist, post-secondary institutions to increase interest and research activity in DBER and improve its quality and usefulness across all natural science disciplines, as well as guide instruction and assessment across natural science courses to improve student learning. The book brings greater focus to issues of student attrition in the natural sciences that are related to the quality of instruction. *Discipline-Based Education Research* will be of interest to educators, policy makers, researchers, scholars, decision makers in universities, government agencies, curriculum developers, research sponsors, and education advocacy groups.

HANDBOOK OF RESEARCH ON DIGITAL VIOLENCE AND DISCRIMINATION STUDIES

Information Science Reference Focuses on digital violence and discrimination, cybercrime, digital transformation, and practices and studies related to digital violence. The book introduces and guides users through current best practices, laboratory methods, policies, protocols, and more within international digital violence and discrimination.

BIOELECTRONICS

FROM THEORY TO APPLICATIONS

John Wiley & Sons Medicine, chemistry, physics and engineering stand poised to benefit within the next few years from the ingenuity of complex biological structures invented and perfected by nature over millions of years. This book provides both researchers and engineers as well as students of all the natural sciences a vivid insight into the world of bioelectronics and nature's own nanotechnological treasure chamber.

HUMAN RESOURCE MANAGEMENT, INNOVATION AND PERFORMANCE

Palgrave Macmillan Human Resource Management, Innovation and Performance investigates the relationship between HRM, innovation and performance. Taking a multi-level perspective the book reflects critically on contentious themes such as high performance work systems, organizational design options, cross-boundary working, leadership styles and learning at work.

AVIAN SUBSPECIES

CREATIVE PROBLEM SOLVING FOR MANAGERS

Routledge This accessible text provides a lively introduction to the essential skills of creative problem solving. Using extensive case-studies and examples from a range of business situations, it explores various problem-solving theories and techniques, illustrating how these can be used to solve a range of management problems. Thoroughly revised and redesigned, this new edition retains the accessible and imaginative approach to problem-solving skills of the first edition. Contents include: * blocks to creativity and how to overcome them * key techniques including lateral thinking, morphological analysis and synectics * computer-assisted problem solving * increased coverage of group problem-solving techniques and paradigm shift. As creativity is increasingly recognized as a key skill for successful managers, this book will be welcomed as a comprehensive introduction for students and practising managers alike.

SMALL FIRM GROWTH

Now Publishers Inc Small Firm Growth comprehensively reviews the empirical literature on small firm growth to highlight and integrate what is known about this phenomenon and take stock of what past experiences of researching this area implies for how the phenomenon can or should be studied in future research.