

## Journals Impact Factor Search

A concise, easy-to-read source of essential tips and skills for writing research papers and career management In order to be truly successful in the biomedical professions, one must have excellent communication skills and networking abilities. Of equal importance is the possession of sufficient clinical knowledge, as well as a proficiency in conducting research and writing scientific papers. This unique and important book provides medical students and residents with the most commonly encountered topics in the academic and professional lifestyle, teaching them all of the practical nuances that are often only learned through experience. Written by a team of experienced professionals to help guide younger researchers, *A Guide to the Scientific Career: Virtues, Communication, Research and Academic Writing* features ten sections composed of seventy-four chapters that cover: qualities of research scientists; career satisfaction and its determinants; publishing in academic medicine; assessing a researcher's scientific productivity and scholarly impact; manners in academics; communication skills; essence of collaborative research; dealing with manipulative people; writing and scientific misconduct: ethical and legal aspects; plagiarism; research regulations, proposals, grants, and practice; publication and resources; tips on writing every type of paper and report; and much more. An easy-to-read source of essential tips and skills for scientific research Emphasizes good communication skills, sound clinical

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judgment, knowledge of research methodology, and good writing skills Offers comprehensive guidelines that address every aspect of the medical student/resident academic and professional lifestyle Combines elements of a career-management guide and publication guide in one comprehensive reference source Includes selected personal stories by great researchers, fascinating writers, inspiring mentors, and extraordinary clinicians/scientists A Guide to the Scientific Career: Virtues, Communication, Research and Academic Writing is an excellent interdisciplinary text that will appeal to all medical students and scientists who seek to improve their writing and communication skills in order to make the most of their chosen career.

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.

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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*

*Advances in Clinical Chemistry*, Volume 95, the latest installment in this internationally acclaimed series, contains chapters authored by world-renowned clinical laboratory scientists, physicians and research scientists. The serial discusses the latest and most up-to-date technologies related to the field of clinical chemistry, with this new release including sections on *Advances in diagnostic microfluidics*, *Vascular and valvular calcification biomarkers*, *Long noncoding RNAs in cancer: From discovery to therapeutic targets*, *Exosomes of male reproduction*, *Tryptophan in health and disease*, *Biochemistry of blood platelet activation*, and the beneficial role of plant oils in cardiovascular diseases.

*Online Searching* is your complete guide to becoming a superstar searcher, wielding advanced searching features, strategies, and tactics for answering questions on any topic under the sun as well as finding answers in trusted, quality sources.

A comprehensive review of evidence on the effect of minimum wages on employment, skills, wage and income distributions, and longer-term labor market outcomes concludes that the minimum wage is not a good policy tool.

*Smoking Geographies* provides a research-led assessment of the impact of geographical factors on

smoking. The contributors uncover how geography can show us not only why people smoke but also broader issues of tobacco control, providing deeper clarity on how smoking and tobacco is 'governed'. The text centres on one of the most important public health issues worldwide, and a major determinant of preventable mortality and morbidity in developed and developing countries Records the outcomes of a long-term research collaboration that brings a geographical lens to smoking behaviour Uncovers how geography can play a part in understanding not only why people smoke but also broader issues of tobacco control Provides a deeper understanding of how smoking and tobacco is 'governed', regarding where people may smoke, but also more subtle governance as a climate is produced in which smoking becomes 'denormalised' Brings both quantitative and qualitative perspectives to bear on this major source of mortality and morbidity

An information retrieval (IR) system is designed to analyse, process and store sources of information and retrieve those that match a particular user's requirements. A bewildering range of techniques is now available to the information professional attempting to successfully retrieve information. It is recognized that today's information professionals need to concentrate their efforts on learning the techniques of computerized IR. However, it is this book's contention that it also benefits them to learn the theory, techniques and tools that constitute the traditional approaches to the organization and processing of information. In fact much of this knowledge may still be applicable in the storage

and retrieval of electronic information in digital library environments. The fully revised third edition of this highly regarded textbook has been thoroughly updated to incorporate major changes in this rapidly expanding field since the second edition in 2004, and a complete new chapter on citation indexing has been added. Unique in its scope, the book covers the whole spectrum of information storage and retrieval, including: users of IR and IR options; database technology; bibliographic formats; cataloguing and metadata; subject analysis and representation; automatic indexing and file organization; vocabulary control; abstracts and indexing; searching and retrieval; user-centred models of IR and user interfaces; evaluation of IR systems and evaluation experiments; online and CD-ROM IR; multimedia IR; hypertext and mark-up languages; web IR; intelligent IR; natural language processing and its applications in IR; citation analysis and IR; IR in digital libraries; and trends in IR research. Illustrated with many examples and comprehensively referenced for an international audience, this is an indispensable textbook for students of library and information studies. It is also an invaluable aid for information practitioners wishing to brush up on their skills and keep up to date with the latest techniques. 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.

This book will get librarians writing by dispelling the myths surrounding “scholarly writing” by providing practical tools and advice. Though the authors have extensive experience as scholars, this book is written in a friendly, approachable, non-intimating manner.

Globalization and the development of multinational organizations have led to an increase in the number of people spending part of their lives living and working in foreign countries. While the contemporary literature has focused on organizational expatriates sent overseas by their employers, self-initiated expatriation is becoming an important area of study in its own right. Studies on self-initiated expatriation explore the labor market positions of individuals who have relocated under their own initiative. However, no comprehensive book exists on the dynamics that underlie this type of mobility. This edited volume offers a holistic picture of self-initiated expatriation and the groups that pursue it, emphasizing many aspects for departure including career development and career capital. It is the first book on the market to explore the issues pertaining to self-initiated expatriation from a variety of perspectives with important theoretical and practical implications. In an era of global war for talent, companies face difficulties in finding highly skilled employees. Self-initiated expatriates have the potential to fill this talent gap. National economies thus have an interest in creating favorable conditions to attract self-initiated expatriates and provoke their repatriation, and this book explores the conditions that achieve the return of employees with skills that are in demand outside of their home countries. Learn how to plan for success with this hands-on guide to

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conducting high-quality engineering research. Plan and implement your next project for maximum impact: step-by-step instructions cover every stage in engineering research, from the identification of an appropriate research topic through to the successful presentation of results. Improve your research outcomes: discover essential tools and methods for producing high-quality, rigorous research, including statistical analysis, survey design, and optimisation techniques. Research with purpose and direction: clear explanations, real-world examples, and over 50 customisable end-of-chapter exercises, all written with the practical and ethical considerations of engineering in mind. A unique engineering perspective: written especially for engineers, and relevant across all engineering disciplines, this is the ideal book for graduate students, undergraduates, and new academics looking to launch their research careers.

This book investigates the intensifying struggle for excellence between universities in a globalized academic field. The rise of the entrepreneurial university and academic capitalism are superimposing themselves on the competition of scientists for progress of knowledge and recognition by the scientific community. The result is a sharpening institutional stratification of the field. This stratification is produced and continuously reproduced by the intensified struggle for funds with the shrinking of block grants and the growing significance of competitive funding, as well as the increasing impact of international and national rankings on academic research and teaching. The increased allocation of funds on the basis of performance leads to overinvestment of resources at the small top and underinvestment for the broad mass of universities in the middle and lower ranks. There is a curvilinear inverted u-shaped relationship of investments and returns in terms of knowledge production. Paradoxically, the intrusion of the economic logic and measures of managerial

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controlling into the academic field imply increasing inefficiency in the allocation of resources to universities. The top institutions suffer from overinvestment, the rank-and-file institutions from underinvestment. The economic inefficiency is accompanied by a shrinking potential for renewal and open knowledge evolution.

This book presents the 57 papers accepted for presentation at the Seventh KES International Conference on Intelligent Decision Technologies (KES-IDT 2015), held in Sorrento, Italy, in June 2015. The conference consists of keynote talks, oral and poster presentations, invited sessions and workshops on the applications and theory of intelligent decision systems and related areas. The conference provides an opportunity for the presentation and discussion of interesting new research results, promoting knowledge transfer and the generation of new ideas. The book will be of interest to all those whose work involves the development and application of intelligent decision systems.

Science and innovation have the power to transform our lives and the world we live in - for better or worse – in ways that often transcend borders and generations: from the innovation of complex financial products that played such an important role in the recent financial crisis to current proposals to intentionally engineer our Earth's climate. The promise of science and innovation brings with it ethical dilemmas and impacts which are often uncertain and unpredictable: it is often only once these have emerged that we feel able to control them. How do we undertake science and innovation responsibly under such conditions, towards not only socially acceptable, but socially desirable goals and in a way that is democratic, equitable and sustainable?

Responsible innovation challenges us all to think about our responsibilities for the future, as scientists, innovators and citizens, and to act upon these. This book begins with a

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description of the current landscape of innovation and in subsequent chapters offers perspectives on the emerging concept of responsible innovation and its historical foundations, including key elements of a responsible innovation approach and examples of practical implementation. Written in a constructive and accessible way, *Responsible Innovation* includes chapters on: Innovation and its management in the 21st century A vision and framework for responsible innovation Concepts of future-oriented responsibility as an underpinning philosophy Values – sensitive design Key themes of anticipation, reflection, deliberation and responsiveness Multi – level governance and regulation Perspectives on responsible innovation in finance, ICT, geoengineering and nanotechnology Essentially multidisciplinary in nature, this landmark text combines research from the fields of science and technology studies, philosophy, innovation governance, business studies and beyond to address the question, “How do we ensure the responsible emergence of science and innovation in society?”

This new guide focuses on the different uses and applications of biomedical information resources available on the Internet. It explains not only how to find the best information resources quickly and effectively, but also how to customise Internet tools to your own personal requirements. Both authors have been associated with the development of OMNI (Organising Medical Networked Information) and BIOME. Partial contents: Introduction; Electronic communication; Discussion lists and electronic fora; Electronic journals and newsletters; Teaching material and continuing medical education; Health care information; Consumer health information; Meetings and conferences; Grants and jobs; Directories of research projects and expertise; Search strategies; Customising your browser; Creating your own home pages.

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This handbook offers comprehensive coverage of recent advancements in Big Data technologies and related paradigms. Chapters are authored by international leading experts in the field, and have been reviewed and revised for maximum reader value. The volume consists of twenty-five chapters organized into four main parts. Part one covers the fundamental concepts of Big Data technologies including data curation mechanisms, data models, storage models, programming models and programming platforms. It also dives into the details of implementing Big SQL query engines and big stream processing systems. Part Two focuses on the semantic aspects of Big Data management including data integration and exploratory ad hoc analysis in addition to structured querying and pattern matching techniques. Part Three presents a comprehensive overview of large scale graph processing. It covers the most recent research in large scale graph processing platforms, introducing several scalable graph querying and mining mechanisms in domains such as social networks. Part Four details novel applications that have been made possible by the rapid emergence of Big Data technologies such as Internet-of-Things (IOT), Cognitive Computing and SCADA Systems. All parts of the book discuss open research problems, including potential opportunities, that have arisen from the rapid progress of Big Data technologies and the associated increasing requirements of application domains. Designed for researchers, IT professionals and graduate students, this book is a timely contribution to the growing Big Data field. Big Data has been recognized as one of leading emerging technologies that will have a major contribution and impact on the various fields of science and varies aspect of the human society over the coming decades. Therefore, the content in this book will be an essential tool to help readers understand the development and future of the field.

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Issues in Information Science Research / 2013 Edition is a ScholarlyEditions™ book that delivers timely, authoritative, and comprehensive information about Web and Grid Services. The editors have built Issues in Information Science Research: 2013 Edition on the vast information databases of ScholarlyNews.™ You can expect the information about Web and Grid Services in this book to be deeper than what you can access anywhere else, as well as consistently reliable, authoritative, informed, and relevant. The content of Issues in Information Science Research: 2013 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/>.

Get the foundational knowledge about health sciences librarianship. The general term "health sciences libraries" covers a wide range of areas beyond medical libraries, such as biomedical, nursing, allied health, pharmacy, and others. Introduction to Health Sciences Librarianship provides a sound foundation to all aspects of these types of libraries to students and librarians new to the field. This helpful guide provides a helpful overview of the health care environment, technical services, public services, management issues, academic health sciences, hospital libraries, health informatics, evidence-based practice, and more. This text provides crucial information every beginning and practicing health sciences librarian needs—all in one volume. Introduction to Health Sciences Librarianship presents some of the most respected librarians and educators in the field, each discussing important aspects of librarianship, including technical services, public services,

administration, special services, and special collections. This comprehensive volume provides all types of librarians with helpful general, practical, and theoretical knowledge about this profession. The book's unique "A Day in the Life of . . ." feature describes typical days of health sciences librarians working in special areas such as reference or consumer health, and offers anyone new to the field a revealing look at what a regular workday is like. The text is packed with useful figures, screen captures, tables, and references. Topics discussed in *Introduction to Health Sciences Librarianship* include: overview of health sciences libraries health environment collection development of journals, books, and electronic resources organization of health information access services information services and information retrieval information literacy health informatics management of academic health sciences libraries management and issues in hospital libraries library space planning specialized services *Introduction to Health Sciences Librarianship* provides essential information for health sciences librarians, medical librarians, beginning and intermediate level health sciences/medical librarians, and any health sciences librarian wishing to review the field. This crucial volume belongs in every academic health sciences library, hospital library, specialized health library, biomedical library, and academic library.

"Perez Velazquez has written a little gem that I advise reading to anyone pursuing a scientific career, as well as for the general public interested in the sociological aspects of science. It alerts the reader about the rise of a new type of scientist, buried in bureaucracy and financial issues. In contrast to past generations, this "new scientist" is sadly left with minimal time to dedicate to creative work. It studies the consequences of this state of affairs, the problems associated with peer reviewing, the dilemma of funding innovative

research, the nature of corporate academic culture and the trivialization of scientific achievement by grant agencies and universities. It also provides possible solutions for these problems. All this is magnificently exemplified and documented, including personal experiences from the author and a touch of humor illustrated in the accompanying cartoons. Despite the humor, it is a serious piece of work that would also be useful for the conscientious academic worried about the difficulties of the current research scene." Marina Frantseva, MD, PhD Jose Luis Perez Velazquez is a Spanish biochemist/biophysicist. He has a degree in Biochemistry and a PhD in Molecular Physiology & Biophysics. His research activities are mainly in the fields of the brain-behaviour relation at a high level of description, seeking principles of biological organisation. He worked as a senior scientist at the Hospital for Sick Children in Toronto and was Professor at the University of Toronto, where he taught a graduate course on consciousness and self-awareness, which derived in part from his book *The Brain-Behaviour Continuum* (World Scientific). He also edited the book *Coordinated Activity in the Brain* (Springer), and edited special issues for *The Journal of Biological Physics*, *Frontiers in Integrative Neuroscience* and *Frontiers in Computational Neuroscience*. Currently he is a Research Scholar at the Ronin Institute, where he continues to investigate a possible global principle, a scheme that combines theoretical studies and experimental observations, aimed at conceptualizing how consciousness arises from the organization of matter.

This book constitutes the refereed proceedings of the 9th International Conference on Perspectives in Business Informatics Research (BIR) in Rostock, Germany, in September 2010. The 14 full and 4 short papers accepted for BIR were selected from 53 submissions. They are organized in topical sessions on knowledge and information

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management; ontologies; models and workflows; business information systems; and databases and mobile computing . The Oxford Handbook of Work and Family examines contemporary work-family issues from a variety of important viewpoints. By thoroughly examining where the field has been and where it is heading, this important volume offers razor-sharp reviews of long-standing topics and fresh ideas to move work-family research and practice in new and necessary directions. In providing comprehensive, interdisciplinary, cross-cultural, and cross-national perspectives, Tammy D. Allen and Lillian T. Eby have assembled a world-class team of scholars and practitioners to offer readers cutting-edge information on this rapidly growing area of scientific inquiry. The Handbook also includes reviews of historically understudied groups and highlights the important role that technology plays in shaping the work-family interface, the potential contribution of neuroscience to better understanding work-family issues, the ways in which work-family scholarship and practice can be enhanced through theoretical perspectives, and the use of social media to translate important research findings to the public. The Oxford Handbook of Work and Family is a roadmap for moving work-family scholarship forward, while also providing rich descriptive accounts of how major organizations have been able to turn research findings into effective evidence-based policies and practices to help adults better manage both work and family responsibilities.

Research Methods in Physical Activity, Seventh Edition, systematically guides students through the research process, introducing methods and tools specifically for kinesiology and exercise science disciplines, including the subdisciplines of physical therapy, rehabilitation, and occupational therapy. The seventh edition leads students and novice researchers to research competency with the distinctive humor that has

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become a trademark of this internationally recognized text. At last, the first systematic guide to the growing jungle of citation indices and other bibliometric indicators. Written with the aim of providing a complete and unbiased overview of all available statistical measures for scientific productivity, the core of this reference is an alphabetical dictionary of indices and other algorithms used to evaluate the importance and impact of researchers and their institutions. In 150 major articles, the authors describe all indices in strictly mathematical terms without passing judgement on their relative merit. From widely used measures, such as the journal impact factor or the h-index, to highly specialized indices, all indicators currently in use in the sciences and humanities are described, and their application explained. The introductory section and the appendix contain a wealth of valuable supporting information on data sources, tools and techniques for bibliometric and scientometric analysis - for individual researchers as well as their funders and publishers. Drawing on real-world experience and presented in an informal and accessible manner, *Writing and Publishing Research in Kinesiology, Health, and Sport Science* provides upper-level students and early-career academics with an essential resource to aid in disseminating research and publishing their first papers. Logically structured to take researchers through each step of the publishing process, the book offers subject-specific advice on developing every aspect of theoretical, applied, or position papers, including:

- the title, abstract and keywords
- method, results, and discussion sections
- referencing
- finding the right journal and submitting a paper
- revising content in light of peer review
- presenting papers.

This is important and accessible reading for any researchers seeking advice on publishing their work in fields including but not limited to kinesiology, health, exercise science, physical education, or recreation.

This book presents must-know facts generally not covered in “How To” books about medical writing. Every medical writer, whether a beginner or veteran, needs answers to questions many might not even know to ask. How does your personality type influence your writing behavior, and what can you do to make writing easier for you? What should you ask before agreeing to co-author an article for publication or write a book chapter? What are some of the current issues regarding copyright and plagiarism that authors may face? What has research discovered about the quotations and references found in journal articles? What do you need to know about open access journals and predatory publishers? Dr. Taylor tells some surprising truths about medical publishing, including possible sources of peer review bias and some alarming influences on what ends up in print. He also relates little-known stories about renowned medical writers such as Sir William Osler, William Carlos Williams and Elisabeth Kübler-Ross and the origins of some of medicine’s classic publications. *What Every Medical Writer Needs to Know* provides information vital for every health care professional who aspires to write for others to read: academicians and practicing physicians; nurses, nurse practitioners and physician assistants; and professional medical and scientific writers.

*A Guide to the Scientific Career* Virtues, Communication, Research, and Academic Writing John Wiley & Sons ‘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.

Understanding Present and Past Arctic Environments: An Integrated Approach from Climate Change

Perspectives provides a fully comprehensive overview of the past, present and future outlook for this incredibly diverse and important region. Through a series of contributed chapters, the book explores changes to this environment that are attributed to the effects of climate change. The book explores the current effects climate change has had on Arctic environments and ecosystems, our current understanding of the effects climate change is having, the effects climate change is having on the atmospheric and ocean processes in this region. The Arctic region is predicted to experience the earliest and most pronounced global warming response to human-induced climatic change, thus a better understanding is vital. Presents a thorough understanding of the Arctic, it's past, present and future Provides an integrated assessment of the Arctic climate system, recognizing that a true understanding of its functions lies in appreciating the interactions and linkages among its various components Brings together many of the world's leading Arctic researchers to

describe this diverse environment and its ecology For Students, Scholars, Researchers, Investigators, Trainees and Scientists. "If I have seen a little further it is by standing on the shoulders of Giants." Isaac Newton. This book on research is an attempt to try to answer the basic fundamental questions that come to the minds of young students, researchers, scholars, investigators, trainees or scientists. It is an outcome of collaboration between 43 researchers from 11 different countries (Pakistan, India, United States, Iran, United Kingdom, Nepal, Canada, Greece, Poland, Japan and Australia): Achakzai AM, Afghan AK, Ahmed A, Ali D, Ans M, Asad RM, Ashfaq A, Butt NM, Farooq F, Fatima M, Gilani AI, Ibrahim M, Ishtiaq O, Janjua NZ, Kakisi O, Kasi PM, Kassi M, Kassi M, Khan SF, Khawar T, Kiani J, Kulkarni HS, Majeed A, Naqvi HA, Nawaz H, Oberoi DV, Qureshi SA, Rai AS, Rathore FA, Rehman R, Sabri AA, Saeed F, Shah M, Shankar R, Sharma A, Sherjeel SA, Shoraneh F, Siddiqui S, Syed FK, Szlufic S, Yaqoob N, Zafar A, Zaidi AH Although there is a lot of literature available to answer the queries that come to the mind of a young investigator, the language is often too complex and difficult to understand and thus, aversive. Some of these teaching materials sound more like experts talking to each other. This book would act as a catalyst in providing useful reviews and guidance related to different aspects of research for students who need to be inducted and recognized as an integral part of the research community. We hope researchers benefit from this endeavor of ours. E-mail: [pashtoon.kasi@gmail.com](mailto:pashtoon.kasi@gmail.com) Website: [www.PromotingResearch.com](http://www.PromotingResearch.com)

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Research can seem difficult to get to grips with. However, at the heart of this book is the view that research is essentially a simple activity, the principles of which can be readily understood by students new to the subject. Each chapter guides the reader to uncover the 'mysteries' of research, exposing each aspect in turn, while demonstrating how research in healthcare is a practical activity, orientated directly to patient care. Fully updated to refer to the latest sources and studies, this book now includes: Two new chapters on qualitative research, clearly explaining what it is and how to do it A comprehensive glossary of qualitative and quantitative terms to demystify tricky terminology An appendix of statistical tests, explaining the procedures for each Many new examples from practice, applying the theory to a wide range of scenarios from across the healthcare professions This book is designed for all students of nursing and allied health professions studying research for the first time. Research is illustrated through examples of activities familiar to students from their daily lives, helping to build confidence in undertaking research and evidence-based practice.

"Let's start with a simple question: what do scientists actually do? In most cases, they do research, the goal of which is to learn more about the world in all its aspects, whether the topic is our own bodies, the smallest particles which make up matter, or the vastest reaches of the universe. Their research goal may be to fight disease, feed the world, create new technologies, understand our climate, or any of a million other objectives specific to different areas and disciplines. The

point of all this research then is to add to our storehouse of human knowledge, whether with practical consequences in mind or sometimes for the goal of simply 'understanding more'. We see the outputs and benefits of this research all around us every day, in medicine, technology, food, communications and countless other facets of our science-filled lives, and can read about our state of knowledge in books, websites and articles. However, behind every achievement, benefit, fact, theory or argument, seldom seen or appreciated, there are the scientists whose work has given rise to it. Science is a fundamentally human endeavour, driven by the hard work, curiosity, commitment and ambition of researchers, and sometimes complicated by human factors like jealousy, competitiveness, insecurity and (rarely, we hope) dishonesty"--

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.

Essential Resuscitation Skills for Medical Students -- Teaching Internal Medicine Residents to Incorporate Prognosis in the Care of Older Patients with Multimorbidity -- Longitudinal Program in Curriculum Development -- Appendix B: Curricular, Faculty Development, and Funding Resources -- Index -- A -- B -- C -- D -- E -- F -- G -- H -- I -- J -- K -- L -- M -- N -- O -- P -- Q -- R -- S -- T -- U -- V -- W

This volume of the Encyclopedia of Complexity and Systems Science, Second Edition, focuses on current challenges in the field from materials and

mechanics to applications of statistical and nonlinear physics in the life sciences. Challenges today are mostly in the realm of non-equilibrium systems, although certain equilibrium systems also present serious hurdles. Where possible, pairwise articles focus on a single topic, one from a theoretical perspective and the other from an experimental one, providing valuable insights. In other cases, theorists and experimentalists have collaborated on a single article. Coverage includes both quantum and classical systems, and emphasizes 1) mature fields that are not covered in the current specialist literature, (2) topics that fall through the cracks in disciplinary journals/books, or (3) developing areas where the knowledge base is large and robust and upon which future developments will depend. The result is an invaluable resource for condensed matter physicists, material scientists, engineers and life scientists.

This book pulls together robust practices in Partial Least Squares Structural Equation Modeling (PLS-SEM) from other disciplines and shows how they can be used in the area of Banking and Finance. In terms of empirical analysis techniques, Banking and Finance is a conservative discipline. As such, this book will raise awareness of the potential of PLS-SEM for application in various contexts. PLS-SEM is a non-parametric approach designed to maximize explained variance in latent constructs. Latent

constructs are directly unobservable phenomena such as customer service quality and managerial competence. Explained variance refers to the extent we can predict, say, customer service quality, by examining other theoretically related latent constructs such as conduct of staff and communication skills. Examples of latent constructs at the microeconomic level include customer service quality, managerial effectiveness, perception of market leadership, etc.; macroeconomic-level latent constructs would be found in contagion of systemic risk from one financial sector to another, herd behavior among fund managers, risk tolerance in financial markets, etc. Behavioral Finance is bound to provide a wealth of opportunities for applying PLS-SEM. The book is designed to expose robust processes in application of PLS-SEM, including use of various software packages and codes, including R. PLS-SEM is already a popular tool in marketing and management information systems used to explain latent constructs. Until now, PLS-SEM has not enjoyed a wide acceptance in Banking and Finance. Based on recent research developments, this book represents the first collection of PLS-SEM applications in Banking and Finance. This book will serve as a reference book for those researchers keen on adopting PLS-SEM to explain latent constructs in Banking and Finance.

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definitions

?This book provides the reader with the most up-to-date knowledge of blockchain in mainstream areas of security, trust, and privacy in the decentralized domain, which is timely and essential (this is due to the fact that the distributed and P2P applications is increasing day-by-day, and the attackers adopt new mechanisms to threaten the security and privacy of the users in those environments). This book also provides the technical information regarding blockchain-oriented software, applications, and tools required for the researcher and developer experts in both computing and software engineering to provide solutions and automated systems against current security, trust and privacy issues in the cyberspace. Cybersecurity, trust and privacy (CTP) are pressing needs for governments, businesses, and individuals, receiving the utmost priority for enforcement and improvement in almost any societies around the globe. Rapid advances, on the other hand, are being made in emerging blockchain technology with broadly diverse applications that promise to better meet business and individual needs. Blockchain as a promising infrastructural technology seems to have the potential to be leveraged in different aspects of cybersecurity promoting decentralized cyberinfrastructure. Blockchain characteristics such as decentralization, verifiability and immutability may revolve current cybersecurity mechanisms for

ensuring the authenticity, reliability, and integrity of data. Almost any article on the blockchain points out that the cybersecurity (and its derivatives) could be revitalized if it is supported by blockchain technology. Yet, little is known about factors related to decisions to adopt this technology, and how it can systemically be put into use to remedy current CTP's issues in the digital world. Topics of interest for this book include but not limited to: Blockchain-based authentication, authorization and accounting mechanisms Applications of blockchain technologies in digital forensic and threat hunting Blockchain-based threat intelligence and threat analytics techniques Formal specification of smart contracts Automated tools for outsmarting smart contracts Security and privacy aspects of blockchain technologies Vulnerabilities of smart contracts Blockchain for securing cyber infrastructure and internet of things networks Blockchain-based cybersecurity education systems This book provides information for security and privacy experts in all the areas of blockchain, cryptocurrency, cybersecurity, forensics, smart contracts, computer systems, computer networks, software engineering, applied artificial intelligence for computer security experts, big data analysts, and decentralized systems. Researchers, scientists and advanced level students working in computer systems, computer networks, artificial intelligence, big data will find this book

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