

## Highest Ranking Journals Impact Factor

Energy, Sustainability and the Environment Technology, Incentives, Behavior Elsevier

'Represents the culmination of an 18-month-long project that aims to be the definitive review of this important topic. Accompanied by a scholarly literature review, some new analysis, and a wealth of evidence and insight... the report is a tour de force; a once-in-a-generation opportunity to take stock.' – Dr Steven Hill, Head of Policy, HEFCE, LSE Impact of Social Sciences Blog 'A must-read if you are interested in having a deeper understanding of research culture, management issues and the range of information we have on this field. It should be disseminated and discussed within institutions, disciplines and other sites of research collaboration.' – Dr Meera Sabaratnam, Lecturer in International Relations at the School of Oriental and African Studies, University of London, LSE Impact of Social Sciences Blog Metrics evoke a mixed reaction from the research community. A commitment to using data and evidence to inform decisions makes many of us sympathetic, even enthusiastic, about the prospect of granular, real-time analysis of our own activities. Yet we only have to look around us at the blunt use of metrics to be reminded of the pitfalls. Metrics hold real power: they are constitutive of values, identities and livelihoods. How to exercise that power to positive ends is the focus of this book. Using extensive evidence-gathering, analysis and consultation, the authors take a thorough look at potential uses and limitations of research metrics and indicators. They explore the use of metrics across different disciplines, assess their potential contribution to the development of research excellence and impact and consider the changing ways in which universities are using quantitative indicators in their management systems. Finally, they consider the negative or unintended effects of metrics on various aspects of research culture. Including an updated introduction from James Wilsdon, the book proposes a framework for responsible metrics and makes a series of targeted recommendations to show how responsible metrics can be applied in research management, by funders, and in the next cycle of the Research Excellence Framework. The metric tide is certainly rising. Unlike King Canute, we have the agency and opportunity – and in this book, a serious body of evidence – to influence how it washes through higher education and research.

This book is a philosophical critique of the economics of climate change from both an ethical and philosophy of economics perspective. Mitigating climate change is not so much a scientific problem, but rather a political, social and above all an economic problem. A future without greenhouse gas emissions requires a radical transformation towards a sustainable low-carbon economy and society. How this transformation could be achieved raises numerous economic questions. Many of these questions remain untouched, although economists are equipped with a suitable toolkit and expertise. This book argues that economists have a social responsibility to carry out more research on how global warming could be stopped and that, ultimately, economic analysis of climate change must be a political economic approach that treats the economy as part of a wider social system. This approach will be of interest to policy makers, educators, students and researchers in support of more pluralism in economic research and teaching.

This open access book focuses on the dimensions of the discourse of 'The World Class University', its alleged characteristics, and its policy expressions. It offers a broad overview of the historical background and current trajectory of the world-class-university construct. It also deepens the theoretical discussion, and points a way forward out of present impasses resulting from the pervasive use and abuse of the notion of "world-class" and related terms in the discourse of quality assessment. The book includes approaches and results from fields of inquiry not otherwise prominent in Higher Education studies, including philosophy and media studies, as well as sociology, anthropology, educational theory. The growing impact of global rankings and their strategic use in the restructuring of higher education systems to increase global competitiveness has led to a 'reputation race' and the emergence of the global discourse of world class universities. The discourse of world class universities has rapid uptake in East Asian countries, with China recently refining its strategy. This book provides insights into this process and its future development.

The Tobacco Settlement Proceeds Act, a referendum passed by Arkansans in the November 2000 election, invests Arkansas' share of the tobacco Master Settlement Agreement funds in seven health-related programs. RAND was contracted to evaluate the progress of the seven programs in fulfilling their missions, as well as the effects of the programs on smoking and other health-related outcomes. This report charts the progress of each program, including assessing progress in achieving long-range goals established by the programs in 2005, tracking the programs' process measures, and assessing performance on a set of program management integrity criteria. The report also updates trends in outcome measures developed to monitor effects of the funded programs on smoking and other health-related outcomes. Finally, it provides program-specific and across-program recommendations for future activities and funding.

After the Crisis: Anthropological Thought, Neoliberalism and the Aftermath offers a thought-provoking examination of the state of contemporary anthropology, identifying key issues that have confronted the discipline in recent years and linking them to neoliberalism, and suggesting how we might do things differently in the future. The first part of the volume considers how anthropology has come to resemble, as a result of the rise of postmodern and poststructural approaches in the field, key elements of neoliberalism and neoclassical economics by rejecting the idea of system in favour of individuals. It also investigates the effect of the economic crisis on funding and support for higher education and addresses the sense that anthropology has 'lost its way', with uncertainty over the purpose and future of the discipline. The second part of the book explores how the discipline can overcome its difficulties and place itself on a firmer foundation, suggesting ways that we can productively combine the debates of the late twentieth century with a renewed sense that people live their lives not as individuals, but as enmeshed in webs of relationship and obligation.

This bestselling textbook has been fully updated, and provides readers with a comprehensive overview of methods for conducting business and management research. Highly visual, and written in a clear and accessible way, the book includes helpful learning features throughout, including learning goals at the start of each chapter, a research in action feature, examples, a Research Plan Canvas template and more. The content has been brought up-to-date with the inclusion of big data, predictive analytics and a dedicated chapter on machine learning. Accompanying the book is a wealth of online resources to further enhance your learning experience, including: MCQs Video content Templates and data sets Glossary flashcards Additional case studies These can be accessed by students at [study.sagepub.com/easterbysmith7e](http://study.sagepub.com/easterbysmith7e)

ARIST, published annually since 1966, is a landmark publication within the information science community. It surveys the landscape of information science and technology, providing an analytical, authoritative, and accessible overview of recent trends and significant developments. The range of topics varies considerably, reflecting the dynamism of the discipline and the diversity of theoretical and applied perspectives. While ARIST continues to cover key topics associated with classical information science (e.g., bibliometrics, information retrieval), editor Blaise Cronin is selectively expanding its footprint in an effort to connect information science more tightly with cognate academic and professional communities.

An essential book summarizing cutting-edge evidence on the role of the immune system and immunotherapies in psychiatric disorders.

Bibliometrics and altmetrics are increasingly becoming the focus of interest in the context of research evaluation. The Handbook Bibliometrics provides a comprehensive introduction to quantifying scientific output in addition to a historical derivation, individual indicators, institutions, application perspectives and data bases. Furthermore, application scenarios, training and qualification on bibliometrics and their implications are considered.

Writing Scientific Research Articles The new edition of the popular guide for novice and professional scientists alike, providing effective strategies and step-by-step advice for writing scientific papers for publication For scientists writing a research article for submission to an international peer-reviewed journal, knowing how to write can be as important as knowing what to write. Writing Scientific Research Articles: Strategy and Steps provides systematic guidance on writing effective scientific papers with the greatest chance for publication. Using clear language, this highly practical guide shows scientists how to apply their analysis and synthesis skills to produce a compelling research article and increase their competence in written communication of science. The third edition is fully revised to reflect changes in the review process and science journal publication. Incorporating current developments in technology and pedagogical practice, brand-new sections cover mapping and planning manuscripts, choosing results, systematic reviews, structured abstracts, and more. Updated material on referee criteria offers valuable insights on what journal editors and referees want to publish and why. Offering a hands-on approach to developing the academic writing skills of scientists in all disciplines and from all language backgrounds, Writing Scientific Research Articles provides a genre-based pedagogy and clear processes for writing each section of a manuscript across the full range of research article formats and funding applications presents tested strategies for responding to referee comments and developing discipline-specific language skills for manuscript writing and polishing pairs each learning step with updated practical exercises to develop writing and data presentation skills based on expert analysis of well-written papers, including provided example articles includes chapters on the difference between review papers and research papers, and on skill development using journal clubs and writing groups features a wealth of new information on topics including Open Access publishing, online reviews, and predatory conferences and journals Designed for use by individuals as a self-study guide or by groups working with an instructor, Writing Scientific Research Articles: Strategy and Steps is a must-have guide for early-career researchers with limited writing experience, scientists for whom English is an additional language, upper-level undergraduates and graduate students writing for publication, and STEM and English language professionals involved in teaching manuscript writing and publication skills and mentoring students and colleagues.

This handbook presents the state of the art of quantitative methods and models to understand and assess the science and technology system. Focusing on various aspects of the development and application of indicators derived from data on scholarly publications, patents and electronic communications, the individual chapters, written by leading experts, discuss theoretical and methodological issues, illustrate applications, highlight their policy context and relevance, and point to future research directions. A substantial portion of the book is dedicated to detailed descriptions and analyses of data sources, presenting both traditional and advanced approaches. It addresses the main bibliographic metrics and indexes, such as the journal impact factor and the h-index, as well as altmetric and webometric indicators and science mapping techniques on different levels of aggregation and in the context of their value for the assessment of research performance as well as their impact on research policy and society. It also presents and critically discusses various national research evaluation systems. Complementing the sections reflecting on the science system, the technology section includes multiple chapters that explain different aspects of patent statistics, patent classification and database search methods to retrieve patent-related information. In addition, it examines the relevance of trademarks and standards as additional technological indicators. The Springer Handbook of Science and Technology Indicators is an invaluable resource for practitioners, scientists and policy makers wanting a systematic and thorough analysis of the potential and limitations of the various approaches to assess research and research performance.

Busy academics must publish. To fulfil research output, they must write to a specific journal style and high standard while juggling other professional tasks. This book develops understanding of how writing happens, what good writing looks and feels like, what gets published and what does not and why.

This year's edition brings together research and essays on comparative education trends and directions written by professional and scholarly leaders in the field. Topics covered include theoretical and methodological developments, reports on research-to-practice, area studies and the diversification of comparative and international education.

The transmission of information transcends time. Since the beginning of humanity, people have shared stories, dreams, wishes, and findings. Within a scientific context, the delivery of information is especially important. Researchers have been sharing their ideas and building on the work of others for as long as we have studied our world. How can a researcher ensure their ideas will be shared most effectively with the next generation, though? In How Scientists Communicate, Alan Kelly accompanies readers through the many processes of scholarly communication within the field of science. The chapters include an analysis of modern scientific communication, an overview of the historical development of such communication, the nature and goals of a scientific research paper, as well as practical and applicable information for researchers. He explores scientific communication from various perspectives, including the writing process, stages of writing, evaluation through peer review, publication, and what happens afterwards. This exploration into scientific writing emphasizes the importance of readability and writing for the intended audience. Kelly engages with landmark historical papers, but he doesn't shy away from his own experiences and opinions. This treatise on the art of scientific communication is interesting for readers with various levels of experience, making this book a go-to resource for anyone trying to share

their ideas within the scientific community, or interested in how the outputs of science impact our world.

The complexity of carbon reduction and economic sustainability is significantly complicated by competing aspects of socioeconomic practices as well as legislative, regulatory, and scientific requirements and protocols. An easy to read and understand guide, *Sioshansi*, along with an international group of contributors, moves through the maze of carbon reduction methods and technologies, providing steps and insights to meet carbon reduction requirements and maintaining the health and welfare of the firm. The book's three part treatment is based on a clear and rigorous exposition of a wide range of options to reduce the carbon footprint Part 1 of the book, *Challenge of Sustainability*, examines the fundamental drivers of energy demand – economic growth, the need for basic energy services, and the interdependence of economic, political, environmental, social, equity, legacy and policy issues. Part 2 of the book, *Technological Solutions*, examines how energy can be used to support basic energy service needs of homes, commercial and industrial facilities and for other applications. Part 3 of the book, *case studies*, covers a number of innovative projects, initiatives, concepts or self-imposed targets in different parts of the world with the aim of significantly reducing energy use and carbon footprint of a company, a community, a city or an entire country. There was a widespread recognition among environmental engineers and energy economist of the importance of carbon reduction while sustaining the firm's economic growth. The only book to bring together both subjects into one easy to understand reference, *Carbon Reduction and Economic Sustainability* not only clearly explains which option has the lowest energy/carbon footprint but also which option would better suit the business in question. This includes carbon reduction for residential, transport, industrial and public sectors. The only book to clearly explain the economic and environmental engineering aspects of carbon reduction. Case studies taken from a number of international projects. Carbon reduction options for all sectors of society. The role of the planning system in carbon reduction.

This book provides a clear and straightforward guide for all those seeking to conduct quantitative research in the field of education, using primary research data samples. While positioned as less powerful and somehow inferior, non-parametric tests can be very useful where the research can only be designed to accommodate data structure which is ordinal, or scale but violates a normality assumption, which is required for parametric tests. Non-parametric data are a staple of educational research, and as such, it is essential that educational researchers learn how to work with these data with confidence and rigour.

The present study attempts to examine the numerical correlation between web ranking of electronic scientific journals and impact factor of these journals using the method of regression analysis. Regression analysis allows the option of investigating and predicting the numerical relationship between website ranking of scientific journals on the World Wide Web and the value of impact factor of the journals. A sample of 57 publishers with 6,272 scientific journals and 50 standalone scientific journals was analyzed during research procedure. In this study, two different indicators about websites classification on World Wide Web were examined separately for 57 publishers and 50 standalone journals, Alexa rank and Statscrop rank. The electronic databases through the internet constitute the main information resources of this study about the impact factors. The general conclusion that arises is that the impact factor of electronic scientific journals illustrates a very strong positive correlation with classification of websites on the World Wide Web. Furthermore, it is concluded that the change of web ranking as a function of impact factor is governed by a Gaussian function or rational function with lower Pearson coefficient and presents non-linearly correlation. Even if there is very strong correlation between impact factor and web rank for electronic journals, the prediction of impact factor from web rank is not possible and presents many divergences.

Open government initiatives have become a defining goal for public administrators around the world. As technology and social media tools become more integrated into society, they provide important frameworks for online government and community collaboration. However, progress is still necessary to create a method of evaluation for online governing systems for effective political management worldwide. *Open Government: Concepts, Methodologies, Tools, and Applications* is a vital reference source that explores the use of open government initiatives and systems in the executive, legislative, and judiciary sectors. It also examines the use of technology in creating a more affordable, participatory, and transparent public-sector management models for greater citizen and community involvement in public affairs. Highlighting a range of topics such as data transparency, collaborative governance, and bureaucratic secrecy, this multi-volume book is ideally designed for government officials, leaders, practitioners, policymakers, researchers, and academicians seeking current research on open government initiatives.

"Effective research in educational settings requires collaboration between researchers and school-based practitioners to codesign instruction and assessment, analyze findings, and make thoughtful revisions. This innovative work presents design-based research (DBR), a key methodology for conducting studies in authentic educational contexts. Leading experts provide examples of high-quality DBR addressing different research foci, grade levels, and subject areas. Applications are described for curriculum development, intervention, assessment, digital contexts, and teaching second-language learners. Also addressed is DBR's role in educator preparation, professional development, and other settings"--

The book offers an introduction to all the informatics concepts that are represented on the Clinical Informatics Board Examination The core and direction of this book is to mirror the model of clinical informatics which is used by the American Board of Preventive Medicine to create their exam. Unlike any other text on the market, the book includes simulated exam questions, to help the reader asses his knowledge and focus his study. *Clinical Informatics Board Review and Self Assessment* is a thorough practical assistant to refine the reader's knowledge regarding this youngest and possibly broadest fields of medicine.

Invaluable guidance on how scientists can communicate the societal benefits of their work to the public and funding agencies. This will help scientists submit proposals to the US National Science Foundation and other funding agencies with a 'Broader Impacts' section, as well as helping to develop successful wider outreach activities.

African scholarly research is relatively invisible globally because even though research production on the continent is growing in absolute terms, it is falling in comparative terms.

In addition, traditional metrics of visibility, such as the Impact Factor, fail to make legible all African scholarly production. Many African universities also do not take a strategic approach to scholarly communication to broaden the reach of their scholars' work. To address this challenge, the Scholarly Communication in Africa Programme (SCAP) was established to help raise the visibility of African scholarship by mapping current research and communication practices in Southern African universities and by recommending and piloting technical and administrative innovations based on open access dissemination principles. To do this, SCAP conducted extensive research in four faculties at the Universities of Botswana, Cape Town, Mauritius and Namibia.

Arkansas' Tobacco Settlement Proceeds Act invests the state's share of the tobacco Master Settlement Agreement funds in seven health-related programs. This report assesses the progress of each of the funded programs in achieving its long-range goals, tracks the programs' process indicators, and updates trends in outcome measures developed to monitor effects of the funded programs on smoking and other health-related outcomes.

This is the proceedings of the selected papers presented at 2011 International Conference on Engineering Education and Management (ICEEM2011) held in Guangzhou, China, during November 18-20, 2011. ICEEM2011 is one of the most important conferences in the field of Engineering Education and Management and is co-organized by Guangzhou University, The University of New South Wales, Zhejiang University and Xi'an Jiaotong University. The conference aims to provide a high-level international forum for scientists, engineers, and students to present their new advances and research results in the field of Engineering Education and Management. This volume comprises 122 papers selected from over 400 papers originally submitted by universities and industrial concerns all over the world. The papers specifically cover the topics of Management Science and Engineering, Engineering Education and Training, Project/Engineering Management, and Other related topics. All of the papers were peer-reviewed by selected experts. The papers have been selected for this volume because of their quality and their relevancy to the topic. This volume will provide readers with a broad overview of the latest advances in the field of Engineering Education and Management. It will also constitute a valuable reference work for researchers in the fields of Engineering Education and Management.

An up-to-date and comprehensive handbook written by experienced professionals, covering all aspects of journal publishing, both online and in print.

Scientific communication depends primarily on publishing in journals. The most important indicator to determine the influence of a journal is the Impact Factor. Since this factor only measures the average number of citations per article in a certain time window, it can be argued that it does not reflect the actual value of a periodical. This book defines five dimensions, which build a framework for a multidimensional method of journal evaluation. The author is winner of the Eugene Garfield Doctoral Dissertation Scholarship 2011.

Introduction to Research and Medical Literature for Health Professionals, Fifth Edition is an essential resource to help students, faculty, and practitioners understand the research process, interpret data, comprehend results, and incorporate findings into practice. From choosing a research project and developing the research process design, to systematically gathering information, analyzing, interpreting data, differentiating among conflicting results, and finally understanding the overall evaluation, Introduction to Research and Medical Literature for Health Professionals, Fifth Edition will ease fears and help students and practitioners develop research skills to acquire and contribute knowledge that benefits their patients.

Modern computer-intensive statistical methods play a key role in solving many problems across a wide range of scientific disciplines. Like its bestselling predecessors, the fourth edition of Randomization, Bootstrap and Monte Carlo Methods in Biology illustrates a large number of statistical methods with an emphasis on biological applications. The focus is now on the use of randomization, bootstrapping, and Monte Carlo methods in constructing confidence intervals and doing tests of significance. The text provides comprehensive coverage of computer-intensive applications, with data sets available online. Features Presents an overview of computer-intensive statistical methods and applications in biology Covers a wide range of methods including bootstrap, Monte Carlo, ANOVA, regression, and Bayesian methods Makes it easy for biologists, researchers, and students to understand the methods used Provides information about computer programs and packages to implement calculations, particularly using R code Includes a large number of real examples from a range of biological disciplines Written in an accessible style, with minimal coverage of theoretical details, this book provides an excellent introduction to computer-intensive statistical methods for biological researchers. It can be used as a course text for graduate students, as well as a reference for researchers from a range of disciplines. The detailed, worked examples of real applications will enable practitioners to apply the methods to their own biological data.

J. Matthias Starck comprehensively guides the reader in this essential through all steps of writing an expert review for a scientific journal. It is built on a succinct analysis how science works, how science is communicated and how science is published. It provides a critical guide how to write good, informative and fair peer reviews. The author presents a critical discussion of different peer review procedures and their alternatives, explains ethical guidelines as well as the dark sides of scientific publishing. So this essential helps the reader to perform better in the existing system and to contribute to its further development and improvement.

Advances in Non-Drug Research and Application: 2011 Edition is a ScholarlyEditions™ eBook that delivers timely, authoritative, and comprehensive information about Non-Drug. The editors have built Advances in Non-Drug Research and Application: 2011 Edition on the vast information databases of ScholarlyNews.™ You can expect the information about Non-Drug in this eBook to be deeper than what you can access anywhere else, as well as consistently reliable, authoritative, informed, and relevant. The content of Advances in Non-Drug Research and Application: 2011 Edition has been produced by the world's leading scientists, engineers, analysts, research institutions, and companies. All of the content is from peer-reviewed sources, and all of it is written, assembled, and edited by the editors at ScholarlyEditions™ and available exclusively from us. You now have a source you can cite with authority, confidence, and credibility. More information is available at <http://www.ScholarlyEditions.com/>.

Nurses and midwives have a professional responsibility to keep up-to-date with current research impacting on their clinical practice. They require the skills and knowledge to read and understand research reports, evaluate the quality of the research, synthesise different research studies, apply the most appropriate findings to their clinical practice and be able to evaluate its effectiveness. This book presents a unique approach to teaching the principles of health research using practical case studies with which students can identify and engage. The book covers core concepts and principles including: - what evidence is and why understanding research is vital - finding reliable sources of evidence - the nature of the research process - understanding quantitative and qualitative research - ethical considerations - using research to guide clinical practice. Throughout the book, activities, summaries and review questions help ground theory in real life scenarios, highlighting how evidence-based practice can be applied in every aspect of nursing care. 'The text is highly readable while achieving the aim of familiarising the reader with the language of, and process for, doing research. It is logically organised and ... guides reader learning using a variety of techniques that reinforce [the] information presented and challenge thinking.' Karen Francis, Professor of Nursing and Head of Nursing, University of Tasmania

This comprehensive guide to writing journal articles addresses all the stages and recurring challenges, from targeting a journal to dealing with reviewer feedback. Drawing on many years of

running 'Writing for Publication' workshops, Murray explores not only style and structure but also behaviours and emotions. As a key component of both research courses and careers, this timely text also addresses the struggle to make time for high quality academic writing and how to ensure a writing-life balance. Examining a variety of approaches, relevant to many different academic disciplines, this core text demystifies and defines writing practices and makes this form of high-stakes academic writing seem manageable. Writing for journals has never been more competitive, and writers, researchers, practitioners and students need expert guidance on productive practices and ways of maintaining focus and motivation, which Murray provides. This latest edition is completely updated and more relevant than ever for clinicians, practitioners and students. "This book was already a classic, but the update makes it even more useful. From finding time to write, doing a short literature review and identifying scam journals, Rowena Murray provides an excellent, concise and accessible companion for writing academic journal papers, which is appropriate for both students and working academics." Associate Professor Inger Mewburn, Director of Research Training, The Australian National University, Australia "Rowena Murray has approached publishing in a journal with scientific rigour. Following this book's recommendations will make it impossible to find a convincing excuse for failure to publish. She herself writes with a high level of artisanal skill; this book is fast paced, stylish and highly readable. Her own extensive experience in supporting journal article writers tempers this book with the credibility of a seasoned veteran. Best of all, there is a wealth of wisdom here—in advising on how to publish, Murray is also advising on how to live a satisfying life as a writer." Associate Professor Susan Carter, University of Auckland, New Zealand "In Writing for Academic Journals (4th edition), Rowena Murray's voice is direct, down-to-earth and wise. Drawing on a depth of practical experience as both published author and writing teacher, she conveys the message that, yes, publishing in academic journals is demanding, but it's also very possible. And that once you are successful, there is still much to be learned from reading books like this one and hanging out with others in writing groups and workshops. To that end, the book is a trove of tips and techniques helpful to all who pursue the challenging craft of (good) academic writing." Barbara Grant, Associate Professor in the School of Critical Studies in Education at the University of Auckland, New Zealand, and author of Academic writing retreats: A facilitator's uide

This is the conference proceedings for the 2015 Asian Congress of Applied Psychology (ACAP 2015), hosted by Aventis School of Management, Singapore. It includes papers by a group of international academics and researchers. It covers the most recent research findings in the fields of Psychology, especially in the applied areas that have a bearing on policies.

Discusses the evolution of forestry and agroforestry and presents the core literature in these fields, covering both traditional and emerging areas. Topics include changes in forest science in the 20th century, the development of agroforestry literature, the role of professional societies and the US

Offers a comprehensive, accessible introduction to experimental design, field monitoring skills for plants and animals, data analysis, interpretation and reporting This user-friendly book presents field monitoring skills for both plants and animals, within the context of a research project. This text provides a single resource to take the reader all the way through from the planning stage, into the field, guiding through sampling, organism identification, computer-based data analysis and interpretation, and finally how to present the results to maximise the impact of the work. Logically structured throughout, and revised extensively in the second edition, the book concentrates on the techniques required to design a field-based ecological survey and shows how to execute an appropriate sampling regime. It evaluates appropriate sampling and analytical methods, identifying potential problems associated with various techniques and how to mitigate these. The second edition of this popular text has updated reference material and weblinks, increased the number of case studies by 50% to illustrate the use of specific techniques in the field, added over 20% more figures (including 8 colour plates), and made more extensive use of footnotes to provide extra details. Extensions to topics covered in the first edition include additional discussion of: ethical issues; statistical methods (sample size estimation, use of the statistical package R, mixed models); bioindicators, especially for freshwater pollution; seeds, fecundity and population dynamics including static and dynamic life tables; forestry techniques including tree coring and tree mortality calculations; the use of data repositories; writing for a journal and producing poster and oral presentations. In addition, the use of new and emerging technologies has been a particular focus, including mobile apps for environmental monitoring and identification; land cover and GIS; the use of drones including legal frameworks and codes of practice; molecular field techniques including DNA analysis in the field (including eDNA); photo-matching for identifying individuals; camera trapping; modern techniques for detecting and analysing bat echolocation calls; and data storage using the cloud. Divided into six distinct chapters, Practical Field Ecology, 2nd Edition begins at project inception with a chapter on planning—covering health and safety, along with guidance on how to ensure that the sampling and experimental design is suitable for subsequent statistical analysis. Following a chapter dealing with site characterisation and general aspects of species identification, subsequent chapters describe the techniques used to survey and census particular groups of organisms. The final chapters cover analysing, interpreting and presenting data, and writing up the research. Offers a readable and approachable integrated guide devoted to field-based research projects Takes students from the planning stage, into the field, and clearly guides them through organism identification in the laboratory and computer-based data analysis, interpretation and data presentation Includes a chapter on how to write project reports and present findings in a variety of formats to differing audiences Aimed at undergraduates taking courses in Ecology, Biology, Geography, and Environmental Science, Practical Field Ecology, 2nd Edition will also benefit postgraduates seeking to support their projects.

The Yearbook addresses the overriding question: what are the effects of the 'opening up' of science to the media? Theoretical considerations and a host of empirical studies covering different configurations provide an in-depth analysis of the sciences' media connection and its repercussions on science itself. They help to form a sound judgement on this recent development.

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