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Photovoltaic Science and Technology

10-13 August 2015, Kerala, India

Transforming City Schools Through Art

Approaches to Meaningful K-12 Learning

The Power of Student Agency

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From Pathogenesis to Comprehensive Management

Calcium Signalling and Disease

Coronaviruses with Special Emphasis on First Insights Concerning SARS

Cultures and Disasters Management Education in India

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TRINITY HESTER

*Photovoltaic Science and
Technology* Springer

How can we promote the learning and well-being of all students, especially those who come from some of the most disadvantaged backgrounds? Anindya Kundu argues that we can fight against deeply rooted inequalities in the American educational system by harnessing student agency—each person’s unique capacity for positive change. To make his case, Kundu draws powerful narratives from a population of individuals who beat the odds to become academically and professionally successful. These strivers have overcome challenges such as broken families, homelessness, unexpected pregnancies, forms of abuse, incarceration, and more, to make it in the world. But it wasn’t simply individualism, tenacity, resilience, or grit that helped them. Rather, as Kundu illustrates, it was a combination of social and

cultural supports that paved the path towards their dreams, harnessing the inherent power of their agency. “Kundu’s book is much more than simply an academic contribution to the vast literature on education and social mobility. If his core ideas are taken seriously, this book can serve as a resource to educators, policymakers, community advocates, and others who seek to address the educational needs of vulnerable and disadvantaged students.” —From the Foreword by Pedro A. Noguera, distinguished professor of education, Graduate School of Education and Information Studies, UCLA
10-13 August 2015, Kerala, India John Benjamins Publishing Company
This book features high-quality papers presented at the International Conference on Computational Intelligence and Informatics (ICCI 2018), which was held on 28–29 December 2018 at the Department of Computer Science and Engineering, JNTUH College of Engineering, Hyderabad, India. The papers focus on

topics such as data mining, wireless sensor networks, parallel computing, image processing, network security, MANETS, natural language processing and Internet of things.

Transforming City Schools Through Art

Monash University
Publishing

This book presents the proceedings of International Conference on Emerging Research in Computing, Information, Communication and Applications, ERCICA 2020. The conference provides an interdisciplinary forum for researchers, professional engineers and scientists, educators and technologists to discuss, debate and promote research and technology in the upcoming areas of computing, information, communication and their applications. The book discusses these emerging research areas, providing a valuable resource for researchers and practicing engineers alike. [Approaches to Meaningful K-12 Learning](#) Routledge
Henry Muoria (1914-97), self-taught journalist and pamphleteer, helped to inspire Kenya's

nationalisms before Mau Mau. The pamphlets reproduced here, in Gikuyu and English, contrast his own originality with the conservatism of Jomo Kenyatta, Kenya's first President. The contributing editors introduce Muoria's political context, tell how three remarkable women sustained his families' life; and remember him as father. Courageous intellectual, political, and domestic life here intertwine.

The Power of Student Agency IGI Global
Biomedical Natural Language Processing is a comprehensive tour through the classic and current work in the field. It discusses all subjects from both a rule-based and a machine learning approach, and also describes each subject from the perspective of both biological science and clinical medicine. The intended audience is readers who already have a background in natural language processing, but a clear introduction makes it accessible to readers from the fields of bioinformatics and computational biology, as well. The book is suitable as a reference, as well as a text for advanced

courses in biomedical natural language processing and text mining.
Advances in Spectroscopy: Molecules to Materials Palgrave Macmillan
Authors highlight several promising discoveries in the field of calcium signaling that provide new information about both genetic and acquired pathologies. Their discussions will give you new insights into the underlying causes of congenital and acquired diseases and point the way to new, even more promising research and therapies.

Proceedings of NCASMM 2018 Springer Nature
The merging of metasurface and holography brings about unprecedented opportunities for versatile manipulation of light in terms of both far-field wavefront and near-field profile. In this book, a brief evolving history from surface plasmon polariton holography to metamaterial holography and finally to metasurface holography is introduced at first. Basic physical mechanisms that govern the phase modulation rules behind metasurface holography design are discussed later. Next,

extended functionalities such as arbitrary polarization holography, vectorial holography, full-color holography, and hybrid holography achieved in the metasurface platform are presented. Surface wave and metagrating holography that bridges the on-chip surface wave and free-space wave is also introduced. In the end, we envisage practical applications of high-fidelity 3D holographic display, high-secure encryption, and high capacity digital encoding and also indicate remaining challenges based on metasurface holography.
The Life and Works of Henry Muoria Springer Nature
"Discusses the principles of operation of photovoltaic devices, their limitations, choice of materials and maximum efficiencies"--
Criminal Political Economies in South Asia College Art Assn Graduate Programs in Art History
The CAA Directory
College Art Assn
Metasurface Holography McGraw-Hill Education
This book is a compilation of writings focused on conventional and unconventional insect

products. Some of these products are commercial successes, while others are waiting to be launched and are the potential produce of the future. In addition to the well known products honey, mulberry silk, and lac, the book primarily concentrates on silk producing insects other than the mulberry silkworm, insects as food, as sources of medicines, pest and weed managers, and as pollinators. The book highlights the all pervasive role of insects in improving human lives at multiple levels. Accordingly, while most books on insects concentrate on how to limit growth in their population, it instead focuses on how to propagate them. In each chapter, the book brings to the fore how insects are far more beneficial to us than their well publicised harmful roles. This book approaches both unconventional and conventional insect products, such as honey, silk and lac in much more depth than the available literature. It investigates different aspects of the production of these insects, such as the related processes, problems and utilities, in dedicated chapters.

Because this book deals with the production of insects or their produce, it has been named Industrial Entomology, perhaps the only book that truly reveals the tremendous potential of insects to help humans live better lives. Based on the research and working experience of the contributors, who are global experts in their respective fields, it provides authentic, authoritative and updated information on these topics. The book offers a unique guide for students, teachers, policy planners, small scale industrialists, and government ministries of agriculture and industry across the globe. It will provide a much required stimulus to insect appreciation and generate enthusiasm for research and the broader acceptance for insect produce. Hopefully, it will also present the Indian perspective on these topics to a global readership.

Chemical Youth Springer International business is not a new phenomenon but the volume of international trade has increased substantially over the last few years. The economic climate around the world is manifested by landmarks:

the creation of EU, NAFTA, SAFTA, the emergence of modern markets in Central and Eastern Europe, the trade proliferation in North America and Pacific Rim, the upsurge of economic growth in Asia a whole. This book, a collection of research papers, has been developed with the aim to assess India's position in international business and financial services and to have an insight into the possibilities of further improvement of the business. The volume, *Emerging Trends in Financial Services and International Business* GJU (Hisar), intends to examine environmental, tactical and strategic issues of worldwide business. The scope of the research extends from the developed countries to under developed countries, with special emphasis upon developing countries like India. *Emerging Trends in International Business and Financial Services* is organized in three sections namely. Section-I: Financial Area, Section-II: International Business Area, Section-III: Miscellaneous Financial services area includes many contributions of current relevance, offering avenues for

further research. International business area highlights the critical components of international business. Many topics of topical interest are covered in the miscellaneous section. The whole amalgam of subjects covered in this publication is expected to be very useful for managers, consultants, teachers, and students. This book will significantly contribute towards knowledge base and research.

Towards Quality Standards and Global Competitiveness

Graduate Programs in Art History
The CAA Directory
This anthology places art at the center of meaningful urban education reform. Providing a fresh perspective, contributors describe a positive, asset-based community development model designed to tap into the teaching/learning potential already available in urban settings. Rather than focusing on a lack of resources, this innovative approach shows teachers how to use the cultural resources at hand to engage students in the processes of critical, imaginative investigation. Featuring personal narratives that reflect the

authors' vast experience and passion for teaching art, this resource: Offers a new vision for urban schools that reflects current directions of urban renewal and transformation. Highlights successful models of visual art education for the K-12 classroom. Describes meaningful, socially concerned teaching practices. Includes unit plans, a glossary of terms, and online resources. Contributors include Olivia Gude, James Haywood Rolling Jr., and Leda Guimarães. "This terrific, much-needed resource promises to become a classic in the field."
—Christine Marmé Thompson, Penn State University
Looking Beyond Grit to Close the Opportunity Gap
Emerald Group Publishing
Cancer cell biology research in general, and anti-cancer drug development specifically, still relies on standard cell culture techniques that place the cells in an unnatural environment. As a consequence, growing tumor cells in plastic dishes places a selective pressure that substantially alters their original molecular and phenotypic properties. The emerging field of

regenerative medicine has developed bioengineered tissue platforms that can better mimic the structure and cellular heterogeneity of in vivo tissue, and are suitable for tumor bioengineering research. Microengineering technologies have resulted in advanced methods for creating and culturing 3-D human tissue. By encapsulating the respective cell type or combining several cell types to form tissues, these model organs can be viable for longer periods of time and are cultured to develop functional properties similar to native tissues. This approach recapitulates the dynamic role of cell-cell, cell-ECM, and mechanical interactions inside the tumor. Further incorporation of cells representative of the tumor stroma, such as endothelial cells (EC) and tumor fibroblasts, can mimic the in vivo tumor microenvironment. Collectively, bioengineered tumors create an important resource for the in vitro study of tumor growth in 3D including tumor biomechanics and the effects of anti-cancer drugs on 3D tumor tissue.

These technologies have the potential to overcome current limitations to genetic and histological tumor classification and development of personalized therapies. *Tumor Organoids* Springer Biodiversity and Climate Change Adaptation in Tropical Islands provides comprehensive information on climate change, biodiversity, possible impacts, adaptation measures and policy challenges to help users rehabilitate and preserve the natural resources of tropical islands. While biodiversity and climate change of tropical islands has previously received less attention, it is ironically one of the most vulnerable regions in this regard. The core content of the work derives largely from the ideas and research output from various reputed scientists and experts who have recorded climate change impacts on aquatic and coastal life in tropical regions. Contributors have direct working experience with the tribes in some of the tropical islands. All of their expertise and information is compiled and presented in the work, including coverage related to climate change. This work highlights the

ever-growing need to develop and apply strategies that optimize the use of natural resources, both on land and in water and judicious use of biodiversity. It functions as a critical resource on tropical island biodiversity for researchers, academicians, practitioners and policy makers in a variety of related disciplines. Covers a huge range of biodiversity documentation, conservation measures and strategies that can be applied to various sectors, from forests to agriculture Brings together expertise from researchers in the area who have direct experience in the regions described Contains a wealth of field research related to biodiversity conservation and its applications from a variety of tropical islands Criticizing Photographs BRILL The land degradation due to salinity and waterlogging is a global phenomenon, afflicting about one billion hectares within the sovereign borders of at least 75 countries. Besides staring at the food security, it has far reaching and unacceptable socio-economic consequences

since a large proportion of this land is inhabited by smallholder farmers. The anthropogenic-environmental changes and the climate change are further adding to the problem of salinity and waterlogging. The phenomenon of sea-level rise will bring more areas under waterlogged salinity due to inundation by sea water. Thus, dealing with the salinity in reality is becoming a highly onerous task owing to its complex nature, uncertainty and differential temporal and spatial impacts. Nevertheless, with the need to provide more food, feed, fuel, fodder and fiber to the expanding population, and non-availability of new productive land, there is a need for productivity enhancement of these lands. In fact, the salt-affected and waterlogged lands cannot be neglected since huge investments have been made throughout the world in the development of irrigation and drainage infrastructure. The social, economic and environmental costs being high for the on-and/off-farm reclamation techniques, saline agriculture including agroforestry inculcated

with modern innovative techniques, is now emerging as a potential tool not only for arresting salinity and waterlogging but for other environmental services like mitigate climate change, sequester carbon and biodiversity restoration. This publication attempts to address a wide range of issues, principles and practices related to the salinity involved in rehabilitation of waterlogged saline soils and judicious use of saline waters including sea water. Many of the site specific case studies typical to the saline environment including coastal ecologies sustaining productivity, rendering environmental services, conserving biodiversity and mitigating climate change have been described in detail. Written by leading researchers and experts of their own fields, the book is a must, not only for salinity experts but also for policy makers, environmentalists, students and educationists alike. More importantly, it contributes to reversing the salinity trends and teaches to sustain with salinity ensuring the livelihood of resource-poor farming

families leaving in harsh ecologies including coastal areas which are more vulnerable to climate change.

Environmental Management of Marine Ecosystems Springer Science & Business Media
This brief text is designed to help both beginning and advanced students of photography better develop and articulate thoughtful criticism. Organized around the major activities of criticism (describing, interpreting, evaluating, and theorizing), Criticizing Photographs provides a clear framework and vocabulary for students' critical skill development.

Understanding Cultural Framings in Disaster Risk Reduction Morgan & Claypool Publishers
This book presents and discusses recent developments in the broad field of spectroscopy, providing the reader with an updated overview. The main objective is to introduce them to recent innovations and current trends in spectroscopy applied to molecules and materials. The book also brings together experimentalists and theoreticians to highlight the multidimensional aspects of spectroscopy

and discuss the latest issues. Accordingly, it provides insights not only into the general goals of spectroscopy, but also into how the various spectroscopic techniques represent a toolbox that can be used to gain a more detailed understanding of molecular systems and complex chemical problems. Besides technical aspects, basic theoretical interpretations of spectroscopic results are also presented. The spectroscopy techniques discussed include UV-visible absorption spectroscopy, Raman spectroscopy, IR absorption spectroscopy, fluorescence spectroscopy, and time-resolved spectroscopy. In turn, basic tools like lasers and theoretical modeling approaches are also presented. Lastly, applications for the characterization of fundamental properties of molecules (environmental aspects, biomolecules, pharmaceutical drugs, hazardous molecules, etc.) and materials (nanomaterials, nuclear chemistry materials, biomaterials, etc.) are discussed. Given its scope, the book offers a valuable resource for researchers from various

branches of science, and presents new techniques that can be applied to their specific problems.

Proceedings of the Third International Conference on Computational Intelligence and Informatics

Cambridge University Press
Provides biographical information, including career information and addresses, for notable Asian Americans in all fields of endeavour. The entries were selected on the basis of prominence in their fields or civic responsibility.

The Wild East Springer Science & Business Media
Why did the people of the Zambesi Delta affected by severe flooding return early to their homes or even choose to not evacuate? How is the forced resettlement of small-scale farmers living along the foothills of an active volcano on the Philippines impacting on their day-to-day livelihood routines? Making sense of such questions and observations is only possible by understanding how the decision-making of societies at risk is embedded in culture, and how intervention measures acknowledge, or neglect, cultural settings. The social

construction of risk is being given increasing priority in understand how people experience and prioritize hazards in their own lives and how vulnerability can be reduced, and resilience increased, at a local level. Culture and Disasters adopts an interdisciplinary approach to explore this cultural dimension of disaster, with contributions from leading international experts within the field. Section I provides discussion of theoretical considerations and practical research to better understand the important of culture in hazards and disasters. Culture can be interpreted widely with many different perspectives; this enables us to critically consider the cultural boundedness of research itself, as well as the complexities of incorporating various interpretations into DRR. If culture is omitted, related issues of adaptation, coping, intervention, knowledge and power relations cannot be fully grasped. Section II explores what aspects of culture shape resilience? How have people operationalized culture in every day life to establish DRR practice? What constitutes a

resilient culture and what role does culture play in a society's decision making? It is natural for people to seek refuge in tried and trust methods of disaster mitigation, however, culture and belief systems are constantly evolving. How these coping strategies can be introduced into DRR therefore poses a challenging question. Finally, Section III examines the effectiveness of key scientific frameworks for understanding the role of culture in disaster risk reduction and management. DRR includes a range of norms and breaking these through an understanding of cultural will challenge established theoretical and empirical frameworks. Molecular pathology of calcium Humana Press
In anthropology as much as in popular imagination, kings are figures of fascination and intrigue, heroes or tyrants in ways presidents and prime ministers can never be. This collection of essays by two of the world's most distinguished anthropologists--David Graeber and Marshall Sahlins--explores what kingship actually is, historically and

anthropologically. As they show, kings are symbols for more than just sovereignty: indeed, the study of kingship offers a unique window into fundamental dilemmas concerning the very nature of power, meaning, and the human condition. Reflecting on issues such

as temporality, alterity, piracy, and utopia--not to mention the divine, the strange, the numinous, and the bestial--Graeber and Sahlins explore the role of kings as they have existed around the world, from the BaKongo to the Aztec to the Shilluk to the

eighteenth-century pirate kings of Madagascar and beyond. Richly delivered with the wit and sharp analysis characteristic of Graeber and Sahlins, this book opens up new avenues for the anthropological study of this fascinating and ubiquitous political figure.

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