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Scientists, Experts, and Civic Engagement

Walking a Fine Line

Routledge *How do scientists, scholars, and other experts engage with the general public and with the communities affected by their work or residing in their sites of study? Where are the fine lines between public scholarship, civic engagement, and activism? Must academics 'give back' once they collect data and publish results? In this volume, authors from a wide range of disciplines examine these relationships to assess how they can be fruitful or challenging. Describing the methodological and ethical issues that experts must consider when carrying out public scholarship, this book includes a checklist for critical factors of success in engagement and an examination of the role of digital social media in science communication. Illustrated by a range of case studies addressing environmental issues (climate change, resource use, post-disaster policy) and education, it offers an investigation into the levels and ways in which scholars can engage, and how and whether academics and experts who engage in community work and public scholarship are acknowledged and rewarded for doing so by their institutions. Also bringing into the debate the perspective of citizens who have collaborated with academics, the book offers an exploration of the democratizing potential of participatory action research.*

English-Medium Instruction at Universities

Global Challenges

Multilingual Matters *This book provides critical insights into the English-medium instruction (EMI) experiences which have been implemented at a number of universities in countries such as China, Finland, Israel, the Netherlands, South Africa, Spain and the USA, which are characterised by differing political, cultural and sociolinguistic situations. In particular, it reflects on the consequences of implementing EMI as an attempt to gain visibility and as a strategy in response to the need to become competitive in both national and international markets. The pitfalls and challenges specific to each setting are analysed, and the pedagogical issues and methodological implications that arise from the implementation of these programmes are also discussed. This volume will serve to advance our awareness about the strategies and tools needed to improve EMI at tertiary level.*

Strengthening Forensic Science in the United States

A Path Forward

National Academies Press *Scores of talented and dedicated people serve the forensic science community, performing vitally important work. However, they are often constrained by lack of adequate resources, sound policies, and national support. It is clear that change and advancements, both systematic and scientific, are needed in a number of forensic science disciplines to ensure the reliability of work, establish enforceable standards, and promote best practices with consistent application. Strengthening Forensic Science in the United States: A Path Forward provides a detailed plan for addressing these needs and suggests the creation of a new government entity, the National Institute of Forensic Science, to establish and enforce standards within the forensic science community. The benefits of improving and regulating the forensic science disciplines are clear: assisting law enforcement officials, enhancing homeland security, and reducing the risk of wrongful conviction and exoneration. Strengthening Forensic Science in the United States gives a full account of what is needed to advance the forensic science disciplines, including upgrading of systems and organizational structures, better training, widespread adoption of uniform and enforceable best practices, and mandatory certification and accreditation programs. While this book provides an essential call-to-action for congress and policy makers, it also serves as a vital tool for law enforcement agencies, criminal prosecutors and attorneys, and forensic science educators.*

Who Owns the World's Media?

Media Concentration and Ownership Around the World

Oxford University Press *Media ownership and concentration has major implications for politics, business, culture, regulation, and innovation. It is also a highly contentious subject of public debate in many countries around the world. In Italy, Silvio Berlusconi's companies have dominated Italian politics. Televisa has been accused of taking cash for positive coverage of politicians in Mexico. Even in tiny Iceland, the regulation of media concentration led to that country's first and only public referendum. Who Owns the World's Media? moves beyond the rhetoric of free media and free markets to provide a dispassionate and data-driven analysis of global media ownership trends and their drivers. Based on an extensive data collection effort from scholars around the world, the book covers thirteen media industries, including television, newspapers, book publishing, film, search engines, ISPs, wireless telecommunication and others, across a ten to twenty-five year period in thirty countries. In many countries--like Egypt, China, or Russia--little to no data exists and the publication of these chapters will become authoritative resources on the subject in those regions. After examining each country, Noam and his collaborators offer comparisons and analysis across industries, regions, and development levels. They also calculate overall national concentration trends beyond specific media industries, the market share of individual companies in the overall national media sector, and the size and trends of transnational companies in overall global media. This definitive global study of the extent and impact of media concentration will be an invaluable resource for communications, public policy, law, and business scholars in doing research and also for media, telecom, and IT companies and financial institutions in the private sector.*

How to Write a Good Scientific Paper

Pm286

Many scientists and engineers consider themselves poor writers or find the writing process difficult. The good news is that you do not have to be a talented writer to produce a good scientific paper, but you do have to be a careful writer. In particular, writing for a peer-reviewed scientific or engineering journal requires learning and executing a specific formula for presenting scientific work. This book is all about teaching the style and conventions of writing for a peer-reviewed scientific journal. From structure to style, titles to tables, abstracts to author lists, this book gives practical advice about the process of writing a paper and getting it published.

Library and Information Science Research in Asia-Oceania: Theory and Practice

Theory and Practice

IGI Global *Historically, the major Library and Information Science (LIS) research-producing centers of the world have largely been the universities and information institutions of North America, the United Kingdom, and Europe. This is changing with the growth of Asian economies, universities, and information industries. Library and Information Science Research in Asia-Oceania: Theory and Practice presents evolving and emerging research and development in the field of library and information science (LIS) in diverse countries in Asia-Oceania as the region continues to develop. This book is intended as a useful resource for LIS researchers, scholars, students, professionals, and practitioners, and is an appropriate text for courses in LIS. In addition, anyone interested in understanding the LIS field in the region will find this book a fascinating and enlightening read.*

National Broadcasting and State Policy in Arab Countries

Springer *A state-of-the-art analysis of the situation of national television in Arab countries, addressing what Arab national broadcastings today say about public policy and political opening. The essays deal with the reforms of public broadcasting organizations and the evolution, perspectives and issues of national broadcasting.*

Inter-Basin Water Transfer

Case Studies from Australia, United States, Canada, China and India

Cambridge University Press *Increasing demands for irrigation, domestic and industrial water have generated a massive growth world-wide in the number of large water infrastructure projects involving the transfer of water from basins considered to have surplus water to those where the demand for water has exceeded or is expected to exceed supplies. Using the experiences of projects in Australia, United States, Canada, China and India, this book examines case studies within the diverse geographical, climatic, economic, and policy regimes operating in these countries. It examines the water resources of Australia, the driest inhabited continent, and explores*

inter-basin water transfer projects in the United States, Canada, China and India, examining their benefits and impacts within these nations' contrasting economies and governance systems. This comprehensive and well-illustrated text will be of great interest to professionals and researchers in the fields of hydrology, water resources, and to those engaged in environmental science, policy and regulation.

Tracing English Through Time

Explorations in Language Variation : in Honour of Herbert Schendl on the Occasion of His 65th Birthday

Global Governance from Regional Perspectives

A Critical View

Oxford University Press *Global Governance from Regional Perspectives argues that the academic debate on global governance has neglected the combination of power with value constellations/culture. Both input and output legitimacy, for instance, or the exercise of control and influence are inextricably related to culture, worldviews, and values. The book questions theoretically the Western hegemonic and hence 'invisible' definition of governance and related concepts, as well as the Western hegemony over global governance institutions. It looks from the ground up whether, and how, alternative practices, institutions/networks, and concepts/norms of global governance are emerging in relation to emerging powers and regional integration systems. Global Governance from Regional Perspectives starts with a critical reading of global governance from multi-disciplinary views and engages with two important and under-studied aspects, notably how global governance can be measured and what lies behind such measurements, and questions the democratic deficit of global governance. The book provides a series of regional and country perspectives on global governance which engage with a specific example of an institution, process, or issue that is used to highlight why and how the western hegemonic views and practices of global governance are (or not) contested. The book offers a mapping of global governance phenomena in different regions of the world and a critical readings of those. As such this volume is different from all international relations or political science collections on global governance and also opens up a new field of study that has been hitherto neglected in sociological or cultural studies.*

Language Planning in Europe

Cyprus, Iceland and Luxembourg

Routledge *This volume focuses on language planning in Cyprus, Iceland and Luxembourg, explaining the linguistic diversity, historical and political contexts and current language situation (including language-in-education planning), the role of the media, the role of religion and the roles of non-indigenous languages. The authors are indigenous to the situations described, and draw on their experience and extensive fieldwork there. The three extended case studies contained in this volume draw together the literature on each of the polities to present an overview of the existing research available, while also providing new research-based information. The purpose of this volume is to provide an up-to-date overview of the language situation in each polity based on a series of key questions, in the hope that this might facilitate the development of a richer theory to guide language policy and planning in other polities where similar issues may arise. This book comprises case studies originally published in the journal Current Issues in Language Planning.*

Reconceptualizing English for International Business Contexts

A BELF Approach and its Educational Implications

Channel View Publications *This book presents a critique of current English as a Business Lingua Franca (BELF) practices using research conducted in Bosnia and Herzegovina. The authors identify English communication behaviors that hinder or promote success in the workplace, and trace these back to curricula and teaching practices. The authors suggest which skills employers need and expect from employees, and question whether English courses concerned with general academic English skills and business vocabulary are sufficient training for linguistically-complex workplaces. The book also examines whether the focus on achieving native-like proficiency with high grammatical standards and a strong emphasis on form are adequately preparing students who aspire to use English in professional contexts as a means to 'get their job done'.*

Diversity, Special Needs and Inclusion in Early Years Education

SAGE Publishing India *Instead of segregating children with special needs from the rest, Diversity, Special Needs, and Inclusion in Early Years Education argues for inclusiveness in educational institutions, through changes in curriculum and teaching methods. The book presents case studies from various countries as well as theoretical frameworks, models, approaches and projects on diversity and inclusion to effective implementation of programmes and practices for young children. Each chapter of the book has a unique contribution to understanding the aspects of inclusive education taken from international experience. This edited volume is for professionals and researchers in the field of special education, policy makers, parents and teachers, and school management. It would be of interest to people working on diversity and inclusive education as well as in early childhood education organisations. NGOs working in the area of special education will find this particularly useful.*

Social Media and Democracy

The State of the Field, Prospects for Reform

Cambridge University Press *A state-of-the-art account of what we know and do not know about the effects of digital technology on democracy.*

Handbook of International Research in Mathematics Education

Routledge *This third edition of the Handbook of International Research in Mathematics Education provides a comprehensive overview of the most recent theoretical and practical developments in the field of mathematics education. Authored by an array of internationally recognized scholars and edited by Lyn English and David Kirshner, this collection brings together overviews and advances in mathematics education research spanning established and emerging topics, diverse workplace and school environments, and globally representative research priorities. New perspectives are presented on a range of critical topics including embodied learning, the theory-practice divide, new developments in the early years, educating future mathematics education professors, problem solving in a 21st century curriculum, culture and mathematics learning, complex systems, critical analysis of design-based research, multimodal technologies, and e-textbooks. Comprised of 12 revised and 17 new chapters, this edition extends the Handbook's original themes for international research in mathematics education and remains in the process a definitive resource for the field.*

OECD Information Technology Outlook 2008

OECD Publishing *This 2008 edition of the OECD Information Technology Outlook analyses recent developments in the IT goods and services industries, and suggests that the outlook is for constrained but continued long-term growth.*

Multilingual Education Yearbook 2019

Media of Instruction & Multilingual Settings

Springer *This book offers essential insights into the challenges and complexities surrounding the medium of instruction (MOI), its impact on all languages and stakeholders in multilingual contexts, educational processes, developments and outcomes. MOI has been a prominent topic in recent debates on the role of languages in education in multilingual contexts, partly because prioritizing one language over others as the medium of instruction has a profound impact on all languages and stakeholders in multilingual contexts. These include, to name but a few, (language) teachers, teacher educators, students, and policymakers, as well as industries and enterprises built around the needs and expectations of these stakeholders. This book presents high-quality empirical research on education in multilingual societies. It highlights research findings that, in addition to providing descriptions of language learning, development and use in language contact and multilingual contexts, will help shape future language education policy and practices in multilingual societies.*

Subaltern Urbanisation in India

An Introduction to the Dynamics of Ordinary Towns

Springer *This volume decentres the view of urbanisation in India from large agglomerations towards smaller urban settlements. It presents the outcomes of original research conducted over three years on subaltern processes of urbanization. The volume is organised in four sections. A first one deals with urbanisation dynamics and systems of cities with chapters on the new census towns, demographic and economic trajectories of cities and employment transformation. The interrelations of land transformation, social and*

cultural changes form the topic of the "land, society, belonging" section based on ethnographic work in various parts of India (Karnataka, Himachal Pradesh, Arunachal Pradesh and Tamil Nadu). A third section focuses on public policies, governance and urban services with a set of macro-analysis based papers and specific case studies. Understanding the nature of production and innovation in non-metropolitan contexts closes this volume. Finally, though focused on India, this research raises larger questions with regard to the study of urbanisation and development worldwide.

Towards a New Paradigm for English Language Teaching

English for Specific Purposes in Asia and Beyond

Routledge This book proposes a new paradigm for English language teaching based on concepts from English for Specific Purposes (ESP) research and applications as well as from growing evidence relating pattern recognition to language learning ability. The contributors to the volume argue that learners should not try to become proficient all-around users of 'idealistic native-like' English, but instead should be realistic about what they need to acquire and how to go about achieving their specific goals. The book discusses the present situation by describing the status quo of English language education in Japan, taking into consideration recent trends of CLIL (content and language integrated learning), EMI (English medium instruction), and TBLT (task-based language teaching) as well as the work done on the Common European Framework of Reference for Languages (CEFR). It introduces new movements in ESP in Japan and in other Asian regions, covering topics ranging from genre analysis to corpus linguistics, and presents application examples of ESP practice in a range of educational situations in Japan from the graduate school level to elementary and middle school contexts. It also offers readers application examples of ESP practice in a range of business settings and expands the discussion to the global sphere where EAP and ESP are gaining importance as the number of ELF (English as a Lingua Franca) speakers continue to increase. The book will be of great interest to academics, researchers, and post-graduate students working in the fields of EFL and ESL.

Common Core Standards in Diverse Classrooms

Essential Practices for Developing Academic Language and Disciplinary Literacy

Stenhouse Publishers The Common Core State Standards require students to do more with knowledge and language than ever before. Rather than be mere consumers of knowledge, students must now become creators, critics, and communicators of ideas across disciplines. Yet in order to take on these new and exciting roles, many students need daily teaching with an extra emphasis on accelerating their academic communication skills. Common Core Standards in Diverse Classrooms describes seven research-based teaching practices for developing complex language and literacy skills across grade levels and disciplines: using complex texts, fortifying complex output, fostering academic interaction, clarifying complex language, modeling, guiding, and designing instruction. Most important, you will find clear descriptions and examples of how these essential practices can--and should--be woven together in real lessons. You will also find the following: Classroom activities based on the practices Dozens of classroom examples from lessons in different grade levels and disciplines Detailed lessons with annotations focused on language and literacy development Strategies and tools for building system-wide capacity for sustained growth in the practices Common Core Standards in Diverse Classrooms is a concise guide for helping us improve our practices to strengthen two vital pillars that support student learning: academic language and disciplinary literacy.

Preparing Teachers

Building Evidence for Sound Policy

National Academies Press Teachers make a difference. The success of any plan for improving educational outcomes depends on the teachers who carry it out and thus on the abilities of those attracted to the field and their preparation. Yet there are many questions about how teachers are being prepared and how they ought to be prepared. Yet, teacher preparation is often treated as an afterthought in discussions of improving the public education system. Preparing Teachers addresses the issue of teacher preparation with specific attention to reading, mathematics, and science. The book evaluates the characteristics of the candidates who enter teacher preparation programs, the sorts of instruction and experiences teacher candidates receive in preparation programs, and the extent that the required instruction and experiences are consistent with converging scientific evidence. Preparing Teachers also identifies a need for a data collection model to provide valid and reliable information about the content knowledge, pedagogical competence, and effectiveness of graduates from the various kinds of teacher preparation programs. Federal and state policy makers need reliable, outcomes-based information to make sound decisions, and teacher educators need to know how best to contribute to the development of effective teachers. Clearer understanding of the content and character of effective teacher preparation is critical to improving it and to ensuring that the same critiques and questions are not being repeated 10 years from now.

Digital Genres in Academic Knowledge Production and

Communication

Perspectives and Practices

<u>Channel View Publications</u> *This book presents an overview of the wide variety of digital genres used by researchers to produce and communicate knowledge, perform new identities and evaluate research outputs. It explores the role of digital genres in the repertoires of genres used by local communities of researchers to communicate both locally and globally, both with experts and the interested public, and sheds light on the purposes for which researchers engage in digital communication and on the semiotic resources they deploy to achieve these purposes. The authors discuss the affordances of digital genres but also the challenges that they pose to researchers who engage in digital communication. The book explores what researchers can do with these genres, what meanings they can make, who they interact with, what identities they can construct and what new relations they establish, and, finally, what language(s) they deploy in carrying out all these practices.*

Islamic Banking in Pakistan

Shariah-Compliant Finance and the Quest to make Pakistan more Islamic

<u>Routledge</u> *Islamic Banking and Finance (IBF) has become a growing force over the past three decades, with Pakistan being one of the IBF pioneers by converting to an 'interest-free' banking system in 1985. However, since independence in 1947, there has been continual tension over Pakistan's essential character, between Islamic Minimalists, who favour a Modernist interpretation of Islam, and those who favour an Islamic Maximalist interpretation that sees Pakistan as a model Islamic state. This book analyses the push to Islamize Pakistan and its financial system by Islamic revivalists, following the early 1947 debates in the original Constituent Assembly to the final 2002 ruling on IBF of the Shariat Appellate Bench of the Pakistan Supreme Court. It examines the practice and theory behind contemporary Islamic, "Shariah-compliant", banking. It offers extensive interviews with Pakistani Islamic bankers on the state of their industry and how they see it developing, and provides analysis on how the Islamic banks' customers differ from those of conventional ones. Presenting a critical analysis of Pakistan's IBF experience and offering a new insight into Pakistan's banking industry that illustrates broader political and social trends in the country, this book will be of interest to specialists on Islam, South Asia and International Economics.*

English-Medium Instruction and Translanguaging

<u>Multilingual Matters</u> *This book offers a critical exploration of definitions, methodologies and ideologies of English-medium instruction (EMI), contributing to new understandings of translanguaging as theory and pedagogy across diverse contexts. It brings together a number of conceptual and empirical studies on translanguaging in EMI at different educational levels, in a variety of countries, with different approaches to translanguaging, different named languages, and different policies. These studies include several underrepresented contexts across the globe, providing a broad view of how translanguaging in EMI is understood in these educational settings. Furthermore, this book addresses the complexities of translanguaging through a discussion of the affordances and constraints associated with the use of multiple linguistic resources in the EMI classroom.*

Reclaiming Food Security

<u>Routledge</u> *In this challenging work, the author argues that the goal of any food system should not simply be to provide the cheapest calories possible. A secure food system is one that affords people and nations – in both the present and future – the capabilities to prosper and lead long, happy, and healthy lives. For a variety of reasons, food security has come to be synonymous with cheap calorie security. On this measure, the last fifty years have been a remarkable success. But the author shows that these cheap calories have also come at great cost, to the environment, individual and societal well-being, human health, and the food sovereignty of nations. The book begins by reviewing the concept of food security, particularly as it has been enacted within agrifood and international policy over the last century. After proposing a coherent definition the author then assesses empirically whether these policies have actually made us and the environment any better off. One of the many ways the author accomplishes this task is by introducing the Food and Human Security Index (FHSI) in an original attempt to better measure and quantify the affording qualities of food systems. A FHSI score is calculated for 126 countries based on indicators of objective and subjective well-being, nutrition, ecological sustainability, food dependency, and food system market concentration. The final FHSI ranking produces many counter-intuitive results. Why, for example, does Costa Rica top the ranking, while the United States comes in at number fifty-five? The author concludes by arguing for the need to reclaim food security by returning the concept to something akin to its original spirit, identified earlier in the book. While starting at the level of the farm the concluding chapter focuses most of its attention beyond the farm gate, recognizing that food security is more than just about issues surrounding production. For example, space is made in this chapter to address the important question of, "What can we eat if not GDP?" We need, the author contends, a thoroughly sociological rendering of food security: a position that views food security not as a thing – or an end in itself – but as a process that ought to make people and the Planet better off.*

Environment, Media, and Popular Culture in Southeast Asia

Springer Nature *This book addresses the increasingly important subject of ecomedia by critically examining the interconnections between environment, ecology, media forms, and popular culture in the Southeast Asian region, exploring methods such as textual analysis, thematic analysis, content analysis, participatory ethnography, auto ethnography, and semi-structured interviewing. It is divided into four sections: I. Activism, Environment, and Indigeneity; II. Political, Ecologies and Urban Spaces; III. Narratives, Discourses, and Aesthetics; and IV. Imperialism, Nationalism, and Islands, covering topics such as broadcast media (radio and TV) and the environment; green cinema and ecodocumentaries, ecodigital art, digital environmental literature. It is of great interest to researchers, students, practitioners and scholars working in the area of humanities, media, communications, cultural studies, environmental humanities, environmental studies, and sustainability.*

Words for working

Professional and Academic English for International Business and Economics

Universitat de València *Words for Working ofereix una revisió actualitzada de conceptes, competències, habilitats comunicatives i recursos essencials per a l'aprenentatge i ús efectiu de l'anglès professional i acadèmic a l'entorn de l'economia i l'empresa internacional. El volum facilita als lectors el coneixement i el domini de la variació lingüística existent dins del llenguatge especialitzat (variació intercultural, geogràfica, textual, etc.), així com del seu funcionament en àrees de comunicació professional fonamentals en aquest àmbit (anglès empresarial, econòmic, financer, jurídic, etc.). El seu contingut inclou estratègies comunicatives i activitats didàctiques pràctiques tant per a la llavor professional com per a l'estudi i la investigació en anglès dins d'aquestes disciplines en el nou Espai Europeu d'Educació Superior.*

Cambridge International AS and A Level Biology

Hachette UK *This title covers the entire syllabus for Cambridge International Examinations' International AS and A Level Biology (9700). It is divided into separate sections for AS and A Level making it ideal for students studying both the AS and the A Level and also those taking the AS examinations at the end of their first year. - Explains difficult concepts using language that is appropriate for students around the world - Provides practice throughout the course with carefully selected past paper questions at the end of each chapter We are working with Cambridge International Examinations to gain endorsement for this title.*

Foresight and Innovation

How Companies are Coping with the Future

Springer *Foresight and Innovation is a guide for readers that are interested about the future. The book introduces a concept of futurist thinking, which includes anticipating, innovating and communicating about the futures. These concepts show how various organizations, all over the world are thinking, communicating and creating a better future.*

Africa Environment Outlook 2

Our Environment, Our Wealth

UNEP/Earthprint *This is the second comprehensive report on the state of Africa's environment, produced in collaboration with the African Ministerial Conference on the Environment (AMCEN). This report highlights the central position Africa's environment continues to play in sustainable development, as well as its potential to achieve progress in the implementation of the Millennium Development Goals. The report profiles Africa's environmental resources as an asset for the continent's development. It highlights the opportunities presented by the region's natural resource base to support the continent's development. It also underscores the concept of sustainable livelihoods, and the importance of the environmental initiatives in supporting them.*

Spinning the Semantic Web

Bringing the World Wide Web to Its Full Potential

MIT Press *A guide to the Semantic Web, which will transform the Web into a structured network of resources organized by meaning and relationships.*

The Art of Failure

An Essay on the Pain of Playing Video Games

MIT Press *Argues that video games are not fun but actually lead to feelings of frustration and incompetence and that video games are one of the few mediums that allow us to experience and experiment with failure.*

21st Century Education: A Reference Handbook

SAGE

Introducing English Linguistics International Student Edition

Cambridge University Press *A genuine introduction to the linguistics of English that provides a broad overview of the subject that sustains students' interest and avoids excessive detail. It takes a top-down approach to language beginning with the largest unit of linguistic structure, the text, and working its way down through successively smaller structures.*

Connecting Science and Engineering Education Practices in Meaningful Ways

Building Bridges

Springer *The need for a scientifically literate citizenry, one that is able to think critically and engage productively in the engineering design process, has never been greater. By raising engineering design to the same level as scientific inquiry the Next Generation Science Standards' (NGSS) have signaled their commitment to the integration of engineering design into the fabric of science education. This call has raised many critical questions...How well do these new standards represent what actually engineers do? Where do the deep connections among science and engineering practices lie? To what extent can (or even should) science and engineering practices co-exist in formal and informal educational spaces? Which of the core science concepts are best to leverage in the pursuit of coherent and compelling integration of engineering practices? What science important content may be pushed aside? This book, tackles many of these tough questions head on. All of the contributing authors consider the same core question: Given the rapidly changing landscape of science education, including the elevated status of engineering design, what are the best approaches to the effective integration of the science and engineering practices? They answered with rich descriptions of pioneering approaches, critical insights, and useful practical examples of how embodying a culture of interdisciplinarity and innovation can fuel the development of a scientifically literate citizenry . This collection of work builds traversable bridges across diverse research communities and begins to break down long standing disciplinary silos that have historically often hamstrung well-meaning efforts to bring research and practice from science and engineering together in meaningful and lasting ways.*

Science and the Citizen

Lulu.com

Digital Tools for Seamless Learning

IGI Global *In recent years, the use of technology has become increasingly integrated into classroom settings. By utilizing new innovations, students can be provided with a deeper learning experience. Digital Tools for Seamless Learning is a pivotal reference source for the latest scholarly material on the implementation of technology in modern classrooms and provides a thorough overview of how such applications assist in the learning process. Highlighting pedagogical approaches, theoretical foundations, and curriculum development strategies, this book is ideally designed for teachers, researchers, professionals, upper-level students, and practitioners actively involved in the education field.*

Cross-nationally Comparative, Evidence-based Educational Policymaking and Reform

Emerald Group Publishing *In this volume scholars and policymakers examine how large-scale assessments and quantitative data are used to inform policy-making at all levels of education worldwide, and how data can be used to better understand specific national and regional educational challenges.*

The Scientific Article in the Age of Digitization

Springer Science & Business Media *This book outlines the consequences of digitization for peer-reviewed research articles published in electronic journals. It is argued that digitization will revolutionize scientific communication. However, this study shows that this is not the case where scientific journals are concerned. Authors make little use of the possibilities offered by the digital medium; electronic peer review procedures have not replaced traditional ones, and users have not embraced new forms of interaction offered by some electronic journals.*

Africa Water Atlas

UNEP/Earthprint *This Africa Water Atlas is a visual account of Africa's endowment and use of water resources, revealed through 224 maps and 104 satellite images as well as some 500 graphics, hundreds of compelling photos plus a brief profile of the water situation in every country. These visual elements vividly illustrate a succinct narrative describing and analysing Africa's water issues and exemplifying them through the judiciious use of case studies. The Atlas tells the paradoxical story of a continent with adequate renewable water resources, but unequal access because the water is either abundant or scarce depending on the season or the place. it explores the opportunities to develop Africa's untapped water resources and human capacities to deliver safe drinking water and sanitation services to achieve the water-related Millennium Development Goals, As well as hydropower and irrigation services that help support livelihoods and boost economic development.*