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Engaging the Public with Climate Change - Lorraine Whitmarsh 2012-06-25
Despite increasing public awareness of climate change, our behaviours relating to consumption and energy use remain largely unchanged. This book answers the urgent call for effective engagement methods to foster sustainable lifestyles, community action, and social change. Written by practitioners and academics, the chapters combine theoretical perspectives with case studies and practical guidance, examining what works and what doesn't, and

providing transferable lessons for future engagement approaches. Showcasing innovative thought and approaches from around the world, this book is essential reading for anyone working to foster real and lasting behavioural and social change.

Oilfield Chemistry and its Environmental Impact - Henry A. Craddock 2018-08-06
Consolidates the many different chemistries being employed to provide environmentally acceptable products through the upstream oil and gas industry This book discusses the development and

application of green chemistry in the oil and gas exploration and production industry over the last 25 years — bringing together the various chemistries that are utilised for creating suitable environmental products.

Written by a highly respected consultant to the oil and gas industry — it introduces readers to the principles and development of green chemistry in general, and the regulatory framework specific to the oil and gas sector in the North Sea area and elsewhere in the world. It also explores economic drivers pertaining to the application of green chemistry in the sector. Topics covered in *Oilfield Chemistry and its Environmental Impact* include polymer chemistry, surfactants and amphiphiles, phosphorus chemistry, inorganic salts, low molecular weight organics, silicon chemistry and green solvents. It also looks at sustainability in an extractive industry, examining the approaches used and the other methodologies that could be applied in the

development of better chemistries, along with discussions about where the application of green chemistry is leading in this industry sector. Provides the reader with a ready source of reference when considering what chemistries are appropriate for application to oilfield problems and looking for green chemistry solutions. Brings together the pertinent regulations which workers in the field will find useful, alongside the chemistries which meet the regulatory requirements. Written by a well-known specialist with a combined knowledge of chemistry, manufacturing procedures and environmental issues. *Oilfield Chemistry and its Environmental Impact* is an excellent book for oil and gas industry professionals as well as scientists, academic researchers, students and policy makers.

25th Southern Biomedical Engineering Conference 2009; 15 - 17 May, 2009, Miami, Florida, USA -

Anthony McGoron 2009-05-20

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th On behalf of the steering and organizing committees I would like to welcome you to sunny Miami Florida for the 25 Southern Biomedical Engineering Conference. This year we are excited to have visitors from all over North America, South American, Europe and Asia to share exciting developments in all areas of Biomedical Engineering. The main objective of this conference is to bring together students, researchers and clinicians in Biomedical Engineering to disseminate technical information in this rapidly growing field, and provide a forum consisting of established as well as new and future researchers in this exciting engineering field. This year's meeting features more than 140 high quality papers, many by students, for oral presentations and publication in the conference proceedings. The conference owes its success to the dedicated work of the keynote speakers, conference chairs, authors, participants, students,

organizers, and the College of Engineering and Computing webmaster. We wish to especially acknowledge the work of the peer reviewers, program committee, staff of the BME Department, and the student organizing committee. We also wish to acknowledge the sponsorship of the National Science Foundation and the International Federation of Medical and Biological Engineering, and Simpleware, Ltd. We hope that you enjoy your experience, make new collaborations and lasting friendships.

[The Surnames Handbook](#) - Debbie Kennett 2012-10-04 Every surname has its own story to tell, and a surname study is a natural complement to family history research. The study of surnames has been revolutionised in the last decade with the increasing availability of online resources, and it is now easier than ever before to explore the history, evolution, distribution and meaning of your family name. The Surnames Handbook provides a comprehensive

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guide to researching your surname using genealogical methods in conjunction with the latest advances in DNA testing and surname mapping. The book explores the key resources that are used to study a surname and is packed with links to relevant websites giving you everything you need to research your surname in one compact volume.

Cambridge IGCSE® Biology Coursebook with CD-ROM -

Mary Jones 2014-07-31

This edition of our successful series to support the Cambridge IGCSE Biology syllabus (0610) is fully updated for the revised syllabus for first examination from 2016.

Written by an experienced teacher and examiner, Cambridge IGCSE Biology Coursebook with CD-ROM gives comprehensive and accessible coverage of the syllabus content. Suggestions for practical activities are included, designed to help develop the required experimental skills, with full guidance included on the CD-ROM. Study tips throughout

the text, exam-style questions at the end of each chapter and a host of revision and practice material on the CD-ROM are designed to help students prepare for their examinations. Answers to the exam-style questions in the Coursebook are provided on the CD-ROM.

Turfgrass - John C. Stier
2020-01-22

Sustainability is a key framework for analyzing biological systems—and turfgrass is no exception. It is part of a complex that encompasses turfgrass interactions with different environments and the suitability of different turfgrasses for specific environments. In addition to its biological role, turfgrass—in the form of lawns, green spaces, and playing surfaces—brings beneficial sociological effects to an increasingly urbanized society. This book presents a comprehensive overview of current knowledge and issues in the field of turfgrass research and management, including the genetics and

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breeding, the diseases and pests, and the ecology of turfgrasses, and will appeal to a broad spectrum of readers. Cancer, Radiation Therapy, and the Market - Barbara Bridgman Perkins 2017-08-16

Appraising cancer as a major medical market in the 2010s, Wall Street investors placed their bets on single-technology treatment facilities costing \$100-\$300 million each. Critics inside medicine called the widely-publicized proton-center boom "crazy medicine and unsustainable public policy." There was no valid evidence, they claimed, that proton beams were more effective than less costly alternatives. But developers expected insurance to cover their centers' staggeringly high costs and debts. Was speculation like this new to health care? Cancer, Radiation Therapy, and the Market shows how the radiation therapy specialty in the United States (later called radiation oncology) coevolved with its device industry throughout the twentieth-century. Academic

engineers and physicians acquired financing to develop increasingly powerful radiation devices, initiated companies to manufacture the devices competitively, and designed hospital and freestanding procedure units to utilize them. In the process, they incorporated market strategies into medical organization and practice. Although palliative benefits and striking tumor reductions fueled hopes of curing cancer, scientific research all too often found serious patient harm and disappointing beneficial impact on cancer survival. This thoroughly documented and provocative inquiry concludes that public health policy needs to re-evaluate market-driven high-tech medicine and build evidence-based health care systems.

Molecular Detection of Human Viral Pathogens - Dongyou Liu 2016-04-19

Despite being recognized and fought against over countless centuries, human viral pathogens continue to cause major public health problems

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worldwide—killing millions of people and costing billions of dollars in medical care and lost productivity each year. With contributions from specialists in their respective areas of viral pathogen research, *Molecular Detection of Human Viral Pathogens* provides a reliable reference on molecular detection and identification of major human viral pathogens. Each chapter briefly reviews the classification, epidemiology, clinical features, and diagnosis of one related viral pathogen or a group of them. The clinical sample collection and preparation procedures are outlined, and a selection of representative stepwise molecular detection protocols is covered. The chapters conclude with a discussion on further research requirements relating to improved diagnosis. With its judicious selection of streamlined, ready-to-use protocols for major human viral pathogens—including commercial kits—*Molecular Detection of Human Viral Pathogens* is an indispensable

tool for medical, veterinary, and industrial laboratory scientists involved in virus determination.

The Two Sides of Innovation

- Guido Buenstorf 2013-12-02

This volume is devoted to innovation with a special focus on its two sides, namely creation and destruction, and on its role in the evolution of capitalist economies. The first part of the book looks at innovation and its effects on economic performance, addressing issues of motives, behavioral rules under uncertainty, actor properties, and technology characteristics. The second part concentrates on potential consequences of innovative activities, in particular structural change, the “innovation-mediated” effect of skill-oriented policies on regional performance, the destructive effects of innovation activities, and the question whether novelty is always good. The role of innovation in the evolution of capitalism itself is discussed in the third part.

[Studies on Malacostraca: Lipke](#)

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Bijdeley Holthuis Memorial
Volume - Charles Fransen 2010

This volume is devoted to the memory of Lipke Bijdeley Holthuis who dedicated his life to the study of Crustacea. Included are over 50 papers written by his friends and colleagues mainly dealing with crustacean taxonomy and systematics.

The Globalization of
Motherhood - Wendy Chavkin
2010-09-13

Brings together research from the Global North and the Global South to illuminate how contemporary motherhood is changed by the processes of globalization.

The developing human brain -
Silvia A. Bunge

Technological advances in brain imaging, genetics, and computational modeling have set the stage for novel insights into the cognitive neuroscience of human development during childhood and adolescence. As the field has expanded, research in this area increasingly incorporates highly interdisciplinary approaches utilizing

sophisticated imaging, behavioral, and genetic methodologies to map brain, cognitive, and affective/social development. The articles in this Research Topic will highlight both the recent advances and future challenges inherent in this burgeoning interdisciplinary field. We invite both review articles and original research reports that consider any of the broad spectrum of topics within the field of developmental cognitive neuroscience.

**HCI International 2020 -
Late Breaking Papers:
Interaction, Knowledge and
Social Media** - Constantine

Stephanidis 2020-09-26
This book constitutes late breaking papers from the 22nd International Conference on Human-Computer Interaction, HCII 2020, which was held in July 2020. The conference was planned to take place in Copenhagen, Denmark, but had to change to a virtual conference mode due to the COVID-19 pandemic. From a total of 6326 submissions, a total of 1439 papers and 238

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posters have been accepted for publication in the HCII 2020 proceedings before the conference took place. In addition, a total of 333 papers and 144 posters are included in the volumes of the proceedings published after the conference as “Late Breaking Work” (papers and posters). These contributions address the latest research and development efforts in the field and highlight the human aspects of design and use of computing systems. The 54 late breaking papers address topics such as Interaction, Knowledge and Social Media.

The Great Degeneration - Niall Ferguson 2013-06-13

From the bestselling author of *The Ascent of Money* and *The Square and the Tower*, a searching and provocative examination of the widespread institutional rot that threatens our collective future. What causes rich countries to lose their way? Symptoms of decline are all around us today: slowing growth, crushing debts, increasing inequality, aging populations, antisocial

behavior. But what exactly has gone wrong? The answer, Niall Ferguson argues in *The Great Degeneration*, is that our institutions—the intricate frameworks within which a society can flourish or fail—are degenerating. With characteristic verve and historical insight, Ferguson analyzes the causes of this stagnation and its profound consequences for the future of the West. *The Great Degeneration* is an incisive indictment of an era of negligence and complacency—and to arrest the breakdown of our civilization, Ferguson warns, will take heroic leadership and radical reform.

Early Exchange between Africa and the Wider Indian Ocean World - Gwyn Campbell 2016-12-19

This volume comprises a selection of essays by scholars from a variety of disciplines that discuss the exchange relationship between Africa and the wider Indian Ocean world (IOW), a macro-region running from East Africa to

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China, from early times to about 1300 CE. The rationale for regarding this macro-region as a “world” is the central significance of the monsoon system which facilitated the early emergence of long-distance trans-IOW maritime exchange of commodities, peoples, plants, animals, technologies and ideas.

Climate Change

Geoengineering - Wil C. G. Burns 2013-07-22

In this book, eleven prominent authorities on climate change consider the legal, policy, and philosophical issues presented by geoengineering. The book asks: When, if ever, are decisions to embark on potentially risky climate modification projects justified? If such decisions can be justified, in a world without a central governing authority, who should authorize such projects and by what moral and legal right?

The Complete Guide to Fertility Awareness - Jane Knight 2016-11-03

Fertility Awareness is key to understanding sexual and

reproductive health at all life stages. It can be used to either plan or avoid pregnancy.

Fertility Awareness Methods (FAMs) are highly effective when motivated couples are taught by trained practitioners. These methods are in demand for ecological, medical, cultural, religious and moral reasons. The ability to control fertility naturally is a lifestyle choice. The Complete Guide to Fertility Awareness provides the science and methodology suitable for health professionals and a general audience. It covers reproductive physiology and the fertility indicators: temperature, cervical secretions and cycle length calculations. It explores ways to optimise conception and to manage conception delays.

Case studies and self-assessment exercises are included throughout. The book addresses the scientific credibility of new technologies including fertility apps, home test kits, monitors and devices.

The Complete Guide to Fertility Awareness offers: evidence-

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based information for general practitioners, practice nurses, school nurses, midwives, sexual health doctors and nurses a unique perspective on subfertility for gynaecologists and fertility nurses an authoritative source of reference for medical, nursing and midwifery students a straightforward and practical reference for new and experienced FAM users the core text for the FertilityUK Advanced Skills Course in Fertility Awareness

Insect Pests of Fruit Trees and Grapevine - Minos Tzanakakis
2021-05-07

The book covers the life history and control of over 200 species of harmful insects present in the Mediterranean Basin, and the information provided may also apply to other areas with a Mediterranean or subtropical climate, such as in areas of North and South America, southern Africa, Asia and Australia. The over 400 colour photographs gathered here will help the reader identify many of the cited species of insects.

Handbook of Research on

Mobility and Computing: Evolving Technologies and Ubiquitous Impacts - Cruz-Cunha, Maria Manuela
2011-04-30

Discusses the main issues, challenges, opportunities, and trends related to this explosive range of new developments and applications, in constant evolution, and impacting every organization and society as a whole. This two volume handbook supports post-graduate students, teachers, and researchers, as well as IT professionals and managers.

The Economics of Ecosystems and Biodiversity in National and International Policy Making - Patrick ten Brink 2011

First Published in 2011. Routledge is an imprint of Taylor & Francis, an informa company.

Evolution of Translational Omics - Institute of Medicine
2012-09-13

Technologies collectively called omics enable simultaneous measurement of an enormous number of biomolecules; for example, genomics investigates

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thousands of DNA sequences, and proteomics examines large numbers of proteins. Scientists are using these technologies to develop innovative tests to detect disease and to predict a patient's likelihood of responding to specific drugs. Following a recent case involving premature use of omics-based tests in cancer clinical trials at Duke University, the NCI requested that the IOM establish a committee to recommend ways to strengthen omics-based test development and evaluation. This report identifies best practices to enhance development, evaluation, and translation of omics-based tests while simultaneously reinforcing steps to ensure that these tests are appropriately assessed for scientific validity before they are used to guide patient treatment in clinical trials.

Cambridge IGCSE Biology 3rd Edition - D. G. Mackean
2014-10-31

The bestselling title, developed by International experts - now updated to offer

comprehensive coverage of the core and extended topics in the latest syllabus. - Covers the core and supplement sections of the updated syllabus - Supported by the most comprehensive range of additional material, including Teacher Resources, Laboratory Books, Practice Books and Revision Guides - Written by renowned, expert authors with vast experience of teaching and examining international qualifications We are working with Cambridge International Examinations to gain endorsement.

OCR A Level Biology Student - Adrian Schmit
2016-10-31

Encourage students to learn independently and build on their knowledge with this textbook that leads students seamlessly from basic biological concepts to more complicated theories. - Develop experimental, analytical and evaluation skills with activities that introduce the practicals required by OCR and other experimental investigations in Biology - Provide assessment

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guidance with synoptic questions and multiple choice questions throughout the book, and revision tips and skills all in one chapter - Strengthen understanding of key concepts with contemporary and engaging examples, illustrated with accessible diagrams and images - Give students the opportunity to apply their knowledge and understanding of all aspects of practical work with Test Yourself Questions and Exam Practice Questions - Offer detailed guidance and examples of method with a dedicated 'Maths in Biology' chapter and mathematical support throughout - Develop understanding with free online access to Test yourself Answers, an Extended Glossary, Learning Outcomes and Topic Summaries

Urban Water Security -

Robert C. Brears 2016-11-30
In the 21st Century, the world will see an unprecedented migration of people moving from rural to urban areas. With global demand for water projected to outstrip supply in the coming decades, cities will

likely face water insecurity as a result of climate change and the various impacts of urbanisation. Traditionally, urban water managers have relied on large-scale, supply-side infrastructural projects to meet increased demands for water; however, these projects are environmentally, economically and politically costly. Urban Water Security argues that cities need to transition from supply-side to demand-side management to achieve urban water security. This book provides readers with a series of in-depth case studies of leading developed cities, of differing climates, incomes and lifestyles from around the world, that have used demand management tools to modify the attitudes and behaviour of water users in an attempt to achieve urban water security. Urban Water Security will be of particular interest to town and regional planners, water conservation managers and policymakers, international companies and organisations with large water footprints, environmental and

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water NGOs, researchers, graduate and undergraduate students.

Digital Information - Hazel M. Woodward 2010

If the vision for the future of digital information is order, ease of access, discoverable resources and sustainable business models, how might this be achieved? In an information environment shaped by an ever growing and persistent demand for more and more digital content from every direction, it has become increasingly important that publishers, libraries and information professionals understand the challenges and opportunities of the Google environment. This book addresses these issues and carves out a strategy for the future of digital information. Put together by an international, cross-sectoral team of contributors, each authored chapter provides a snapshot of where we are now and considers how the barriers to success might be overcome and what the digital information environment might

look like if these issues are - or indeed are not - addressed.

They include: digital information: an overview of the landscape scholarly communications: the view from the library scholarly communications: the publisher's view e-books and scholarly communication futures digitizing the past: next steps for public sector digitization resource discovery who owns the content in the digital environment?

Readership: This book is essential reading for all library and information professionals as well as for researchers and library students. The book will also be of interest to publishers wishing to reconcile their own digital strategies with those of both information consumers and providers.

Law and Neuroscience - Michael Freeman 2011-02-10
Current Legal Issues, like its sister volume Current Legal Problems, is based upon an annual colloquium held at Univesity College London. Each year leading scholars from around the world gather

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to discuss the relationship between law and another discipline of thought. Each colloquium examines how the external discipline is conceived in legal thought and argument, how the law is pictured in that discipline, and analyses points of controversy in the use, and abuse, of extra-legal arguments within legal theory and practice. Law and Neuroscience, the latest volume in the Current Legal Issues series, offers an insight into the state of law and neuroscience scholarship today. Focussing on the inter-connections between the two disciplines, it addresses the key issues informing current debates.

Cowed: The Hidden Impact of 93 Million Cows on America's Health, Economy, Politics, Culture, and Environment - Denis Hayes
2015-03-09

From leading ecology advocates, a revealing look at our dependence on cows and a passionate appeal for sustainable living. In Cowed, globally recognized

environmentalists Denis and Gail Boyer Hayes offer a revealing analysis of how our beneficial, centuries-old relationship with bovines has evolved into one that now endangers us. Long ago, cows provided food and labor to settlers taming the wild frontier and helped the loggers, ranchers, and farmers who shaped the country's landscape. Our society is built on the backs of bovines who indelibly stamped our culture, politics, and economics. But our national herd has doubled in size over the past hundred years to 93 million, with devastating consequences for the country's soil and water. Our love affair with dairy and hamburgers doesn't help either: eating one pound of beef produces a greater carbon footprint than burning a gallon of gasoline. Denis and Gail Hayes begin their story by tracing the co-evolution of cows and humans, starting with majestic horned aurochs, before taking us through the birth of today's feedlot farms and the threat of mad cow

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disease. The authors show how cattle farming today has depleted America's largest aquifer, created festering lagoons of animal waste, and drastically increased methane production. In their quest to find fresh solutions to our bovine problem, the authors take us to farms across the country from Vermont to Washington. They visit worm ranchers who compost cow waste, learn that feeding cows oregano yields surprising benefits, talk to sustainable farmers who care for their cows while contributing to their communities, and point toward a future in which we eat less, but better, beef. In a deeply researched, engagingly personal narrative, Denis and Gail Hayes provide a glimpse into what we can do now to provide a better future for cows, humans, and the world we inhabit. They show how our relationship with cows is part of the story of America itself.

Bioethics, Law, and Human

Life Issues - D. Brian

Scarnecchia 2010-06-02

Provides an overview of the

Catholic perspective on some of the most controversial issues in today's society, covering reproductive technology, embryo adoption, contraception, abortion, family, same-sex marriage, euthanasia, and assisted suicide.

Intellectual Property Rights

- Mario Cimoli 2014

"This book analyses the impact of diverse intellectual property rights (IPR) regimes upon the development process". -- PAGE [1].

Whole Person Education in East Asian Universities -

Benedict S. B. Chan

2021-09-09

This book provides much new thinking on the phenomenon of whole-person education, a phenomenon which features strongly in East Asian universities, and which aims to develop students intellectually, spiritually, and ethically, to master critical thinking skills, to explore ethical challenges in the surrounding community, and to acquire a broad based foundation of knowledge in humanities, society, and nature. The book considers

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different approaches to whole person education, including Confucian, Buddhist, and Chinese perspectives, Western philosophy, and religion and interdisciplinary approaches. Overall, the book provides a comprehensive overview of whole person education, why it matters and how to implement it. Moreover, although the examples in the book are from East Asia, the discussion and the values involved are universal, important for the whole world.

The Social Organization of Sports Medicine - Dominic Malcolm 2012

This volume charts changing perceptions of sport within medical discourse, attempts by sports medicine providers to forge professional identities in response to these processes, the day-to-day experiences of deliverers of sports medicine and the reactions of recipients of that healthcare.

Medical Applications of Artificial Intelligence - Arvin Agah 2013-11-06

Enhanced, more reliable, and better understood than in the

past, artificial intelligence (AI) systems can make providing healthcare more accurate, affordable, accessible, consistent, and efficient. However, AI technologies have not been as well integrated into medicine as predicted. In order to succeed, medical and computational scientists must develop hybrid systems that can effectively and efficiently integrate the experience of medical care professionals with capabilities of AI systems. After providing a general overview of artificial intelligence concepts, tools, and techniques, Medical Applications of Artificial Intelligence reviews the research, focusing on state-of-the-art projects in the field. The book captures the breadth and depth of the medical applications of artificial intelligence, exploring new developments and persistent challenges.

Co-evolution of Intelligent Socio-technical Systems - Evangelia Mitleton-Kelly 2013-05-27

As the interconnectivity between humans through

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technical devices is becoming ubiquitous, the next step is already in the making: ambient intelligence, i.e. smart (technical) environments, which will eventually play the same active role in communication as the human players, leading to a co-evolution in all domains where real-time communication is essential. This topical volume, based on the findings of the Socionical European research project, gives equal attention to two highly relevant domains of applications: transport, specifically traffic, dynamics from the viewpoint of a socio-technical interaction and evacuation scenarios for large-scale emergency situations. Care was taken to investigate as much as possible the limits of scalability and to combine the modeling using complex systems science approaches with relevant data analysis.

AN Optimist's Tour of the Future - Mark Stevenson
2011-02-03

In the tradition of Bill Bryson's *A Short History of Nearly Everything*, a smart and

entertaining guide to the future of civilization When unexpectedly confronted with his own mortality, Mark Stevenson-a writer, deep-thinker, and stand-up comedian-began to ponder what the future holds for our species. "The past is a foreign country," writes Stevenson. "By my analysis it's a bit like France-in that I've been to parts of it and eaten some nice food there. But the future? The future is an unknown territory-and there isn't a guidebook." Thus, his ambition was born. Stevenson set out simply, asking, "What's next?" and then traveled the globe in pursuit of the answers. Along the way, he visited the Australian outback to visit the farmers who can save us from climate change, met a robot with mood swings, and talked to the Spaniard who's putting a hotel in space. While some might be overwhelmed, or even dismayed by the looming realities of genome sequencing, synthetic biology, a nuclear renaissance, and carbon scrubbing, Stevenson remains,

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well, optimistic. Drawing on his singular humor and storytelling to break down these sometimes complicated discoveries, An Optimist's Tour of the Future paints a wonderfully readable, and completely enthralling portrait of where we'll be when we grow up- and why it's not so scary. Watch a Video
Biology 2e - Mary Ann Clark
2018-04

Narratives of Hunger in International Law - Anne Saab
2019-04-30

This book explores the role that the language of international law plays in constructing understandings - or narratives - of hunger in the context of climate change. The story is told through a specific case study of genetically engineered seeds purportedly made to be 'climate-ready'. Two narratives of hunger run through the storyline: the prevailing neoliberal narrative that focuses on increasing food production and relying on technological innovations and private sector engagement, and the oppositional and

aspirational food sovereignty narrative that focuses on improving access to and distribution of food and rejects technological innovations and private sector engagement as the best solutions. This book argues that the way in which voices in the neoliberal narrative use international law reinforces fundamental assumptions about hunger and climate change, and the way in which voices in the food sovereignty narrative use international law fails to question and challenge these assumptions.

Epidemics - Sarah Dry 2010
Recent disease events such as SARS, H1N1 and avian influenza, and haemorrhagic fevers have focussed policy and public concern as never before on epidemics and so-called 'emerging infectious diseases'. Understanding and responding to these often unpredictable events have become major challenges for local, national and international bodies. All too often, responses can become restricted by implicit assumptions about who or what

is to blame that may not capture the dynamics and uncertainties at play in the multi-scale interactions of people, animals and microbes. As a result, policies intended to forestall epidemics may fail, and may even further threaten health, livelihoods and human rights. The book takes a unique approach by focusing on how different policy-makers, scientists, and local populations construct alternative narratives-accounts of the causes and appropriate responses to outbreaks- about epidemics at the global, national and local level. The contrast between emergency-oriented, top-down responses to what are perceived as potentially global outbreaks and longer-term approaches to diseases, such as AIDS, which may now be considered endemic, is highlighted. Case studies-on avian influenza, SARS, obesity, H1N1 influenza, HIV/AIDS, tuberculosis, and haemorrhagic fevers-cover a broad historical, geographical and biological range. As this book explores, it is often the

most vulnerable members of a population-the poor, the social excluded and the already ill-who are likely to suffer most from epidemic diseases. At the same time, they may be less likely to benefit from responses that may be designed from a global perspective that neglects social, ecological and political conditions on the ground. This book aims to bring the focus back to these marginal populations to reveal the often unintended consequences of current policy responses to epidemics. Important implications emerge - for how epidemics are thought about and represented; for how surveillance and response is designed; and for whose knowledge and perspectives should be included. Published in association with the Economic and Social Research Council (ESRC)

Cellulose Fibers: Bio- and Nano-Polymer Composites -
Susheel Kalia 2011-04-11

Because we are living in an era of Green Science and Technology, developments in

the field of bio- and nano-polymer composite materials for advanced structural and medical applications is a rapidly emerging area and the subject of scientific attention. In light of the continuously deteriorating environmental conditions, researchers all over the world have focused an enormous amount of scientific research towards bio-based materials because of their cost effectiveness, eco-friendliness and renewability. This handbook deals with cellulose fibers and nano-fibers and covers the latest advances in bio- and nano- polymer composite materials. This rapidly expanding field is generating many exciting new materials with novel properties and promises to yield advanced applications in diverse fields. This book reviews vital issues and topics and will be of interest to academicians, research scholars, polymer engineers and researchers in industries working in the subject area. It will also be a valuable resource for undergraduate and

postgraduate students at institutes of plastic engineering and other technical institutes.

Race and Reality - Guy P. Harrison 2010-05

For decades, social and biological scientists have amassed evidence demonstrating that the human species has no races, and that differences between groups called "races" are not biologically based. *Race and Reality* by Guy P. Harrison makes this knowledge accessible, and knocks the props out from under "scientific" arguments that have been used to justify racism.-Jefferson M. Fish, Professor Emeritus of Psychology, St. John's University, New York
In the beginning of this exceptional book, Harrison laments that he "should never have made it through 12 years of schooling before entering a university without ever hearing the important news that most anthropologists reject the concept of biological races." Then in a clear, concise, and very readable manner,

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Harrison explains why the scientists who study this subject have come to the conclusion that biological races do not exist. He goes on to clarify the many misconceptions surrounding race and athletic ability, racialized medicine, race and IQ, and interracial love, marriage, and parenthood. This is a very important, profound, enjoyable and enlightening book. It should go a long way in helping disprove man's most dangerous myth.-Robert W. Sussman, Professor of Anthropology, Washington University; Editor of Yearbook of Physical Anthropology and Editor Emeritus of American Anthropologist

The reality of human races is another commonsense "truth" destined to follow the flat Earth into oblivion. -JARED DIAMOND, evolutionary biologist

It's fashionable to say there are no races. But it's silly. -VINCENT SARICH, anthropologist

The concept of race has had a powerful impact on history and continues to shape the world today in profound ways. Most

people derive their attitudes about race from their family, culture, and education. Very few, however, are aware that there are vast differences between the popular notions of race and the scientific view of human diversity. Yet even among scientists, who understand the current evidence, there is great controversy regarding the definition of the term race or even the usefulness of thinking in terms of race at all. Drawing on research from diverse sources and interviews with key scientists, award-winning journalist Guy P. Harrison surveys the current state of a volatile, important, and confusing subject. Harrison's thorough approach explores all sides of the issue, including such questions as these: If analysis of the human genome reveals that all human beings are 99.9% alike, how meaningful are racial differences? Is the concept of race merely a cultural invention? If race distinctions are at least partially based in biological reality, how do we

decide the number of races? Are there just three or maybe 3 million? What do studies of racial attitudes reveal? Are we all, in one way or another, racists? How does race correlate with environmental and geographical differences? Are race-based drugs a good idea? How does race influence intelligence, athletic ability, and love interests? Harrison delves into these and many more intriguing, controversial, and important questions in this enlightening book. After reading *Race and Reality*, you will never think about race in the same way again. More praise for *Race and Reality*: Harrison challenges us to scrutinize our views about the reality of race and its social consequences, marshalling impressive data and cogent arguments to support his case against the validity of biological race categories. All there is, and all there has ever been, he says, is an arbitrary, cultural division of human beings into different races, based on the most superficial

criteria. This is a true work of enlightenment, one man's grass-roots effort to raise our collective consciousness to the absurdity of belief in the notion of race, and to raise awareness of the fundamental unity of humankind. -George Williamson, PhD, Department of Philosophy, University of Saskatchewan
Guy P. Harrison's comprehensive and engaging book should be required reading

[Sustainagility](#) - Patrick Dixon
2010-05-03

Sustainagility is about the ability to solve some of the world's most complex sustainability challenges with rapidly evolving business innovations, applications, methods, products and processes, adapted to changing situations. The book looks at how innovation and agility can save the world from the environmental disasters that face it. In addition, it sets forth positive ways in which businesses and individuals can deal with the issues and positively benefit from them.

Sustainagility includes text

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boxes containing shocking statistics about the destruction of our planet, short inspiring examples of how innovation has created new profitable business and helped the world, and personal messages from global leaders about sustainable innovation. Case studies of numerous well-known, high-profile companies are featured - demonstrating companies that have

successfully used innovative and agile ideas and processes to improve their businesses and fight some of the greatest threats to the world's ecosystems. Subjects covered include: Power; future cities; transport; manufacturing; water and wood; health and food; venture capital; carbon offsetting and banks; business agility and open innovation; 10 steps to profitable sustainability.