

List Journal Impact Factor 2010

This book is a printed edition of the Special Issue "Sustainable Drainage Systems" that was published in *Water*

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.

With the encroachment of the Internet into nearly all aspects of work and life, it seems as though information is everywhere. However, there is

information and then there is correct, appropriate, and timely information. While we might love being able to turn to Wikipedia® for encyclopedia-like information or search Google® for the thousands of links on a topic, engineers need the best information, information that is evaluated, up-to-date, and complete. Accurate, vetted information is necessary when building new skyscrapers or developing new prosthetics for returning military veterans. While the award-winning first edition of *Using the Engineering Literature* used a roadmap analogy, we now need a three-dimensional analysis reflecting the complex and dynamic nature of research in the information age. *Using the Engineering Literature, Second Edition* provides a guide to the wide range of resources available in all fields of engineering. This second edition has been thoroughly revised and features new sections on nanotechnology as well as green engineering. The information age has greatly impacted the way engineers find information.

Engineers have an effect, directly and indirectly, on almost all aspects of our lives, and it is vital that they find the right information at the right time to create better products and processes. Comprehensive and up to date, with expert chapter authors, this book fills a gap in the literature, providing critical information in a user-friendly format.

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 constitutes the joint refereed proceedings of the 20th Symposium on the Integration of Symbolic Computation and Mechanized Reasoning, Calculemus 2013, 6th International Workshop on Digital Mathematics Libraries, DML 2013, Systems and Projects, held in Bath, UK as part of CICM 2013, the Conferences on Intelligent Computer Mathematics. The 7 revised full papers out of 18 submissions for MKM 2013, 5 revised full papers out of 12 submissions for Calculemus 2013, 6 revised full papers out of 8 submissions for DML 2013, and 12 revised full papers out of 16 submissions for Systems and Project track presented together with 3 invited talks were carefully reviewed and selected, resulting in 33 papers from a total of 73 submissions. This is the first volume of the Encyclopedia of Neutrosophic Researchers, edited from materials offered by the authors who responded to the editor's invitation. The 78 authors are listed alphabetically. The introduction contains a short history of

neutrosophics, together with links to the main papers and books. Neutrosophic set, neutrosophic logic, neutrosophic probability, neutrosophic statistics, neutrosophic measure, neutrosophic precalculus, neutrosophic calculus and so on are gaining significant attention in solving many real life problems that involve uncertainty, impreciseness, vagueness, incompleteness, inconsistent, and indeterminacy. In the past years the fields of neutrosophics have been extended and applied in various fields, such as: artificial intelligence, data mining, soft computing, decision making in incomplete / indeterminate / inconsistent information systems, image processing, computational modelling, robotics, medical diagnosis, biomedical engineering, investment problems, economic forecasting, social science, humanistic and practical achievements. The authors, who have published neutrosophic papers, books, or defended neutrosophic master theses or PhD dissertations and are not included in this volume, are kindly invited to send their CV, a photo, and a list of neutrosophic publications to fsmarandache@gmail.com and neutrosophy@laposte.net to be part of the second volume.

"Bioinformatics: Concepts, Methodologies, Tools, and Applications highlights the area of bioinformatics and its impact over the medical community with its innovations that change how we recognize and care

for illnesses"--Provided by publisher.

In modern business environments, ethical behavior plays a crucial role in success. Managers and business leaders must pay close attention to the ethics of their policies and behaviors to avoid a reputation-crushing scandal. *Business Law and Ethics: Concepts, Methodologies, Tools, and Applications* explores best practices business leaders need to navigate the complex landscape of legal and ethical issues on a day-to-day basis. Utilizing both current research and established conventions, this multi-volume reference is a valuable tool for business leaders, managers, students, and professionals in a globalized marketplace.

Volume 20 of *Research on Professional Responsibility and Ethics in Accounting* brings together a range of articles exploring the professional responsibilities of accountants, codes of conduct which affect them, and securities regulations.

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.

This book is designed to meet the needs of both novice and senior researchers in Orthopaedics by providing the essential, clinically relevant knowledge on research methodology that is sometimes overlooked during training. Readers will find a wealth of easy-to-understand information on all relevant aspects, from protocol design, the fundamentals of statistics, and the use of computer-based tools through to the performance of clinical studies with different levels of evidence, multicenter studies, systematic reviews, meta-analyses, and economic health care studies. A key feature is a series of typical case examples that will facilitate use of the volume as a handbook for most common research approaches and study types. Younger researchers will also appreciate the guidance on preparation of abstracts, poster and paper presentations, grant applications, and publications. The authors are internationally renowned orthopaedic surgeons with extensive research experience and the book is published in collaboration with ISAKOS.

Self-regulated learning (SRL) subsumes key aspects of the learning process, such as cognitive strategies, metacognition

and motivation, in one coherent construct. Central to this construct are the autonomy and responsibility of students to take charge of their own learning. Skills for self-regulation can be encouraged both directly and indirectly through a range of learning activities. In this book we look specifically at the ways in which technology enhanced learning environments (TELEs) have been used to support self-regulation. The book provides an overview of recent studies on SRL in TELEs in Europe – a perspective which is new and has not been articulated hitherto. It addresses conceptual and methodological questions as well as practices in technology enhanced learning. While the focus is on European studies, we are aware that much of the groundwork in the field of SRL has emanated from the United States. The book is divided into three parts: (A) Foundations of SRL in TELEs, (B) Empirical studies on SRL in TELEs and (C) SRL in TELEs: perspectives on future developments. The book presents a rich resource of information for researchers and educators at all levels who are interested in supporting the acquisition of SRL through TELEs.

Nursing and Midwifery Research: methods and appraisal for evidence-based practice 5th edition has been fully revised and updated to include the latest developments in Australian and New Zealand nursing and midwifery practice. It is an essential guide to developing research skills, critically appraising research literature and applying research outcomes to practice. Visit <http://evolve.elsevier.com/AU/Schneider/research/> for additional resources

Student resources
An Unexpected Hurdle-concise suggested answer guides for alternatives to study design
Learning Activities-answers to end-of-chapter tests
Research Articles and Questions-exploring the themes of each chapter through examining qualitative, quantitative and mixed methods studies
Time to Reflect-supporting answer guides

for further reflection on ideas explored within each chapter
Glossary Instructor resources Tutorial Triggers-answer guides to tutorial activities, designed to initiate class discussions and further debate based on content within the chapter
PowerPoint presentations for each chapter Chapters on 'Indigenous approaches to research' and 'A research project journey: from conception to completion' An Unexpected Hurdle-exploring challenges to overcome in research Time to Reflect-reflecting on the topic of each chapter Contemporary research articles selected for each chapter and questions developed for further study on Evolve Expanded and updated glossary of terms and definitions

Imad Moosa's thought-provoking book explores the contemporary doctrine that plagues the academic sphere: the principle of publish or perish. This book identifies the pressures placed upon academics to either publish their work regularly, or suffer the consequences, including lack of promotion, or even redundancy.

Competition to publish in the top journals is fierce. This book provides entrepreneurship researchers with relevant material and insights to support them in their efforts to publish their research in the most prestigious entrepreneurship outlets. & a Volume 26 of Advances in Management Accounting examines a broad spectrum of current topics in management accounting.

This book addresses the various challenges facing university foreign language teaching in non-anglophone countries in the era of educational globalization. Growing student mobility, net-based cross-border university education, and universities opening subsidiaries in other countries force university teachers to offer their teaching in English rather than in their mother tongue, and universities to equip their staff members with the necessary foreign language competencies. As a reflection of societal and institutional globalization processes,

dedicated language teachers strive to adjust teaching methods to new student identities, the availability of advanced learning technologies, and social media enabling multiple forms of cross-border contact. Thus, understanding the situation of contemporary university language teaching requires a consideration of macro-level social changes, institutional policies, as well as developments in classroom practice. The point of departure is the case of Denmark. The problems addressed and the remedies offered, however, apply to all non-anglophone universities with the ambition to stay competitive in the global market of university education. The book includes contributions from foreign and second language teaching specialists representing a broad spectrum of Danish universities and years of sustained scholarly effort to improve the standard of university language teaching and the political recognition of the importance of advanced foreign language skills.

The Academic Librarian as Blended Professional employs a model that allows for individual and managerial reconceptualization of the librarian's role, also helping to mitigate obstacles to professional development both internal and external to the library. Using traditional and personal narrative, the book extends Whitchurch's blended professional model, designed to consider the merging of academicians' roles across several spheres of professional and academic influence in a higher education setting, to academic librarians. The book is significant due to its use of higher education theory to examine the professional identity of academic librarians and the issues impacting librarian professional development. The work offers a constructive, replicable research design appropriate for the analysis of librarians in other academic settings, providing additional insights into how these professionals might perceive their roles within the larger context of a higher education

environment. Following the application of the blended professional model, this book contends that academic librarians have similar roles concerning research, instruction, and service when compared to an institution's tenure-track faculty. The scope of professional productivity and the expectation of the librarians, though, are much less regimented. Consequently, the academic librarians find themselves in a tenuous working space where their blended role is inhibited by real and perceived barriers. Uses a model from the discipline of higher education in order to better conceptualize and understand the academic librarian's role in the institution Allows for the analysis and understanding of the librarian's identity and role in a context familiar to those outside of the academic library system Provides a unique understanding of both the library system and its librarians, explaining the nuances of the greater higher education collective

Wetlands for Water Pollution Control, Second Edition, covers the fundamental science and engineering principles relevant to the drainage and treatment of both storm and wastewater. Standard and novel design recommendations for predominantly constructed wetlands and related sustainable drainage systems are also provided to account for the interests of professional engineers and environmental scientists. This revised edition deals with the design, operation, maintenance, and water quality monitoring of traditional and novel wetland systems, but also provides information on the analysis of asset performance and modeling of treatment processes, along with performances of existing infrastructures in predominantly developed, but also developing countries, and the sustainability and economic issues involved. This new edition contains 10 new chapters, along with multidisciplinary, experimental, and modeling-orientated case study topics that include natural wetlands,

constructed treatment wetlands for pollution control, sustainable drainage systems, and specific applications, such as wetlands treating hydrocarbon and ammonia, as well as ecological sanitation systems recycling treated. Contains a broad overview of water and environmental engineering aspects relevant for the drainage and treatment of storm water and wastewater, respectively Includes standard and novel design, operation, monitoring and maintenance recommendations for predominantly constructed wetlands and related sustainable drainage systems Provides detailed solutions to pressing water quality challenges associated with constructed treatment wetlands, integrated constructed wetlands, sustainable flood retention basins, farm constructed wetlands and storm water ponds, and other sustainable biological filtration and treatment technologies linked to public health engineering

This book examines the current legal status of the international genetic information commons and proposes alternative management strategies.

Comprehensive Remote Sensing covers all aspects of the topic, with each volume edited by well-known scientists and contributed to by frontier researchers. It is a comprehensive resource that will benefit both students and researchers who want to further their understanding in this discipline. The field of remote sensing has quadrupled in size in the past two decades, and increasingly draws in individuals working in a diverse set of disciplines ranging from geographers, oceanographers, and meteorologists, to physicists and computer scientists. Researchers from a variety of backgrounds are now accessing remote sensing data, creating an urgent need for a one-stop reference work that can comprehensively document the development of remote sensing, from the basic principles, modeling and practical algorithms, to various applications. Fully comprehensive

coverage of this rapidly growing discipline, giving readers a detailed overview of all aspects of Remote Sensing principles and applications Contains 'Layered content', with each article beginning with the basics and then moving on to more complex concepts Ideal for advanced undergraduates and academic researchers Includes case studies that illustrate the practical application of remote sensing principles, further enhancing understanding

University rankings have gained popularity around the world and are now a significant factor shaping reputation. This second edition updates Ellen Hazelkorn's first comprehensive study of rankings from a global perspective, drawing in new original research and extensive analysis. It is essential reading for policymakers, managers and scholars.

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, 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.

Characterization of Semiconductor Heterostructures and Nanostructures is structured so that each chapter is devoted to a specific characterization technique used in the

understanding of the properties (structural, physical, chemical, electrical etc..) of semiconductor quantum wells and superlattices. An additional chapter is devoted to ab initio modeling. The book has two basic aims. The first is educational, providing the basic concepts of each of the selected techniques with an approach understandable by advanced students in Physics, Chemistry, Material Science, Engineering, Nanotechnology. The second aim is to provide a selected set of examples from the recent literature of the TOP results obtained with the specific technique in understanding the properties of semiconductor heterostructures and nanostructures. Each chapter has this double structure: the first part devoted to explain the basic concepts, and the second to the discussion of the most peculiar and innovative examples. The topic of quantum wells, wires and dots should be seen as a pretext of applying top level characterization techniques in understanding the structural, electronic etc properties of matter at the nanometer (and even sub-nanometer) scale. In this respect it is an essential reference in the much broader, and extremely hot, field of Nanotechnology. Comprehensive collection of the most powerful characterization techniques for semiconductors heterostructures and nanostructures Most of the chapters are authored by scientists that are world-wide among the top-ten in publication ranking of the specific field Each chapter starts with a didactic introduction on the technique The second part of each chapters deals with a selection of top examples highlighting the power of the specific technique to analyse the properties of semiconductors heterostructures and nanostructures

This book highlights the development and outcomes of research on and practical experience in science education in Taiwan. As the outcomes of the

scholarship on science education in Taiwan have garnered attention in science education communities around the world, this book gathers the most relevant research on Taiwan, presenting it in a cohesive overview that will move science education forward in terms of policy, research and practice. The use of computer vision systems to control manufacturing processes and product quality has become increasingly important in food processing. Computer vision technology in the food and beverage industries reviews image acquisition and processing technologies and their applications in particular sectors of the food industry. Part one provides an introduction to computer vision in the food and beverage industries, discussing computer vision and infrared techniques for image analysis, hyperspectral and multispectral imaging, tomographic techniques and image processing. Part two goes on to consider computer vision technologies for automatic sorting, foreign body detection and removal, automated cutting and image analysis of food microstructure. Current and future applications of computer vision in specific areas of the food and beverage industries are the focus of part three. Techniques for quality control of meats are discussed alongside computer vision in the poultry, fish and bakery industries, including techniques for grain quality evaluation, and the evaluation and control of fruit, vegetable and nut

quality. With its distinguished editor and international team of expert contributors, Computer vision technology in the food and beverage industries is an indispensable guide for all engineers and researchers involved in the development and use of state-of-the-art vision systems in the food industry. Discusses computer vision and infrared techniques for image analysis, hyperspectral and multispectral imaging, tomographic techniques and image processing
Considers computer vision technologies for automatic sorting, foreign body detection and removal, automated cutting and image analysis of food microstructure Examines techniques for quality control and computer vision in various industries including the poultry, fish and bakery, fruit, vegetable and nut industry

Each year, thousands of junior doctors apply for highly competitive training jobs in a variety of specialties. Obtaining a training job can be a difficult and stressful process, with some specialties attracting 40 applicants per post. This book helps doctors to improve their chances of getting that highly sought-after post. It is a wide-ranging, accessible guide to the application process, covering every step, from online application to the selection panel. It includes essential tips on career development, interview technique, and specialty-specific advice.

The new edition upholds the premise that knowledge

about research process and design is mandatory in today's health care arena, and that all nurses and midwives need to understand research findings and their implication for changing practice. It is completely revised with many new chapters. The text has been restructured into three sections. Section 1 Research Awareness sets the scene for the importance of nursing and midwifery research and provides an overview of research theory and practice as processes. Chapters on searching for and reviewing the literature provide detailed advice for undergraduates and facilitate access to research articles online. One of the new chapters discusses ethical issues in Australia and New Zealand. Section 2 Appreciation and Application provides a detailed discussion of qualitative, quantitative and mixed methods research approaches with many useful examples from the clinical area. Section 3 Conducting primary research is new and is designed to accommodate both undergraduate and postgraduate students in their research effort. Writing research proposals may be a requirement for undergraduates in their research program and postgraduates will find the information useful for undertaking a higher degree or applying for university or external funding. This final Section is also useful as a guide on disseminating and publishing conducted research findings. Combined Australian and New Zealand editorship ensures

greater trans-Tasman coverage, awareness and relevance. Contributions from international luminaries are balanced by a heightened focus on research conducted within Australia and New Zealand. New edition conscientiously recognises midwifery research as related to but independent from nursing. The research process-driven approach is directed towards 'consumers' of research, and the comprehensive coverage extends from undergraduate through to a postgraduate level of knowledge. Expanded pedagogy includes Key Terms and Learning Outcomes at the beginning of each chapter; Icons throughout that direct readers to web-based material; Evidence-based Tips, Research in Brief boxes and Points to Ponder for constant reinforcement that links evidence to practice. Integrated Tutorial Triggers with suggested answers provided and Multiple Choice Questions enable students to assess their understanding of key points. Evolve Website provides True/False questions and access to journal articles cited in the text, with additional reflective questions. Australian adaptation of Nursing Research: Lobiondo-Wood & Haber 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.

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.

4LTR Press solutions give students the option to choose the format that best suits their learning preferences. This option is perfect for those students who focus on the textbook as their main course resource. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

This guide aims to demystify the practices of scholarly journal publishing in English. The book focuses on practices, institutions and politics rather than language and writing. Drawing on 10 years of research into academic publishing and writing practices, it provides a guide for readers to relate to their own contexts and situations as they consider publishing.

This is the first research methods book to focus entirely on physical education and youth sport. It guides the reader through the whole research process; from the first steps to completion of a dissertation or practice-based project, and introduces key topics such as: formulating a research question qualitative approaches quantitative approaches mixed method research literature review case studies survey, interviews and focus groups data analysis writing the dissertation. Each chapter includes a full range of useful pedagogical features, including chapter summaries, practical activities, case studies, dialogues with active researchers and guidance on further reading and resources. With contributions from some of the world's best-known researchers in the field, this book is indispensable reading for all students and professionals working in physical education, youth sport, sports coaching and related subjects.

Becoming Metric-Wise: A Bibliometric Guide for Researchers aims to inform researchers about

metrics so that they become aware of the evaluative techniques being applied to their scientific output. Understanding these concepts will help them during their funding initiatives, and in hiring and tenure. The book not only describes what indicators do (or are designed to do, which is not always the same thing), but also gives precise mathematical formulae so that indicators can be properly understood and evaluated. Metrics have become a critical issue in science, with widespread international discussion taking place on the subject across scientific journals and organizations. As researchers should know the publication-citation context, the mathematical formulae of indicators being used by evaluating committees and their consequences, and how such indicators might be misused, this book provides an ideal tome on the topic. Provides researchers with a detailed understanding of bibliometric indicators and their applications Empowers researchers looking to understand the indicators relevant to their work and careers Presents an informed and rounded picture of bibliometrics, including the strengths and shortcomings of particular indicators Supplies the mathematics behind bibliometric indicators so they can be properly understood Written by authors with longstanding expertise who are considered global leaders in the field of bibliometrics

The pervasiveness of and universal access to modern Information and Communication

Technologies has enabled a popular new paradigm in the dissemination of information, art, and ideas. Now, instead of relying on a finite number of content providers to control the flow of information, users can generate and disseminate their own content for a wider audience. Open Source Technology: Concepts, Methodologies, Tools, and Applications investigates examples and methodologies in user-generated and freely-accessible content available through electronic and online media. With applications in education, government, entertainment, and more, the technologies explored in these volumes will provide a comprehensive reference for web designers, software developers, and practitioners in a wide variety of fields and disciplines.

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 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.

‘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.

The integration of post-socialist Central and Eastern Europe into the EU is one of the success stories of European development. The region has seen significant economic convergence, dramatic changes in socio-economic indicators and improvements in the natural environment. However, some challenges remain, such as political divergence, public governance issues and population demographics. This book identifies and analyses the key post-1990 developments across the New Member States at the sub-national and national levels, with frequent country-level and regional comparisons. Careful attention is paid to drawing out commonalities in development trajectories while appreciating each country's unique context. Drawing on the academic literature and illuminating empirical material, the broad range of topics discussed in the book paints a detailed picture of both change and stability in Central and Eastern Europe. It will be valuable reading for advanced students, researchers and policymakers in regional studies, European studies, human geography, political economy and transition economics.

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