

Science Journal Authors Instructions

This book constitutes the refereed proceedings of the European Conference on Information Literacy, ECIL 2014, held in Dubrovnik, Croatia, in October 2014. The 93 revised full papers presented together with two keynotes and one invited paper were carefully reviewed and selected from 283 submissions. The papers are organized in topical sections on theoretical framework; related concepts; research; rights and ethics; children; higher education; education and instruction; assessment and evaluation; libraries; different aspects.

Teaching Anatomy: A Practical Guide is the first book designed to provide highly practical advice to both novice and experienced gross anatomy teachers. The volume provides a theoretical foundation of adult learning and basic anatomy education and includes chapters focusing on specific issues that teachers commonly encounter in the diverse and challenging scenarios in which they teach. The book is designed to allow teachers to adopt a student-centered approach and to be able to give their students an effective and efficient overall learning experience. Teachers of gross anatomy and other basic sciences in undergraduate healthcare programs will find in this unique volume invaluable information presented in a problem-oriented, succinct, and user-friendly format. Developed by renowned, expert authors, the chapters are written concisely and in simple language, and a wealth of text boxes are provided to bring out key points,

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to stimulate reflection on the reader's own situation, and to provide additional practical tips. Educational theories are selectively included to explain the theoretical foundation underlying practical suggestions, so that teachers can appropriately modify the strategies described in the book to fit their own educational environments. Comprehensive and a significant contribution to the literature, *Teaching Anatomy: A Practical Guide* is an indispensable resource for all instructors in gross anatomy.

This book presents a guide for research methodology and scientific writing covering various elements such as finding research problems, writing research proposals, obtaining funds for research, selecting research designs, searching the literature and review, collection of data and analysis, preparation of thesis, writing research papers for journals, citation and listing of references, preparation of visual materials, oral and poster presentation in conferences, and ethical issues in research . Besides introducing library and its various features in a lucid style, the latest on the use of information technology in retrieving and managing information through various means are also discussed in this book. The book is useful for students, young researchers, and professionals.

Photography is the primary tool for visually documenting specimens, experimental findings and laboratory setups in many scientific fields. Photographic illustrations in these fields must satisfy criteria of clarity, objectivity and adherence to accepted standards, in addition to a pleasant but not distracting composition and illumination.

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This book concentrates on the choice and practical use of digital cameras, lenses and related equipment of types commonly available at research institutions and museums. The described techniques are suitable for subject sizes between approximately half a millimeter and half a meter, and differ from those used in general photography and microscopy. The intended audience of this book includes professional scientific photographers, scientists and students who need to carry out photography in support of their own research or as part-time scientific photographers at a research institution, and advanced amateur photographers who wish to master these techniques.

This book, first published in 1999, analyses the convergence of financial, technical, and public policy considerations that turned what seemed like science fiction twenty years ago into a library fact of life today. It shows that while electronic publication greatly speeds issuance of important scientific results of enduring value, it also has the potential to lower the economic threshold at which crank papers and marginal publications can gain a wide, if sadly misled audience, in the short run. It demonstrates that while scientists invented the web, they no longer control it, and that even the very largest research organizations, libraries, publishers, and journal aggregators, will, to a substantial degree, be at the technological and economic mercy of commercial users of the web.

Mary Grace Soccio. My writing could not please this kindhearted woman, no matter how hard I tried. Although Gifted and Talented seventh-grade math posed no

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problem for me, the same was not true for Mrs. Soccio's English class. I was frustrated that my first assignment only netted me a C. I worked harder, making revision after revision, a concept I had never really put much faith in before. At last, I produced an essay that seemed the apex of what I was capable of writing. Although the topic of that essay is now lost to my memory, the grade I received was not: a B?. "The best I could do was a B??" The realization sank in that maybe I was not such a good writer. In those days, my youthful hubris did not understand about capacity building. In other words, being challenged would result in my intellectual growth—an academic restatement of Nietzsche's "What does not destroy me, makes me stronger." Consequently, I asked to be withdrawn from Gifted and Talented English in the eighth grade.

Research in Medical and Biological Sciences covers the wide range of topics that a researcher must be familiar with in order to become a successful biomedical scientist. Perfect for aspiring as well as practicing professionals in the medical and biological sciences, this publication discusses a broad range of topics that are common yet not traditionally considered part of formal curricula, including philosophy of science, ethics, statistics, and grant applications. The information presented in this book also facilitates communication across conventional disciplinary boundaries, in line with the increasingly multidisciplinary nature of modern research projects. Covers the breadth of topics that a researcher must understand in order to be a successful experimental scientist Provides a broad scientific

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perspective that is perfect for students with various professional backgrounds Contains easily accessible, concise material about diverse methods Includes extensive online resources such as further reading suggestions, data files, statistical tables, and the StaTable application package Emphasizes the ethics and statistics of medical and biological sciences Ceylon Journal of Science. Instructions and rules to be observed by authors and editors. Drawn up by Joseph Pearson Author's Handbook of Styles for Life Science Journals CRC Press

Research in the Biomedical Sciences: Transparent and Reproducible documents the widespread concerns related to reproducibility in biomedical research and provides a best practices guide to effective and transparent hypothesis generation, experimental design, reagent standardization (including validation and authentication), statistical analysis, and data reporting. The book addresses issues in the perceived value of the existing peer review process and calls for the need for improved transparency in data reporting. It reflects new guidelines for publication that include manuscript checklists, replication/reproducibility initiatives, and the potential consequences for the biomedical research community and societal health and well-being if training, mentoring, and funding of new generations of researchers and incentives for publications are not improved. This book offers real world examples, insights, and solutions to provide a thought-provoking and timely resource for all those learning about, or engaged in, performing and supervising research across the biomedical sciences. Provides a "big picture perspective on the scope of reproducibility issues and covers initiatives that have potential as effective solutions Offers real-world research context for transparent, reproducible

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experimental design, execution and reporting of biomedical research with the potential to address aspects of the translational gap in drug discovery Highlights the importance of reproducibility and the necessary changes in biomedical and pharmaceutical research training and incentives to ensure sustainability

Environmental issues are inherently interdisciplinary, and environmental academic programs increasingly use an interdisciplinary approach. This timely book presents a core framework for conducting high quality interdisciplinary research. It focuses on the opportunities rather than the challenges of interdisciplinary work and is written for those doing interdisciplinary work (rather than those studying it). It is designed to facilitate high quality interdisciplinary work and the author uses illustrative examples from student work and papers published in the environmental literature. This book's lucid, problem-solving approach is framed in an accessible easy-to-read style and will be indispensable for anyone embarking on a research project involving interdisciplinary collaboration. Readership: graduate students, advanced undergraduates, and researchers involved in the interface between human and natural environmental systems

This book is a very concise introduction to the basic knowledge of scientific publishing. It starts with the basics of writing a scientific paper, and recalls the different types of scientific documents. It gives an overview on the major scientific publishing companies and different business models. The book also introduces to abstracting and indexing services and how they can be used for the evaluation of science, scientists, and institutions. Last but not least, this short book faces the problem of plagiarism and publication ethics.

This concise, up-to-date volume compiles information and materials documenting illicit drugs and their use from multiple

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perspectives. * A chronology of significant events, decisions, policies, and agreements about illicit drug use in the United States from 1872 to the present * Graphs and tables about illicit drug use patterns and problems * A world map depicting the distribution of problem drugs throughout the world * A glossary of key terms about drug use and abuse * A bibliography of significant reference materials addressing illicit drug use

This book, first published in 1987, brings together from a variety of sources analysis on the major issues involved in the collection of scientific journals. Working from the premise that scientists tend to know much more about their subject than about their journals, it examines the rationale for journal choices, journals and tenure, journals and budgeting, and the elements of a good journal. It shows librarians how to penetrate the internal structure of some imposing technical literatures in a way that can help them make responsible collection management decisions that even their science clientele will respect.

Scientific writing and communication needs to take care of a wide range of audience, from students and researchers to experts. The main objective of this book is to offer the basics of scientific writing and oral presentation to students and researchers working for their M.Phil. and Ph.D. degrees in science subjects. This book provides information on how to write research reports (theses, papers for publication, etc.) and to prepare for poster and oral presentation at conferences and scientific meetings. The book also offers guidelines for preparing proposals for research projects.

Research publications have always been key to building a successful career in science, yet little if any formal guidance is offered to young scientists on how to get research papers peer reviewed,

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accepted, and published by leading scientific journals. *With What Editors Want*, Philippa J. Benson and Susan C. Silver, two well-respected editors from the science publishing community, remedy that situation with a clear, straightforward guide that will be of use to all scientists. Benson and Silver instruct readers on how to identify the journals that are most likely to publish a given paper, how to write an effective cover letter, how to avoid common pitfalls of the submission process, and how to effectively navigate the all-important peer review process, including dealing with revisions and rejection. With supplemental advice from more than a dozen experts, this book will equip scientists with the knowledge they need to usher their papers through publication.

Scientific and Medical Communication: A Guide for Effective Practice prepares readers to effectively communicate in professional scientific communities. The material in this book is firmly grounded in more than 500 published research findings and editorials by scientific writers, authors, and journal editors. Thus, this text provides the broadest and most comprehensive analysis of scientific writing. In addition, carefully selected and thoroughly annotated examples from the scientific and medical literature demonstrate the recommendations covered in the text. These real-world examples were carefully selected so that the scientific content can be

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understood by those without a detailed background in any particular scientific or medical field—thus clearly illustrating the content organization and writing style. This text will prepare individuals to write and edit scientific manuscripts, conference abstracts, posters, and press releases according to journal and professional standards. Readers will also learn to conduct effective searches of the scientific and medical literature, as well as proper citation practices.

This guide provides a framework, starting from simple statements, for writing papers for submission to peer-reviewed journals. It also describes how to address referees' comments, approaches for composing other types of scientific communications, and key linguistic aspects of scientific writing.

"The field of Biomarkers and Precision Medicine in drug development is rapidly evolving and this book presents a snapshot of exciting new approaches. By presenting a wide range of biomarker applications, discussed by knowledgeable and experienced scientists, readers will develop an appreciation of the scope and breadth of biomarker knowledge and find examples that will help them in their own work."

-Maria Freire, Foundation for the National Institutes of Health Handbook of Biomarkers and Precision Medicine provides comprehensive insights into biomarker discovery and development which has driven the new era of Precision Medicine. A wide

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variety of renowned experts from government, academia, teaching hospitals, biotechnology and pharmaceutical companies share best practices, examples and exciting new developments. The handbook aims to provide in-depth knowledge to research scientists, students and decision makers engaged in Biomarker and Precision Medicine-centric drug development. Features: Detailed insights into biomarker discovery, validation and diagnostic development with implementation strategies Lessons-learned from successful Precision Medicine case studies A variety of exciting and emerging biomarker technologies The next frontiers and future challenges of biomarkers in Precision Medicine Claudio Carini, Mark Fidock and Alain van Gool are internationally recognized as scientific leaders in Biomarkers and Precision Medicine. They have worked for decades in academia and pharmaceutical industry in EU, USA and Asia. Currently, Dr. Carini is Honorary Faculty at Kings's College School of Medicine, London, UK. Dr. Fidock is Vice President of Precision Medicine Laboratories at AstraZeneca, Cambridge, UK. Prof.dr. van Gool is Head Translational Metabolic Laboratory at Radboud university medical school, Nijmegen, NL.

Let the Author's Handbook of Styles for Life Science Journals save you time and trouble by providing a one-stop resource for all your manuscript writing

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requirements. No more plowing through your journal collection or wandering the library stacks to get those elusive journal pages containing instructions to authors. This unique book contains all the information you need to know: whether the journal will consider your manuscript; the journal's submission address; how to construct the abstract, illustrations, tables, and references; and specific information on copyright, multiple authorship, statistical analyses, and page charges. The Author's Handbook of Styles for Life Science Journals gives all this information for 440 of the most important English-language, life science journals. Titles were selected from the "Journal Rankings by Times Cited" list in the Science Citation Index Journal Citation Report. Because this report is heavily weighted toward the medical sciences, other life science journals are incorporated into the book based on general level of prestige and reputation. In addition, some new titles that promise to be important to their fields, like Nature Medicine and Emerging Infectious Diseases are also included. Organized by journal title, the handbook's entries are uniformly arranged to allow direct comparison between journals. Information is presented in an easy-to-use, easy-to-read format with clear and explicitly stated instructions. The Author's Handbook of Styles for Life Science Journals gives authors in the life sciences all the information necessary for the correct

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and complete compilation of a manuscript for submission to their journal of choice.

This comprehensive yet concise book provides a thorough and complete guide to every aspect of managing the peer review process for scientific journals. Until now, little information has been readily available on how this important facet of the journal publishing process should be conducted properly. *Peer Review and Manuscript Management in Scientific Journals* fills this gap and provides clear guidance on all aspects of peer review, from manuscript submission to final decision. *Peer Review and Manuscript Management in Scientific Journals* is an essential reference for science journal editors, editorial office staff and publishers. It is an invaluable handbook for the set-up of new Editorial Offices, as well as a useful reference for well-established journals which may need guidance on a particular situation, or may want to review their current practices. Although intended primarily for journals in science, much of its content will be relevant to other scholarly areas. This wonderful work by Dr. Hames can be used as a textbook in courses for both experienced and novice editors, and I trust that it is what Dr. Hames intended when she prepared this beautiful book. Every scientific editor should read it. *Journal of Educational Evaluation for Health Professionals*, 2008 This book is co-published with the Association of Learned and

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Professional Society Publishers (ALPSP) (www.alpssp.org) ALPSP members are entitled to a 30% discount on this book.

It was Faraday who in 1821 said that there are three necessary stages of useful research. The first to begin it, the second to end it, and the third to publish it. There has since indeed been so much research and publication that we have become increasingly alarmed by the galloping proliferation of scientific information produced in relation to the user's ability to retrieve and consume it effectively, conveniently and creatively. In 1948, to deal with this concern, the Royal Society Scientific Information Conference held in London spanned the whole realm of scientific information. Sir Robert Robinson, President of the Royal Society, in his opening address noted that "the study of scientific information services in all its ramifications has enormous scope", and the London conference dealt with scientific publication, format, editorial policy, subject grouping, organization, abstracting, reviews, classification, indexing and training of information officers. It was about this time that information science began to develop more on the retrieval end, so it seems logical that the first editors' group founded in 1949 was ICSU AB, the International Council of Scientific Unions Abstracting Board. In 1958 the National Academy of Sciences International Conference of 2 Scientific Information in Washington limited its

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interests and expanded on the later phases of the life cycle of information - storage and retrieval.

This entertaining and highly readable book gives anyone writing in the sciences a clear and easy-to-follow guide to the English language. * Includes cartoons and humorous illustrations that help reinforce important concepts *

Provides a glossary that allows readers to easily reference the meanings of grammatical terms used in the book * Incorporates a wide variety of quotations to provide humor, make points, or reinforce key concepts * Includes an entire chapter on electronic media as well as new material on self-editing

Davis (agronomy), Kaaron Davis (agricultural, food and life sciences), and Marion Dunagan (business, all U. of Arkansas) offer fledgling scientists advice about the professional communications requirements they will face as graduate students and working scientists. They cover many aspects lightly, and refer readers to more specialized treatments for greater detail. Their topics include organizing and writing a rough draft, graduate theses and dissertations, publishing data, visual aids for presentations, and communicating with nonscientists. Previous editions were published in 1996 and 2004.

Academic Press is an imprint of Elsevier. Annotation ©2012 Book News, Inc., Portland, OR (booknews.com).

This comprehensive and practical book covers the basics of grammar as well as the broad brush issues such as writing a grant application and selling to your potential audience. The clear explanations are expanded and lightened with helpful examples and telling quotes from the giants of good writing. These experienced

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writers and teachers make scientific writing enjoyable. Plant Microbiology provides a comprehensive source of information on DNA sequencing and mapping, the newest technology and procedures in areas such as radiation hybrid mapping, FISH and specialized sequencing techniques are covered. The book also describes how transgene expression is controlled in plants and how advanced information strategies can be used to manipulate and modify the plant genome. An exciting final chapter provides an overview of all the applications of plant transformation in agriculture, medicine and industry.

Now thoroughly updated and expanded, this new edition of a classic guide offers practical advice on preparing and publishing journal articles as well as succeeding in other communication-related aspects of a scientific career.

- Provides practical, easy-to-read, and immediately applicable guidance on preparing each part of a scientific paper: from the title and abstract, through each section of the main text, to the acknowledgments and references
- Explains step by step how to decide to which journal to submit a paper, what happens to a paper after submission, and how to work effectively with a journal throughout the publication process
- Includes key advice on other communication important to success in scientific careers, such as giving presentations and writing proposals
- Presents an insightful insider's view of how journals actually work—and describes how best to work with them

30+ Years of Peer-Reviewed Studies on the Corporate Ties and Vested Interests that Influence Scientific

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Research For over 500 years, groups and organizations with political, economic, and personal interests have successfully exercised influence on the pursuit of scientific inquiry and knowledge. History is replete with examples like the Papal authority muddying research into studies of the cosmos, but far less attention is paid today to the various corporate and special interest groups who, through funding and lobbying efforts, have been able to shape the modern academic and scientific landscape to fit their agenda. In *Conflicts of Interest Within Science*, author Sheldon Krimsky compiles 21 peer-reviewed, academic articles that examine the complex relationship between the individual scientists conducting research and the groups who fund them. Ultimately, Krimsky's call to action concerns a collective movement among authors, peer reviewers, corporations and journal editors to disclose the sources of their funding. By holding scientists and the groups that fund them more accountable through increased transparency, we as a society can begin to rebuild trust in the integrity of knowledge.

Vols. 1-49 are Proceedings of the 1st-57th annual meetings.

Guide on writing and submitting a scientific paper for graduates to professionals.

This book provides an in-depth exploration of scientific photography. Highlighting the best practices needed to make, distribute, and preserve scientific visual information using digital photographic methods and technologies, it offers

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solutions to some of the biggest challenges facing photographers. Written by a team of international, award-winning image makers with over 300 years of cumulative experience, this comprehensive resource explains the foundations used, the tools required, and the steps to needed for creating the optimal photograph in a range of environments and circumstances. Topics covered include: • ethical practices • aerial photography • close-up and macro photography • computational photography • field photography • geological photography • imaging with invisible spectrums • photographing small animals in captivity • time-based imaging • image processing in science Showcasing modern methods, this book equips readers with the skills needed to capture and process the best image possible.

Designed for basic and intermediate photographers, *Natural Science Imaging and Photography* exists as an essential contemporary handbook.

The purpose of this book is to help early career professionals in agriculture and natural resources write their research papers for high-quality journals and present their results properly at professional meetings. Different fields have different conventions for writing style such that the authors of the book have found it difficult to recommend to young scientists in these fields a specific book or source material out of the several that are available as the “go to” guide. Writing a scientific paper is a tedious

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task even to experienced writers; but it is particularly so for the early career professionals such as students, trainees, scientists and scholars in agriculture and natural resources; the challenge is even more when their first language of communication is not English. This book is targeted mainly to that group.

An essential resource for LIS master's and doctoral students, new LIS faculty, and academic librarians, this book provides expert guidance and practical examples based on current research about quantitative and qualitative research methods and design. Conducting research and successfully publishing the findings is a goal of many professionals and students in library and information science (LIS). Using the best methodology maximizes the likelihood of a successful outcome. This outstanding book broadly covers the principles, data collection techniques, and analyses of quantitative and qualitative methods as well as the advantages and limitations of each method to research design. It addresses these research methods and design by discussing the scientific method, sampling techniques, validity, reliability, and ethical concerns along with additional topics such as experimental research design, ethnographic methods, and usability testing. The book presents comprehensive information in a logical, easy-to-follow format, covering topics such as research

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strategies for library and information science doctoral students; planning for research; defining the problem, forming a theory, and testing the theory; the scientific method of inquiry and data collection techniques; survey research methods and questionnaires; analyzing quantitative data; interview-based research; writing research proposals; and even time management skills. LIS students and professionals can consult the text for instruction on conducting research using this array of tools as well as for guidance in critically reading and evaluating research publications, proposals, and reports. The explanations and current research examples supplied by discipline experts offer advice and strategies for completing research projects, dissertations, and theses as well as for writing grants, overcoming writer's block, collaborating with colleagues, and working with outside consultants. The answer to nearly any question posed by novice researchers is provided in this book. Now in its sixth edition, the book provides new and updated content that is even more comprehensive than before and contains added sections featuring the voices of prominent LIS scholars, researchers, and editors "Voices of the Experts" text boxes provide researchers' advice on specific methods and identify what was most important or most valuable about using a particular method and software for analysis—e.g., NVivo, SurveyMonkey, and log

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capture Written by coauthors with extensive expertise in research design, securing grant funding, and using the latest technology and data analysis software

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