Classification Taxonomy Systematics Review Answers

Plant Taxonomy Systematics and Taxonomy of Australian Birds **Birds of New Guinea Systematics and Taxonomy of Australian Birds Cladistics Finding What Works in Health Care** Taxonomy in Europe *Organizational Systematics--taxonomy, Evolution, Classification* **Vertebrate Biology The New Taxonomy Science as a Process** Descriptive Taxonomy Framework for the use of systematic review in chemical risk assessment **Plant Systematics Cochrane Handbook for Systematic Reviews of Interventions Vascular Plant Taxonomy Morphology and Systematics (Elateroidea, Bostrichiformia, Cucujiformia partim)** Making Literature Reviews Work: A Multidisciplinary Guide to Systematic Approaches Validity and Inter-Rater Reliability Testing of Quality Assessment Instruments **Piecing Together Systematic Reviews and Other Evidence Syntheses Applied Microbial Systematics Climate Change, Ecology and Systematics** Library of Congress Subject Headings **South Asian Mammals Library of Congress Subject Headings** Plant Systematics **New World Tarantulas Annual Review of Ecology and Systematics** Mammalian Evolution, Diversity and Systematics **Trends in the Systematics of Bacteria and Fungi** *EBOOK: Mental Health And Well Being In Later Life* **Index-catalogue of Medical and Veterinary Zoology** Enterprise Resource Planning: Concepts, Methodologies, Tools, and Applications *Ontology-Based Applications for Enterprise Systems and Knowledge Management Biological Systematics: The State of the Art* Systematics, Evolution, and Ecology of Melastomataceae **Computer Programs for the Ordination and Classification of Ecosystems** *Pesticides Documentation Bulletin Molecular Systematics of Plants II* **Phylogenetic Systematics**

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Mammalian Evolution, Diversity and Systematics Jun 10 2020 There are nearly 6,000 mammalian species, among them our own. Research on our evolutionary cousins has a long history, but the last 20 years have seen particularly rapid progress in disentangling the interrelationships and evolutionary history of mammals. The present volume combines up-to-date reviews on mammalian phylogenetics with paleontological, taxonomic and evolutionary chapters and also summarizes the historical development of our insights in mammalian relationships, and thus our own place in the Tree of Life. Our book places the present biodiversity crisis in context, with one in four mammal species threatened by extinction, and reviews the distribution and conservation of mammalian diversity across the globe. This volume is the introductory tome to the new Mammalia series of the Handbook of Zoology and will be essential reading for mammalogists, zoologists and conservationists alike.

Vertebrate Biology Feb 28 2022 Arranged logically to follow the most widely adopted course structure, this text will leave students with a full understanding of the unique structure, function, and living patterns of all vertebrates.

Morphology and Systematics (Elateroidea, Bostrichiformia, Cucujiformia partim) Jun 22 2021 Dieses

Buch ist der zweite von vier Bänden der Reihe Handbuch der Zoologie zur Systematik und Biologie der Coleoptera. Mit ca. 350.000 beschriebenen Spezies sind die Coleoptera die bei Weitem reichste Ordnung und die größte Gruppe von Tieren mit vergleichbarem geologischem Alter. Die Käfer-Bände des HdZ bieten modernen Biologen Antworten auf Fragen zur Phylogenese, Evolution und Ökologie der Coleoptera. Der zweite Coleoptera-Band umfasst alle nicht im ersten Band behandelten Polyphaga-Taxa (außer Phytophaga) sowie erst kürzlich beschriebene Gruppen mit Informationen zur weltweiten Verbreitung, Biologie, Morphologie aller Lebensabschnitte (einschließlich Anatomie), Phylogenese und Erläuterungen zur Taxonomie. Umfassender Überblick neueste Informationen

Systematics, Evolution, and Ecology of Melastomataceae Nov 03 2019 This book presents a synthesis of critical new information for the Melastomataceae, one of the ten richest families among flowering plants with over 5,800 species that has its diversity highly concentrated in tropical or subtropical areas. It describes the family's global diversity and distribution and summarizes recent advances in systematics, evolution, biogeography, reproductive biology and ecology.

Taxonomy in Europe May 02 2022

Ontology-Based Applications for Enterprise Systems and Knowledge Management Jan 06 2020 "This book provides an opportunity for readers to clearly understand the notion of ontology engineering and the practical aspects of this approach in the domains of two interest areas: Knowledge Management Systems and Enterprise Systems"--

Plant Systematics Sep 13 2020 The focus of the present edition has been to further consolidate the information on the principles of plant systematic, include detailed discussion on all major systems of classification, and significantly, also include discussion on the selected families of vascular plants, without sacrificing the discussion on basic principles. The families included for discussion are largely those which have wide representation, as also those that are less known but significant in evaluating the phylogeny of angiosperms. The discussion of the families also has a considerable focus on their phylogenetic relationships, as evidenced by recent cladistic studies, with liberal citation of molecular data. Several additional families have been included for detailed discussion in the present volume.

Systematics and Taxonomy of Australian Birds Oct 07 2022 Lists all those species of birds that have been recorded from the Australian mainland, Tasmania, island territories and surrounding waters. Based on theauthors' original book The Taxonomy and Species of Birds of Australia and its Territories, it includes any new species for which records have been accepted by the Records Appraisal Committee of Birds Australia. It also includes all extant and recently extinct (post-1800) native species, as well as new species, accepted vagrants and introduced species that have become established and continue to survive in the wild.

Library of Congress Subject Headings Dec 17 2020

Birds of New Guinea Sep 06 2022 "Gazetteer of New Guinea ornithology [by] Jennifer L. Mandeville and William S. Peckover": pages 560-632.

The New Taxonomy Jan 30 2022 Finalist for 2009 The Council on Botanical & Horticultural Libraries Literature Award! A Fresh Look at Taxonomy The most fundamental of all biological sciences, taxonomy underpins any long term strategies for reconstructing the great tree of life or salvaging as much biodiversity as possible. Yet we are still unable to say with any certainty how many species are living on the earth. The New Taxonomy describes how a confluence of theory, cyberinfrastructure, and international teamwork can meet this unprecedented research challenge and marks an emerging field, cybertaxonomy. Taxonomy Meets the Challenges of the Biodiversity Crisis An in-depth discussion of the future of descriptive taxonomy, the book examines the efforts of several international groups to catalog the world's biodiversity and make it accessible. An answer to Julien Huxley's The New Systematics, the book marks the beginning of an upward trajectory of taxonomy to meet the unprecedented challenges of the biodiversity crisis. Contemporary taxonomists reclaim the unique mission, goals, and importance of taxonomy as an independent science. They cover technologies such as DNA evidence and its applications, computer-assisted species identification, digital morphology, and E-typification. The book also provides insight into effective ways of organizing taxonomic information and discusses what benefits can be leveraged from a rapid growth of taxonomic knowledge. A Vision and A Strategy for the Future Not much has changed since E.O. Wilson pointed out how little we know of Earth's species in 1985. This book offers a vision and a strategy for changing all that. The first current, unapologetic look at morphology and descriptive taxonomy that points out their incredible importance to science and society, this book frames one of the most constructive responses to biodiversity

crises. It is a call to action for the taxonomy and museum communities to come together and to organize, plan, innovate, and initiate the most ambitious period of exploration in the long history of taxonomy.
Trends in the Systematics of Bacteria and Fungi May 10 2020 Methods in microbial systematics have developed and changed significantly in the last 40 years. This has resulted in considerable change in both the defining microbial species and the methods required to make reliable identifications. Developments in information technology have enabled ready access to vast amounts of new and historic data online. Establishing both the relevance, and the most appropriate use, of this data is now a major consideration when undertaking identifications and systematic research. This book provides some insights into how current methods and resources are being used in microbial systematics, together with some thoughts and suggestions as to how both methodologies and concepts may develop in the future.
South Asian Mammals Nov 15 2020 Until now, information on mammals in South Asia has never been brought together on a single platform providing all?inclusive knowledge on the subject. This book is the most up?to?date comprehensive resource on the mammalian diversity of South Asia. It offers information on the diversity, distribution and status of 504 species of terrestrial and aquatic mammals found in Afghanistan, Bangladesh, Bhutan, India, Maldives, Nepal, Pakistan and Sri Lanka. This work is unique being the first of its kind that deals with diversity and distribution at the subspecies level. The book is divided in to three chapters. Chapter 1 introduces the subject and takes off from the recent works on mammals at the global level, provides an historical perspective on mammal studies in South Asia and concludes with a note on recent phylogenetic changes at supraordinal levels. Chapter 2 summarizes the information on the diversity of South Asian Mammals, provides analysis by country of mammalian diversity (supported by data in tabular form) dealing with species richness, endemism and possibly occurring species, separate analysis for each country with details on endemic and threatened species, extinct mammals, domestic mammals, and finally the IUCN status of mammals with special emphasis on threatened mammals. Chapter 3 is a comprehensive checklist that provides information on each species, including its scientific name, type details, standardized English name, synonyms, subspecies, distribution and comments on taxonomic status. Country?wise listings and analysis of species richness with emphasis on subspecies distribution Most of the analysis is supported by data in tabular forms for better understanding Notes on extinct and domesticated mammals as well as their IUCN Red List Status with criteria for such status A very comprehensive bibliography that would help readers track down specific literature ?
Phylogenetic Systematics Jun 30 2019 Phylogenetic Systematics, first published in 1966, marks a turning point in the history of systematic biology. Willi Hennig's influential synthetic work, arguing for the primacy of the phylogenetic system as the general reference system in biology, generated significant controversy and opened possibilities for evolutionary biology that are still being explored.
Cladistics Jul 04 2022 This new edition of a foundational text presents a contemporary review of cladistics, as applied to biological classification. It provides a comprehensive account of the past fifty years of discussion on the relationship between classification, phylogeny and evolution. It covers cladistics in the era of molecular data, detailing new advances and ideas that have emerged over the last twenty-five years. Written in an accessible style by internationally renowned authors in the field, readers are straightforwardly guided through fundamental principles and terminology. Simple worked examples and easy-to-understand diagrams also help readers navigate complex problems that have perplexed scientists for centuries. This practical guide is an essential addition for advanced undergraduates, postgraduates and researchers in taxonomy, systematics, comparative biology, evolutionary biology and molecular biology.
Annual Review of Ecology and Systematics Jul 12 2020
Systematics and Taxonomy of Australian Birds Aug 05 2022 Systematics and Taxonomy of Australian Birds presents an up-to-date classification of Australian birds. Building on the authors' 1994 book, The Taxonomy and Species of Birds of Australia and its Territories, it incorporates the extensive volume of relevant systematic work since then. The findings of these studies are summarised and evaluated in the explanations for the taxonomic treatments adopted, and with the extensive citations, the book serves as a comprehensive introduction to the recent systematic literature of Australian birds. All species of birds that have been recorded from the Australian mainland, Tasmania, island territories and surrounding waters are treated and listed. Along with extant native species, all accepted vagrants, recently extinct (since 1800) native species and established introduced species are included.
Making Literature Reviews Work: A Multidisciplinary Guide to Systematic Approaches May 22 2021 This

textbook guides the reader on how to undertake high-quality literature reviews, from traditional narrative to protocol-driven reviews. The guidance covers a broad range of purposes, disciplines and research paradigms. Whether the literature review is part of a research project, doctoral study, dissertation or a stand-alone study, the book offers approaches, methods, tools, tips and guidelines to produce more effective literature reviews in an efficient manner. The numerous examples are drawn from an array of subject areas, such as economics, healthcare, education, medicine, psychology, software engineering amongst others. This makes it worthwhile for a wide range of studies and for reviews into evidence-based interventions, policies, practices and treatments. There is attention given to presenting, reporting and publishing literature reviews. With the additional clarity brought about by explanatory tables and graphs, this textbook is a 'must-have' for all students, researchers, academics and practitioners at any stage of their project or career when engaging with literature. In addition, citizens, policymakers and practitioners will benefit from the guidance with better insight into how literature reviews could and should have been conducted.

New World Tarantulas Aug 13 2020 The Theraphosidae are the most famous and diverse mygalomorph spiders, and include some of the largest arachnids on earth. Their unique defense mechanisms, predatory tactics, reproductive strategies and ecological adaptations are displayed by a wide range of terrestrial, burrowing and arboreal species. These arachnids are familiar to the general public thanks to horror movies and a growing interest in tarantulas as pets; however, scientific information on the group is scattered throughout the literature and not easily available. This book reviews all major aspects of New World Theraphosid tarantulas and provides in-depth information on their evolution, taxonomy, behavior, physiology, ecology, reproduction, conservation and biogeography. As a comprehensive guide to the biology of tarantulas, it will appeal to researchers, students and terrarium hobbyists alike.

Applied Microbial Systematics Feb 16 2021 Modern approaches to microbial classification and identification, particularly those based on nucleic acid analysis, have raised the awareness and interest of microbiologists in systematics during the past decade. The extended scope of the subject has revolutionized microbial ecology with the demonstration of uncultivable microorganisms as a major component of the biosphere and evolution, with the ribosomal RNA phylogenetic tree as the basis of current classifications. However, advances in microbial systematics have also had enormous impact on other, diverse aspects of microbiology such as animal pathogenicity, plant-microbe interactions and relationships with food. In this book, we survey and discuss in depth the contribution of modern taxonomic approaches to our understanding of the microbiology of these various systems. The book does not concentrate on methods - these have been well reported elsewhere - instead it provides a unique insight into the application and value of modern systematics in diverse branches of microbiology. It will be of value to microbiologists at both research and technical levels who need to appreciate the range of organisms with which they work and the diversity within them. It will also be of value to teachers and students of microbiology courses who want to understand how systematics can enhance microbiology beyond the routine of classification, nomenclature, and identification.

Enterprise Resource Planning: Concepts, Methodologies, Tools, and Applications Feb 05 2020 The design, development, and use of suitable enterprise resource planning systems continue play a significant role in ever-evolving business needs and environments. Enterprise Resource Planning: Concepts, Methodologies, Tools, and Applications presents research on the progress of ERP systems and their impact on changing business needs and evolving technology. This collection of research highlights a simple framework for identifying the critical factors of ERP implementation and statistical analysis to adopt its various concepts. Useful for industry leaders, practitioners, and researchers in the field.

Index-catalogue of Medical and Veterinary Zoology Mar 08 2020

Plant Taxonomy Nov 08 2022 The field of plant taxonomy has transformed rapidly over the past fifteen years, especially with regard to improvements in cladistic analysis and the use of new molecular data. The second edition of this popular resource reflects these far-reaching and dramatic developments with more than 3,000 new references and many new figures. Synthesizing current research and trends, Plant Taxonomy now provides the most up-to-date overview in relation to monographic, biodiversity, and evolutionary studies, and continues to be an essential resource for students and scholars. This text is divided into two parts: Part 1 explains the principles of taxonomy, including the importance of systematics, characters, concepts of categories, and different approaches to biological classification. Part 2 outlines the different types of data used in plant taxonomic studies with suggestions on their efficacy and modes of presentation and evaluation. This section also lists the equipment and financial resources required for gathering each type of data.

References throughout the book illuminate the historical development of taxonomic terminology and philosophy while citations offer further study. Plant Taxonomy is also a personal story of what it means to be a practicing taxonomist and to view these activities within a meaningful conceptual framework. Tod F. Stuessy recalls the progression of his own work and shares his belief that the most creative taxonomy is done by those who have a strong conceptual grasp of their own research.

Biological Systematics: The State of the Art Dec 05 2019 Biological Systematics provides a critical overview of the state of the art in biological systematics and presents a broad perspective of the subject, covering its history, theory and practice. The most improtant current theoretical issues are reviewed with the emphasis on the species concept, the methodology of phylogenetic reconstruction and contrasting views on the relationships between phylogenetics and systematics. A large part of the book is devoted to a review of the current state of taxonomy of the main groups, concluding with a discussion of evolutionary patterns.

Computer Programs for the Ordination and Classification of Ecosystems Oct 03 2019

Finding What Works in Health Care Jun 03 2022 Healthcare decision makers in search of reliable information that compares health interventions increasingly turn to systematic reviews for the best summary of the evidence. Systematic reviews identify, select, assess, and synthesize the findings of similar but separate studies, and can help clarify what is known and not known about the potential benefits and harms of drugs, devices, and other healthcare services. Systematic reviews can be helpful for clinicians who want to integrate research findings into their daily practices, for patients to make well-informed choices about their own care, for professional medical societies and other organizations that develop clinical practice guidelines. Too often systematic reviews are of uncertain or poor quality. There are no universally accepted standards for developing systematic reviews leading to variability in how conflicts of interest and biases are handled, how evidence is appraised, and the overall scientific rigor of the process. In Finding What Works in Health Care the Institute of Medicine (IOM) recommends 21 standards for developing high-quality systematic reviews of comparative effectiveness research. The standards address the entire systematic review process from the initial steps of formulating the topic and building the review team to producing a detailed final report that synthesizes what the evidence shows and where knowledge gaps remain. Finding What Works in Health Care also proposes a framework for improving the quality of the science underpinning systematic reviews. This book will serve as a vital resource for both sponsors and producers of systematic reviews of comparative effectiveness research.

Pesticides Documentation Bulletin Sep 01 2019

Vascular Plant Taxonomy Jul 24 2021

Library of Congress Subject Headings Oct 15 2020

Framework for the use of systematic review in chemical risk assessment Oct 27 2021

Cochrane Handbook for Systematic Reviews of Interventions Aug 25 2021 The revised edition of the Handbook offers the only guide on how to conduct, report and maintain a Cochrane Review The second edition of The Cochrane Handbook for Systematic Reviews of Interventions contains essential guidance for preparing and maintaining Cochrane Reviews of the effects of health interventions. Designed to be an accessible resource, the Handbook will also be of interest to anyone undertaking systematic reviews of interventions outside Cochrane, and many of the principles and methods presented are appropriate for systematic reviews addressing research questions other than effects of interventions. This fully updated edition contains extensive new material on systematic review methods addressing a wide-range of topics including network meta-analysis, equity, complex interventions, narrative synthesis, and automation. Also new to this edition, integrated throughout the Handbook, is the set of standards Cochrane expects its reviews to meet. Written for review authors, editors, trainers and others with an interest in Cochrane Reviews, the second edition of The Cochrane Handbook for Systematic Reviews of Interventions continues to offer an invaluable resource for understanding the role of systematic reviews, critically appraising health research studies and conducting reviews.

Validity and Inter-Rater Reliability Testing of Quality Assessment Instruments Apr 20 2021 The internal validity of a study reflects the extent to which the design and conduct of the study have prevented bias(es). One of the key steps in a systematic review is assessment of a study's internal validity, or potential for bias. This assessment serves to: (1) identify the strengths and limitations of the included studies; (2) investigate, and potentially explain heterogeneity in findings across different studies included in a systematic review; and (3) grade the strength of evidence for a given question. The risk of bias assessment directly informs one of

four key domains considered when assessing the strength of evidence. With the increase in the number of published systematic reviews and development of systematic review methodology over the past 15 years, close attention has been paid to the methods for assessing internal validity. Until recently this has been referred to as “quality assessment” or “assessment of methodological quality.” In this context “quality” refers to “the confidence that the trial design, conduct, and analysis has minimized or avoided biases in its treatment comparisons.” To facilitate the assessment of methodological quality, a plethora of tools has emerged. Some of these tools were developed for specific study designs (e.g., randomized controlled trials (RCTs), cohort studies, case-control studies), while others were intended to be applied to a range of designs. The tools often incorporate characteristics that may be associated with bias; however, many tools also contain elements related to reporting (e.g., was the study population described) and design (e.g., was a sample size calculation performed) that are not related to bias. The Cochrane Collaboration recently developed a tool to assess the potential risk of bias in RCTs. The Risk of Bias (ROB) tool was developed to address some of the shortcomings of existing quality assessment instruments, including over-reliance on reporting rather than methods. Several systematic reviews have catalogued and critiqued the numerous tools available to assess methodological quality, or risk of bias of primary studies. In summary, few existing tools have undergone extensive inter-rater reliability or validity testing. Moreover, the focus of much of the tool development or testing that has been done has been on criterion or face validity. Therefore it is unknown whether, or to what extent, the summary assessments based on these tools differentiate between studies with biased and unbiased results (i.e., studies that may over- or underestimate treatment effects). There is a clear need for inter-rater reliability testing of different tools in order to enhance consistency in their application and interpretation across different systematic reviews. Further, validity testing is essential to ensure that the tools being used can identify studies with biased results. Finally, there is a need to determine inter-rater reliability and validity in order to support the uptake and use of individual tools that are recommended by the systematic review community, and specifically the ROB tool within the Evidence-based Practice Center (EPC) Program. In this project we focused on two tools that are commonly used in systematic reviews. The Cochrane ROB tool was designed for RCTs and is the instrument recommended by The Cochrane Collaboration for use in systematic reviews of RCTs. The Newcastle-Ottawa Scale is commonly used for nonrandomized studies, specifically cohort and case-control studies.

Molecular Systematics of Plants II Aug 01 2019 In the five years since the publication of Molecular Systematics of Plants, the field of molecular systematics has advanced at an astonishing pace. This period has been marked by a volume of new empirical data and advances in theoretical and analytical issues related to DNA. Comparative DNA sequencing, facilitated by the amplification of DNA via the polymerase chain reaction (PCR), has become the tool of choice for molecular systematics. As a result, large portions of the Molecular Systematics of Plants have become outdated. Molecular Systematics of Plants II summarizes these recent achievements in plant molecular systematics. Like its predecessor, this completely revised work illustrates the potential of DNA markers for addressing a wide variety of phylogenetic and evolutionary questions. The volume provides guidance in choosing appropriate techniques, as well as appropriate genes for sequencing, for given levels of systematic inquiry. More than a review of techniques and previous work, Molecular Systematics of Plants II provides a stimulus for developing future research in this rapidly evolving field. Molecular Systematics of Plants II is not only written for systematists (faculty, graduate students, and researchers), but also for evolutionary biologists, botanists, and paleobotanists interested in reviewing current theory and practice in plant molecular systematics.

Organizational Systematics--taxonomy, Evolution, Classification Apr 01 2022

Climate Change, Ecology and Systematics Jan 18 2021 Climate change has shaped life in the past and will continue to do so in the future. Understanding the interactions between climate and biodiversity is a complex challenge to science. With contributions from 60 key researchers, this book examines the ongoing impact of climate change on the ecology and diversity of life on earth. It discusses the latest research within the fields of ecology and systematics, highlighting the increasing integration of their approaches and methods. Topics covered include the influence of climate change on evolutionary and ecological processes such as adaptation, migration, speciation and extinction, and the role of these processes in determining the diversity and biogeographic distribution of species and their populations. This book ultimately illustrates the necessity for global conservation actions to mitigate the effects of climate change in a world that is already undergoing a biodiversity crisis of unprecedented scale.

Plant Systematics Sep 25 2021 Plant Systematics, Second Edition, provides the basis for teaching an introduction to the morphology, evolution, and classification of land plants. It presents a foundation of the approach, methods, research goals, evidence, and terminology of plant systematics, along with the most recent knowledge of evolutionary relationships of plants and practical information vital to the field. This updated edition has been expanded to include 15 fern families, 9 gymnosperm families, and increased angiosperm family treatments from 100 to 129. Each family description includes a plate of full color photographs, illustrating exemplars of the group along with dissected and labeled material to show diagnostic features. The book includes a new chapter on species concepts and the role and impact of plant systematics in conservation biology, and a new appendix on statistical and morphometric techniques in plant systematics. It also contains more detailed explanations of maximum likelihood and Bayesian phylogeny inference methods, an expanded coverage and glossary of morphological terms, and an updated chapter on botanical nomenclature. This book is recommended for graduate and undergraduate students in botany, plant taxonomy, plant systematics, plant pathology, plant anatomy, and ecology as well as scientists and researchers in any of the plant sciences. The second edition of Plant Systematics has been expanded to include: Fifteen fern families, 9 gymnosperm families, and an increase of angiosperm family treatments from 100 to 129. Each family description includes a plate of full color photographs, illustrating exemplars of the group along with dissected and labeled material to show diagnostic features A new chapter on species concepts and the role and impact of plant systematics in conservation biology A new appendix on statistical and morphometric techniques in plant systematics In addition, the second edition contains more detailed explanations of maximum likelihood and Bayesian phylogeny inference methods, an expanded coverage and glossary of morphological terms, and an updated chapter on botanical nomenclature
Descriptive Taxonomy Nov 27 2021 "Department of Life Sciences, Natural History Museum, London, UK. We are living in an age where biodiversity is being lost at an unprecedented rate, with the well-documented problems of habitat destruction being compounded by the largely unknown future effects of Climate Change. High quality, accurate and reliable biodiversity data are needed by biologists, conservationists and environmental modellers to understand and assess the ecosystems in which they work, to produce effective conservation strategies, and to feed computer-generated models which predict what environments and habitats we might face"--
Science as a Process Dec 29 2021 "Legend is overdue for replacement, and an adequate replacement must attend to the process of science as carefully as Hull has done. I share his vision of a serious account of the social and intellectual dynamics of science that will avoid both the rosy blur of Legend and the facile charms of relativism. . . . Because of [Hull's] deep concern with the ways in which research is actually done, Science as a Process begins an important project in the study of science. It is one of a distinguished series of books, which Hull himself edits."—Philip Kitcher, Nature "In Science as a Process, [David Hull] argues that the tension between cooperation and competition is exactly what makes science so successful. . . . Hull takes an unusual approach to his subject. He applies the rules of evolution in nature to the evolution of science, arguing that the same kinds of forces responsible for shaping the rise and demise of species also act on the development of scientific ideas."—Natalie Angier, New York Times Book Review "By far the most professional and thorough case in favour of an evolutionary philosophy of science ever to have been made. It contains excellent short histories of evolutionary biology and of systematics (the science of classifying living things); an important and original account of modern systematic controversy; a counter-attack against the philosophical critics of evolutionary philosophy; social-psychological evidence, collected by Hull himself, to show that science does have the character demanded by his philosophy; and a philosophical analysis of evolution which is general enough to apply to both biological and historical change."—Mark Ridley, Times Literary Supplement "Hull is primarily interested in how social interactions within the scientific community can help or hinder the process by which new theories and techniques get accepted. . . . The claim that science is a process for selecting out the best new ideas is not a new one, but Hull tells us exactly how scientists go about it, and he is prepared to accept that at least to some extent, the social activities of the scientists promoting a new idea can affect its chances of being accepted."—Peter J. Bowler, Archives of Natural History "I have been doing philosophy of science now for twenty-five years, and whilst I would never have claimed that I knew everything, I felt that I had a really good handle on the nature of science, Again and again, Hull was able to show me just how incomplete my understanding was. . . . Moreover, [Science as a Process] is one of the most compulsively readable books that I have ever encountered."—Michael Ruse,

Biology and Philosophy

EBOOK: Mental Health And Well Being In Later Life Apr 08 2020 "This book's main contribution … is to say to us all there is no single solution, no magic bullet, no instant cure, for the discomforts and illnesses of older age, and that not all ageing is comfortable. But it also tells us that it is in our control to do something about much of this, that older people's mental well-being could be vastly improved, and that public policy, and private attitudes, need to change. I hope that it is as influential as it deserves to be." Taken from the foreword by Baroness Julia Neuberger, Former Chief Executive of the King's Fund and author of 'Not Dead Yet' Mental health issues amongst older adults are becoming ever more prevalent. This fascinating book looks broadly at the mental health and well being issues that affect adults in later life. Taking a holistic approach to mental health and mental health promotion, the book explores the debates around what is meant by mental health and mental illness and the wider social determinants of mental health. All chapters have a common thread running through them – each of which was identified as being a key theme for mental health and well-being by adults in later life. Among them are issues relating to: Gender Ethnicity Societal diversity Poverty Class Cultural differences A range of examples from the UK and other countries, along with insights gained from older people's own perspectives, are used to emphasise the evidence base for effective interventions to promote mental health. Case studies, vignettes and quotes demonstrate how social theory and principles of health promotion can be effectively applied to improve practice. Mental Health and Well Being in Later Life is key reading for those working or intending to work in public health, health promotion and health and social care professions, especially those who work with older people.

Piecing Together Systematic Reviews and Other Evidence Syntheses Mar 20 2021 The book is for training librarians new to systematic reviews, for those developing a new systematic review service, for those wanting to establish protocols for a current service, and as a reference for those conducting reviews or running a service.