



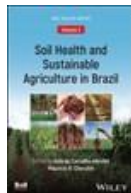
## Feminisms-Museums-Surveys : An Anthology

Hilary Robinson, Lara Perry  
9781119897576, 1119897572  
\$65.95 USD  
480 pages  
Paperback  
Art / Museum Studies

**Summary:** The first anthology of feminist art exhibition essays and museum publications, providing an exciting and valuable overview of recent developments in feminist curation

*Feminisms-Museums-Surveys: Exhibition Curating 2005-2022* brings together works from exhibition catalogs and museum publications to provide a comprehensive and timely view of the modern approach to feminist curating. Offering insights into how curators from around the world engage with different feminisms and select and exhibit feminist art, this one-of-a-kind anthology exemplifies the diversity of feminist thinking and curatorial approaches in the contemporary art museum.

This important volume comprises articles and essays drawn from publications which accompanied major curatorial projects from different regions around the globe, and each essay offers a unique critical interpretation of feminist art. Organized chronologically,



## Soil Health and Sustainable Agriculture in Brazil

Ieda Mendes, Mauricio R. Cherubin  
9780891187431, 089118743X  
\$145.00 USD  
432 pages  
Paperback  
Technology & Engineering / Agriculture / Agronomy  
Series: ASA, CSSA, and SSSA Books

**Summary:** A far-reaching survey showcasing the improvements made to soil health in Brazil

The maintenance of healthy soil resources provides the foundations for an array of global efforts and initiatives that affect humanity. Researchers, consultants, and farmers must be able to correctly examine and understand the complex nature of this essential, fragile resource. *Soil Health and Sustainable Agriculture in Brazil* provides a highly readable overview of the major cropping systems and management practices adopted in Brazil to improve soil health and sustain agricultural/forest production systems.

### Key Features

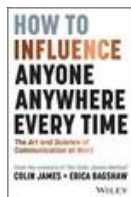
- Evolution of soil health concepts applied to modern agricultural systems in Brazil.
- Overview of the major cropping systems and management practices adopted in Brazil to improve soil health and sustain agricultural/forest production systems.



## Artificial Intelligence in Architecture

Matias del Campo  
9781394191215, 1394191219  
\$37.50 USD  
136 pages  
Paperback  
Architecture  
Series: Architectural Design

**Summary:** Artificial intelligence (AI) applications in architectural design have achieved a critical mass and exploded into the mainstream of architectural imaginations. From aspects of practical applications in design and construction to the implications for architecture theory to a plethora of novel tools for accelerated morphological studies, what has become clear is that the discipline is passing a threshold that fundamentally changes architecture as a whole. However, the most radical change is the interrogation and novel discussion of aspects of authorship and agency in design ecologies driven by synthetic imaginations. What does it mean for authorship when more than 50 per cent of the content is generated by a nonhuman player? The issue of authorship seems more pressing than ever. In a world that is being transformed by AI on a daily basis, what is the role of the sole genius, and designers, artists and architects? This *AD* dives deep into current discussions about the human positio...



## How to Influence Anyone, Anywhere, Every Time : The Art and Science of Communication at Work

Colin James, Erica Bagshaw  
9781394248643, 1394248644  
\$27.00 USD  
384 pages  
Paperback  
Business & Economics

**Inclusive Territories 2 : Role of Institutions and Local Actors**

Martine Brasseur, Annie Bartoli, Didier Chabaud, Pascal Grouiez, Gilles Rouet  
9781786308566, 1786308568

\$165.00 USD

208 pages

Hardcover

Business & Economics / Human Resources  
& Personnel Management

No image  
Available

**Summary:** Inequalities and other "social fractures" mark our contemporary economies and societies. While global approaches may have long been sufficient in the past, the focus today is on how local dynamics can make inclusion possible.

This two-volume collective work reports on these local dynamics, shedding light on how the creation of inclusive territories can be envisaged and developed. To this end, the involvement of public, private and associative organizations has been identified as one of the conditions for success. In fact, they act both as partners in a territory and as inclusive spaces.

*Inclusive Territories 2* focuses on local partnerships that promote inclusion, presenting existing arrangements and discussing conditions for their impetus.

**For Dummies****Selling Online For Dummies**

Paul Waddy

9780730394525, 0730394522

\$26.99 USD

400 pages

Paperback

Business & Economics / E-Commerce



**Summary: Transform your ecommerce ideas into profitable reality with this page-turning new handbook**

You've probably heard that online stores and ecommerce just had their best year in history. But have you ever wondered how to start selling online? Do you dream of staking out a piece of online real estate and grabbing a big share of that multi-billion-dollar industry?

In *Selling Online For Dummies*, accomplished exec and online shopping guru Paul Waddy shows you exactly how to get started in setting up your online shop. With an expert's eye for business, and an easy-to-understand take on the technical stuff, Waddy takes you from digital start to finish as he discusses topics like:

- How to find hot products to sell, and what to do if you don't have an idea for one yet
- Building a website from scratch by choosing the right platform

**Wiley****The Fast Future Blur**

The Preparation Company, Faculty From The Fast Future Executive

9781394220403, 1394220405

\$37.50 USD

240 pages

Hardcover

Business & Economics / Industries



**Summary: The future blurs strategy, business models, technology, work, and leadership — are you ready?**

*Fast Future Blur* provides invaluable insights and strategic frameworks to navigate the complexity of our current period of rapid and radical transformation ('Fast Future' phase). Focused on the interconnected nature of the evolution underway, the book serves as an eye-opener for business leaders, providing guidance in understanding this dynamic and complex landscape.

*Fast Future Blur* delves into 12 key areas of change, including platform businesses, regenerative innovation, artificial intelligence, the future of healthcare, the future of work, the future of mobility, blockchain, metaverse, virtual & augmented reality, leadership, agility, fintech, and the impact from 6 inter-connections.

With compelling, powerful, and timely insights from the Fast

**Wiley VCH****Structural Timber Design – (incl. ebook as PDF)**

W Seim

9783433303403, 3433034036

\$150.00 USD

400 pages

Paperback



## Project Management in the Construction Industry : From Concept to Completion

Saleh A. Mubarak

9781394221127, 1394221126

\$119.95 USD

416 pages

Hardcover

Technology & Engineering / Construction



**Summary: Reader friendly guide to construction project management through the lens of PMI's PMBOK® Guide, with management and leadership soft skills**

Comprehensive, up-to-date, and reader friendly, *Project Management in the Construction Industry* offers a construction-specific project management approach. This book focuses on project management in the construction industry, not just construction management—from project conception through to completion and even beyond. It includes guidance on project initiation in the private and public sector, real estate development, construction in the international environment, and key management and leadership soft skills for construction project management students entering the workforce.

This book offers practical examples and exercises by chapter using a step-by-step approach and includes real-world case studies to further aid in practical application. The author's well-known logical

## Imidazoline Inhibitors for Corrosion Protection of Oil Pipeline Steels : Experimental Laboratory Evaluation and Case Studies

Faysal Eliyan

9781119437536, 1119437539

\$175.00 USD

288 pages

Hardcover

Science / Mechanics / Fluids

No Image Available

**Summary: Comprehensive and consolidated resource covering the evaluation of imidazoline inhibitors for safeguarding pipeline steels against corrosion, with supporting case studies**

*Corrosion Inhibitors for Oil Pipelines* represents a comprehensive compilation of the experimental findings that delve into the evaluation of imidazoline inhibitors for safeguarding pipeline steels against corrosion, consolidating invaluable insights and discoveries from a multitude of investigations. The experimental methodologies employed encompass a diverse range of techniques, enabling a thorough exploration of the inhibitive properties of imidazoline compounds. The book explores the significance of various corrosion control strategies, including the utilization of a variety of inhibitors, the implementation of pigging techniques, the application of cathodic protection, and the relevant codes and standards.

## Membrane Technology in Energy Applications

Young Moo Lee

9783527347643, 352734764X

\$157.95 USD

400 pages

Hardcover

Technology & Engineering

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**Summary: Complete learning resource to understand membrane technology for gas, ion, and water transportation and/or separation**

This book provides important information on membranes for energy production as well as the recent key advances that have been made in the field. It benefits the reader not only by providing insight into the application of membranes in the energy industry, but also by explaining the principles or theories behind this important application, including the transport of small molecules such as gas, ion, and water.

Contributed by a world-renowned and long-standing expert in the field of membrane materials and processes, the book covers many important areas of interest, such as:

- The history of membrane science and technology
- Fundamentals of membrane technology, including

## Multiphase Transport of Hydrocarbons in Pipes

Juan J. Manzano-Ruiz, Jose G. Carballo

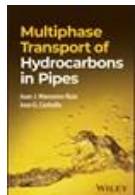
9781119888512, 1119888514

\$160.00 USD

352 pages

Hardcover

Technology & Engineering / Mechanical



**Summary: An introduction to multiphase flows in the oil and gas industry**

The term 'multiphase flow' refers to the concurrent flow of oil and/or gas, alongside other substances or materials such as production water, chemical inhibitors, and solids (e.g. sand). This is a critical topic in the oil and gas industry, where the presence of multiple flow phases in pipelines affects deliverability, generates serious complications in predicting flow performance for system design and operation, and requires specific risk mitigation actions and continuous maintenance. Chemical and Mechanical Engineers interested in working in this industry will benefit from understanding the basic theories and practices required to model and operate multiphase flows through pipelines, wells, and other components of the production system.

*Multiphase Transport of Hydrocarbons in Pipes* meets this need with a comprehensive overview of five decades of research into

**Introduction to Particle Technology (3rd Edition)**

Martin J. Rhodes, Jonathan K. P. Seville  
 9781119931102, 111993110X  
 \$84.95 USD  
 480 pages  
 Paperback  
 Technology & Engineering

**Summary: A new edition of the indispensable guide to particulates and powders**

Particle technology concerns the formation, processing and properties of the particles and powders which make up many of the products that surround us. Such products range from the cement and aggregate in the built environment to pharmaceuticals and processed foods. Most of the process industries involve particles, either as essential components such as catalysts or as intermediate or final products, and minerals such as the rare earths that are generally mined and processed in particulate form. Particles can have many beneficial uses but they can also cause harm in the environment and, through inhalation, to the individual. In all cases, the powder properties, particularly particle size, are crucially important.

This well-known textbook, now in its 3rd edition, provides an easily-understood introduction to the underlying scientific

**Portable and Wearable Sensing Systems : Techniques, Fabrication, and Biochemical Detection**

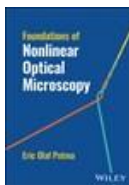
Qingjun Liu  
 9783527351831, 3527351833  
 \$185.00 USD  
 256 pages  
 Hardcover  
 Science / Chemistry / Analytic



**Summary:** Systematically introduces the development, the concept, principles, technology and applications of portable and wearable devices for biochemical detection.

**Foundations of Nonlinear Optical Microscopy**

Eric Potma  
 9781119814887, 111981488X  
 \$149.95 USD  
 448 pages  
 Hardcover  
 Science / Microscopes & Microscopy

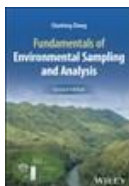
**Summary: Foundations of Nonlinear Optical Microscopy****Concise yet comprehensive resource presenting the foundations of nonlinear optical microscopy**

*Foundations of Nonlinear Optical Microscopy* brings together all relevant principles of nonlinear optical (NLO) microscopy, presenting NLO microscopy within a consistent framework to allow for the origin of the signals and the interrelation between different NLO techniques to be understood. The text provides rigorous yet practical derivations, which amount to expressions that can be directly related to measured values of resolution, sensitivity, and imaging contrast.

The book also addresses typical questions students ask, and answers them with clear explanations and examples. Readers of this book will develop a solid physical understanding of NLO microscopy, appreciate the advantages and limitations of each

**Fundamentals of Environmental Sampling and Analysis (2nd Edition)**

Chunlong Zhang  
 9781119778561, 1119778565  
 \$169.95 USD  
 640 pages  
 Hardcover  
 Science / Chemistry / Organic

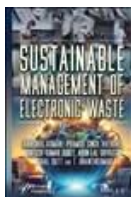
**Summary: A fully reworked and updated introduction to the fundamentals and applications of environmental sampling and analysis**

Environmental sampling and analysis are essential components of environmental data acquisition and scientific research. The acquisition of reliable data with respect to proper sampling, chemical and instrumental methodology, and QA/QC is a critical precursor to all environmental work. No would-be environmental scientist, engineer, or policymaker can succeed without an understanding of how to correctly acquire, assess and use credible data.

*Fundamentals of Environmental Sampling and Analysis, 2<sup>nd</sup> edition* provides this understanding, with a comprehensive survey

**Sustainable Management of Electronic Waste**

Abhishek Kumar, Pramod Singh Rathore, Ashutosh Kumar Dubey, Arun Lal Srivastav,  
T. Ananth Kumar, Vishal Dutt  
9781394166176, 1394166176  
\$225.00 USD  
448 pages  
Hardcover  
Technology & Engineering / Materials  
Science / Electronic Materials



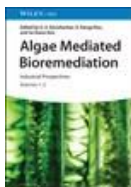
**Summary: SUSTAINABLE MANAGEMENT OF ELECTRONIC WASTE**

**Written and edited by a group of industry professionals, this new volume provides cutting-edge insights into how the sustainability of managing electronic waste can be achieved, for engineers, scientists, and students.**

As a result of the rapid advancement of technology and the globalization of the economy, waste electrical and electronic equipment (WEEE) management has become increasingly important. Manufacturers are especially concerned about the proper disposal of their waste, and researchers need to identify the obstacles and enablers that stand in the way of implementing a long-term WEEE management system in order to develop a long-term WEEE management system. Further, the literature did not adequately capture the perspectives of multiple stakeholders while also identifying the enablers required for the development of

**Algae Mediated Bioremediation : Industrial Prospectives, 2 Volumes**

G. A. Ravishankar, A. Ranga Rao, Se-Kwon Kim  
9783527352470, 3527352473  
\$285.00 USD  
752 pages  
Hardcover  
Science / Chemistry / Industrial & Technical



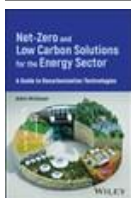
**Summary: Develop new methods for remediating pollution with this cutting-edge guide**

In a world where environmental remediation and pollution removal are becoming more critical with every passing day, the search for organic and sustainable solutions has never been more critical. Removing organic pollutants through the use of algae has become an especially promising avenue for bioremediation, with a far lower environmental impact than comparable mechanical, physical, or chemical approaches. The possibility of deriving bioenergy from the resulting biomass makes this approach even more potentially critical to a sustainable future.

*Algae Mediated Bioremediation* offers a cutting-edge overview of these processes and their applications. Its comprehensive approach to the problems of pollution abatement and the value of algae as environmental and biotechnological agents includes both practical solutions and key gaps in existing research.

**Net-Zero and Low Carbon Solutions for the Energy Sector : A Guide to Decarbonization Technologies**

Amin Mirkouei  
9781119982166, 1119982162  
\$150.00 USD  
320 pages  
Hardcover  
Science / Energy



**Summary: Guide to choosing and investing in decarbonization technologies to achieve net-/near-zero emissions targets across various industrial sectors**

*Net-Zero and Low Carbon Solutions for the Energy Sector* proposes mature (high technology readiness level) net-zero and low carbon pathways and technologies in the energy sector, discussing net-/near-zero solutions for producing and storing power, heat, biofuel, and hydrogen, and highlighting various pathways and processes to achieve net-zero targets and address climate concerns.

Each chapter provides a relevant case study to aid in the practical application of concepts, covering decarbonization solutions that have high potential to be used in the near future, such as solar-hybrid systems for net-zero power generation, CCUS-hybrid systems for low carbon power generation, pumped hydropower for power storage, commercial concentrating solar power plants for

**Mathematical Modeling of Complex Reaction Systems in the Oil and Gas Industry**

A Elyshev  
9781394220021, 1394220022  
\$155.00 USD  
320 pages  
Hardcover

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Available**Nucleic Acid-Based Nanomaterials : Stabilities and Applications**

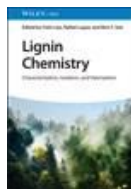
Yunfeng Lin, Shaojingya Gao  
 9783527352050, 3527352058  
 \$170.00 USD  
 208 pages  
 Hardcover  
 Science / Chemistry / Industrial &  
 Technical

**Summary:** comprehensively reviews the current research status, the biostability and diverse applications of nucleic acid nanomaterials.

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Available**RNA as a Drug Target : The Next Frontier for Medicinal Chemistry**

John Schneekloth, Martin Pettersson, Raimund Mannhold, Helmut Buschmann, Jörg Holenz  
 9783527351008, 3527351000  
 \$160.00 USD  
 236 pages  
 Hardcover  
 Medical / Pharmacology  
 Series: Methods & Principles in Medicinal  
 Chemistry

**Summary:** Addressing a long-standing challenge for medicinal chemists, this practical reference provides the concepts and tools for developing drug-like small molecules that selectively modulate non-coding RNAs. The introductory parts describes the wide range of druggable RNAs, available techniques for their characterization, binding assay development as well privileged structures in small molecule RNA binders. The main part systematically covers different RNA targets and how to approach them from a drug discovery angle, from splice modulation to riboswitches to targeted degradation, translation blockers and RNA modification. Throughout, the first successful examples of RNA-targeting drug candidates from the development pipeline of small and large pharmaceutical companies are discussed. This seminal reference on a new paradigm in drug discovery is required reading for every medicinal chemists who needs to stay abreast of current developments.

**Lignin Chemistry : Characterization, Isolation, and Valorization**

Yuhe Liao, Rafael Luque, Bert F. Sels  
 9783527351077, 3527351078  
 \$230.00 USD  
 480 pages  
 Hardcover  
 Science / Chemistry / Organic

**Summary:** A comprehensive overview that covers all aspects of lignin chemistry, including structure characterization, isolation, and valorization.

No Image  
Available**Carbohydrate Chemistry in the Total Synthesis of Naturally Occurring Glycosides**

Biao Yu, Xiaoyu Yang  
 9783527345199, 3527345191  
 \$148.95 USD  
 304 pages  
 Hardcover  
 Science / Chemistry / Physical &  
 Theoretical

**Summary:** Presents the successful synthesis of the representative and complex natural glycosides, as well as their respective origins, structural features, and biological activities.



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Available**Synthesizers and Subtractive Synthesis 1 : Theory and Overview**

Jean-Michel Réveillac  
9781786309242, 1786309246  
\$165.00 USD  
288 pages  
Hardcover  
Technology & Engineering / Acoustics & Sound

**Summary:** Subtractive sound synthesis has been one of the most widely used techniques in electronic music and for many analog synthesizers since the early 1960s.

It is based on a simple principle, but its operation remains complex, involving many parameters. It can be enriched by a variety of effects that give the sound its authenticity. It does not just imitate musical instruments, but can also transcribe noises present in natural soundscapes, or generate entirely synthetic sounds.

*Synthesizers and Subtractive Synthesis 1* presents the theoretical basis of a sound phenomenon, the different types of synthesis, the components that are required and present in synthesizers, the working environment specific to the study of subtractive synthesis, and the hardware and software available.

After reading the various chapters of this book, readers will have a

Wiley

**Science and Engineering of Polyphenols : Fundamentals and Industrial Scale Applications**

Chandrabhan Verma  
9781394203901, 139420390X  
\$275.00 USD  
624 pages  
Hardcover  
Science / Life Sciences / Biology

**Summary: A groundbreaking synthesis of rich and varied polyphenol research**

Polyphenols are a class of compounds, found naturally in fruits and vegetables, whose flexibility and ubiquity give them a vast range of applications in pharmaceutical, environmental, and biological research and development. They play a role in diagnosing and preventing diseases from diabetes to Parkinson's to Alzheimer's and have been integral in food preservation. The field of polyphenols research has the potential to touch virtually every area of organic production.

*Science and Engineering of Polyphenols* provides a current and comprehensive overview of this field of research and its latest developments. Long overdue as a 'state of the field' synthesis for an area of study that has seen rapid development in recent years, this book promises to be a milestone.

Wiley

**Photosynthesis-Assisted Energy Generation : From Fundamentals to Lab Scale and In-Field Applications**

Sathish-Kumar Kamaraj, Iryna Rusyn  
9781394172306, 1394172303  
\$200.00 USD  
416 pages  
Hardcover  
Technology & Engineering / Chemical & Biochemical

**Summary: Photosynthesis-Assisted Energy Generation**

**Describes the mechanisms of and potential for using microorganisms and plants as renewable power resources**

Bridging the knowledge gap between the fundamentals and the technological advances in biological photosynthesis-assisted energy generation, *Photosynthesis-Assisted Energy Generation* explores the various diverse light-harvesting biological systems for electricity generation and explains the fundamentals and applications from lab-scale to in-field. The text discusses the fundamentals of electron transfer mechanisms in photosynthetic systems, basic principles of bioelectricity generation, and materials involved in the construction of fuel cells, including not only the impact of higher plants, but also anoxygenic and oxygenic photosynthetic bacteria and microalgae on the performance of photosynthesis-assisted power generation systems.

Wiley-ISTE

**Looking at Ribozymes : Biology of Catalytic RNA**

Benoît Masquida  
9781786309778, 1786309778  
\$165.00 USD  
192 pages  
Hardcover  
Science / Life Sciences / Molecular Biology

**Summary:** Behind the neologism "ribozymes" lies a family of fascinating molecules, ribo-enzymes, which have been relatively little studied. These catalytically active RNAs are found in all strata of life, from viruses to the human genome.

At the end of the 1970s, the discovery of a catalytic RNA nestled in an intron, followed by another involved in the maturation of transfer RNAs, led to the discovery of new ribozymes and the transition from a strictly "proteocentric" vision, inherited from the dogma of molecular biology, to a more "nucleocentric" one. Since then, a variety of ribozymes have been identified in genomes, where their functions often remain mysterious.

*Looking at Ribozymes* traces the discovery of these molecules and presents a picture of their functional diversity, catalytic mechanisms and distribution within the tree of life.

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**Pen Testing from Contract to Report**

Alfred Basta, Nadine Basta, Waqar Anwar  
 9781394176786, 1394176783  
 \$98.95 USD  
 672 pages  
 Hardcover  
 Computers / Security

**Summary: Pen Testing from Contract to Report****Protect your system or web application with this accessible guide**

Penetration tests, also known as 'pen tests', are a means of assessing the security of a computer system by simulating a cyber-attack. These tests can be an essential tool in detecting exploitable vulnerabilities in a computer system or web application, averting potential user data breaches, privacy violations, losses of system function, and more. With system security an increasingly fundamental part of a connected world, it has never been more important that cyber professionals understand the pen test and its potential applications.

*Pen Testing from Contract to Report* offers a step-by-step overview of the subject. Built around a new concept called the Penetration Testing Life Cycle, it breaks the process into phases,

**Wiley-ISTE****Geographical Data Imperfection 2 : From Theory to Applications**

Mireille Batton-Hubert, Francois Pinet, Eric Desjardin  
 9781786302984, 1786302985  
 \$165.00 USD  
 224 pages  
 Hardcover  
 Computers / Programming / Algorithms

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**Summary:** Geographical data often contains imperfections associated with insufficient precision, errors or incompleteness. If these imperfections are not identified, taken into account and controlled when using the data, the potential for errors may arise, leading to significant consequences with unforeseeable effects, particularly in a decisionmaking context. It is then necessary to characterize and model this imperfection, and take it into account throughout the process.

In the previous volume, we introduced different approaches for defining, representing and processing imperfections in geographic data. Volume 2 will now present a number of concrete applications in a variety of fields, demonstrating the practical application of the methodology to use cases such as agriculture, natural disaster management, mountain hazards, land management and assistance for the visually impaired.

**Wiley-Scrivener****Advances in Aerial Sensing and Imaging**

Sandeep Kumar, Nageswara Rao Moparthi, Abhishek Bhola, Ravinder Kaur, A. Senthil, K.M.V.V. Prasad  
 9781394174690, 1394174691  
 \$225.00 USD  
 432 pages  
 Hardcover  
 Computers / Artificial Intelligence

**Summary: Advances in Aerial Sensing and Imaging**

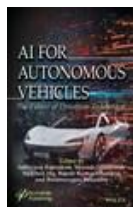
**This groundbreaking book is a comprehensive guide to the technology found in the complex field of aerial sensing and imaging, and the real-world challenges that stem from its growing significance and demand.**

The advent of unmanned aerial vehicles (UAVs), or drones, along with advancements in sensor technology and image processing techniques, has further enhanced the capabilities and applications of aerial sensing and imaging. These developments have opened up new research, innovation, and exploration avenues.

Aerial sensing and imaging have rapidly evolved over the past few decades and have revolutionized several fields, including land cover and usage prediction, crop and livestock management, road accident monitoring, poverty estimation, defense, agriculture, forest fire detection, UAV security issues, and open parking

**Wiley-Scrivener****AI for Autonomous Vehicles**

Sathiyaraj Rajendran, Munish Sabharwal, Yu-Chen Hu, Rajesh Kumar Dhanaraj, Balamurugan Balusamy  
 9781119847465, 111984746X  
 \$195.00 USD  
 262 pages  
 Hardcover  
 Computers / Artificial Intelligence  
 Series: Advances in Data Engineering and Machine Learning



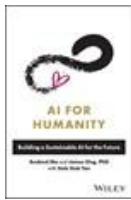
**Summary:** With the advent of advanced technologies in AI, driverless vehicles have elevated curiosity among various sectors of society. The automotive industry is in a technological boom with autonomous vehicle concepts. Autonomous driving is one of the crucial application areas of Artificial Intelligence (AI). Autonomous vehicles are armed with sensors, radars, and cameras. This made driverless technology possible in many parts of the world. In short, our traditional vehicle driving may swing to driverless technology. Many researchers are trying to come out with novel AI algorithms that are capable of handling driverless technology. The current existing algorithms are not able to support and elevate the concept of autonomous vehicles. This addresses the necessity of novel methods and tools focused to design and develop frameworks for autonomous vehicles.

There is a great demand for energy-efficient solutions for managing the data collected with the help of sensors. These operations ar..



**AI for Humanity : Building a Sustainable AI for the Future**

Andeed Ma, James Ong, Siok Siok Tan  
 9781394180301, 1394180306  
 \$45.00 USD  
 288 pages  
 Hardcover  
 Computers / Artificial Intelligence

**Summary: Capture the value of cutting-edge AI while mitigating its most salient risks**

*AI For Humanity: Building a Sustainable AI for the Future* delivers an incisive and timely discussion of how to design, build, and implement cutting-edge AI in for-profit firms and other organizations in a responsible, sustainable, and ethical way. The book walks you through the three pillars of human-focused AI development—governance, technology, and commercialization—and dives deep into each one, showing you how to create

AI products and services that better humanity and advance universally held values. You'll find methodologies and frameworks that mitigate against some of the most profound and unsettling risks of unchecked artificial intelligence development, and roadmaps to help you avoid the numerous pitfalls and traps awaiting unsuspecting companies, managers, and executives.

**Wiley-ISTE****Artificial Intelligence in Health**

Marianne Sarazin  
 9781786308894, 1786308894  
 \$165.00 USD  
 240 pages  
 Hardcover  
 Computers / Artificial Intelligence

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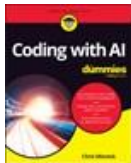
**Summary:** Undeniable, inescapable, exhilarating and breaking free from the exclusive domain of science, artificial intelligence has become our main preoccupation.

A major generator of new mathematical thinking, AI is the result of easy access to information and data, as facilitated by computer technology. Big Data has come to be seen as an unlimited source of knowledge, the use of which is still being fully explored, but its industrialization has swiftly followed in the footsteps of mathematicians; today's tools are increasingly designed to replace human beings, which comes with social and philosophical consequences.

Drawing on examples of scientific work and the insights of experts, this book offers food for thought on the consequences and future of AI technology in education, health, the workplace and aging.

**For Dummies****Coding with AI For Dummies**

Chris Minnick  
 9781394249138, 1394249136  
 \$29.99 USD  
 320 pages  
 Paperback  
 Computers / Artificial Intelligence / Expert Systems

**Summary: Boost your coding output and accuracy with artificial intelligence tools**

*Coding with AI For Dummies* introduces you to the many ways that artificial intelligence can make your life as a coder easier. Even if you're brand new to using AI, this book will show you around the new tools that can produce, examine, and fix code for you. With AI, you can automate processes like code documentation, debugging, updating, and optimization. The time saved thanks to AI lets you focus on the core development tasks that make you even more valuable. Learn the secrets behind coding assistant platforms and get step-by-step instructions on how to implement them to make coding a smoother process. Thanks to AI and this Dummies guide, you'll be coding faster and better in no time.

- Discover all the core coding tasks boosted by artificial intelligence

**Wiley-Scrivener****Conversational Artificial Intelligence**

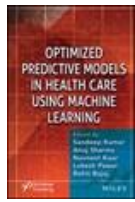
Romil Rawat, Rajesh Kumar Chakrawarti, Sanjaya Kumar Sarangi, Piyush Vyas, A. Mary Sowjanya, Kotagiri Srividya, K. Sakthidasan Sankaran  
 9781394200566, 1394200560  
 \$275.00 USD  
 800 pages  
 Hardcover  
 Computers / Artificial Intelligence



**Summary:** Conversational AI combines natural language processing (NLP) with traditional software like chatbots, voice assistants, or an interactive voice recognition system to help customers through either a spoken or typed interface. Conversational chatbots that respond to questions promptly and accurately to help customers are a fascinating development since they make the customer service industry somewhat self-sufficient. A well-automated chatbot can decimate staffing needs, but creating one is a time-consuming process. Voice recognition technologies are becoming more critical as AI assistants like Alexa become more popular. Chatbots in the corporate world have advanced technical connections with clients thanks to improvements in artificial intelligence. However, these chatbots' increased access to sensitive information has raised serious security concerns. Threats are one-time events such as malware and DDOS (Distributed Denial of Service) assaults. Targeted strikes on companies are...

## Optimized Predictive Models in Health Care Using Machine Learning

Sandeep Kumar, Anuj Sharma, Naveet Kaur, Lokesh Pawar, Rohit Bajaj  
9781394174621, 1394174624  
\$195.00 USD  
384 pages  
Hardcover  
Computers / Artificial Intelligence



**Summary:** OPTIMIZED PREDICTIVE MODELS IN HEALTH CARE USING MACHINE LEARNING

**This book is a comprehensive guide to developing and implementing optimized predictive models in healthcare using machine learning and is a required resource for researchers, healthcare professionals, and students who wish to know more about real-time applications.**

The book focuses on how humans and computers interact to ever-increasing levels of complexity and simplicity and provides content on the theory of optimized predictive model design, evaluation, and user diversity. Predictive modeling, a field of machine learning, has emerged as a powerful tool in healthcare for identifying high-risk patients, predicting disease progression, and optimizing treatment plans. By leveraging data from various sources, predictive models can help healthcare providers make informed decisions, resulting in better patient outcomes and

## Smart Edge Computing : An Operation Research Perspective

Rajdeep Chakraborty, Anupam Ghosh, Jyotsna Kumar Mandal, Tanupriya Choudhury, Prasenjit Chatterjee  
9781786308634, 1786308630  
\$165.00 USD  
272 pages  
Hardcover  
Computers / Distributed Systems / Cloud Computing

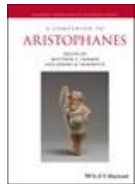
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**Summary:** This book pioneers the synergy between state-of-the-art edge computing technologies and the power of operations research. It comprehensively explores real-world applications, demonstrating how various operations' research techniques enhance edge computing's efficiency, reliability and resource allocation. Innovative solutions for dynamic task scheduling, load balancing and data management, all tailored to the unique challenges of edge environments, are displayed.

Starting with operation research methodologies with foundations, applications and research challenges in edge computing and an overview of digital education, this book continues with an exploration of applications in the health sector using IoT, intelligent payment procedures and performance measurement of edge computing, using edge computing and operation research. Smart or AI-based applications are also explored further on and the book ends with insight into ultralightweight and security protocols with solutions for...

## A Companion to Aristophanes

Matthew C. Farmer, Jeremy B. Lefkowitz  
9781119622888, 1119622883  
\$195.00 USD  
464 pages  
Hardcover  
History / Ancient / Greece  
Series: Blackwell Companions to the Ancient World



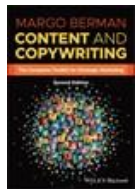
**Summary:** Provides a comprehensive and systematic treatment of the life and work of Aristophanes

*A Companion to Aristophanes* provides an invaluable set of foundational resources for undergraduates, graduate students, and scholars alike. More than a basic reference text, this innovative volume situates each of Aristophanes' surviving plays within discussion of key themes relevant to the study of the Aristophanic corpus. Throughout the *Companion*, an international panel of contributors incorporates material culture and performance context, offers methodological and theoretical insights into the study of Aristophanes, demonstrates the relevance of Aristophanes to modern life, and more.

Each chapter focused on a particular play is paired with a theme that is exemplified by that play, such as gender, sexuality, religion, ritual, and satire. With an emphasis on understanding Greek comedy and its ancient Athenian context, the text includes

## Content and Copywriting : The Complete Toolkit for Strategic Marketing (2nd Edition)

Margo Berman  
9781119866503, 1119866502  
\$68.95 USD  
424 pages  
Paperback  
Business & Economics / Advertising & Promotion



**Summary:** Provides what every writer needs to create powerful, strategic copy for multiple channels and platforms

*Content and Copywriting: The Complete Toolkit for Strategic Marketing* is a one-stop resource for writers in all communications fields who want to hone their skills and learn new ways to reach their audiences. Written by an award-winning copywriter, producer, and director, this comprehensive guide supplies the concepts, strategies, and techniques needed to consistently produce result-driven copy for everything from social media and interactive marketing to television, radio, transit, print and experiential campaigns. With a real-world approach, author Margo Berman clearly explains successful strategies and effective writing techniques while offering invaluable tips from industry professionals.

Extensively updated throughout, *Content and Copywriting*

**David Walker : The Politics of Racial Egalitarianism**

Sherrow O. Pinder  
 9781509548262, 1509548262  
 \$69.95 USD  
 224 pages  
 Hardcover  
 Social Science / Ethnic Studies / American  
 Series: Black Lives



**Summary:** David Walker, a free (with a small f) black man, was one of the most significant African-American abolitionists of the nineteenth century. Born in a slave society before moving to Boston where, after the American Revolutionary War, slavery was abolished, Walker devoted his life to fighting slavery and antiblack racism.

In this book, Sherrow O. Pinder brings to light Walker's lived experience, activism, and the synchronizing of his Christian principles and reformist radicalism to demonstrate why and how slavery must be eliminated. Walker's call for blacks to regain their natural rights guaranteed under God's law and the Declaration of Independence culminated in *An Appeal to the Coloured Citizens of the World*, an enormously influential work that is now considered a founding text of black studies.

Today, given the escalation of antiblack racism manifested in the

**David Walker : The Politics of Racial Egalitarianism**

Sherrow O. Pinder  
 9781509548279, 1509548270  
 \$24.95 USD  
 224 pages  
 Paperback  
 Social Science / Ethnic Studies / American  
 Series: Black Lives



**Summary:** David Walker, a free (with a small f) black man, was one of the most significant African-American abolitionists of the nineteenth century. Born in a slave society before moving to Boston where, after the American Revolutionary War, slavery was abolished, Walker devoted his life to fighting slavery and antiblack racism.

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Today, given the escalation of antiblack racism manifested in the

**Bioceramics in Endodontics**

Viresh Chopra  
 9781119898443, 1119898447  
 \$169.99 USD  
 336 pages  
 Hardcover  
 Medical / Dentistry



**Summary: Bioceramics in Endodontics**

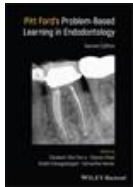
**Practical reference book in the emerging field of endodontics, focusing on overall makeup of dental bioceramics and relevant clinical situations in endodontics where various forms of bioceramics has been used to treat teeth successfully.**

*Bioceramics in Endodontics* is a highly unique resource that blends together detailed information on the physico-chemical and biological properties of bioceramics with their clinical application in endodontics, exploring history and chemistry, mechanical properties, advantages of bioceramics over other materials, and clinical cases with high definition pictures and videos demonstrating their usage across wide variety of clinical situations in endodontics.

Written by highly qualified authors with significant experience in

**Pitt Ford's Problem-Based Learning in Endodontology (2nd Edition)**

Elizabeth Shin Perry, Shanon Patel, Samantha Hamer, Shalini Kangasingam  
 9781119565970, 1119565979  
 \$99.95 USD  
 432 pages  
 Paperback  
 Medical / Dentistry / Endodontics



**Summary: Work through the fundamentals of endodontology with this fully updated guide**

*Pitt Ford's Problem-Based Learning in Endodontology, 2nd Edition* continues to serve as the essential introduction and reference to Endodontology. Comprehensively revised and updated in the light of new research and clinical evidence, the approach is problem-based with clinical scenarios to develop reader's knowledge and diagnostic skill. This new edition of has been prepared by an international team of clinical academics to reflect the latest advances in the field.

Encouraging self-directed learning, the authors include clinical cases across a wide range of topics, including non-odontogenic pain, pulp preservation, endodontic treatment, restoration, regenerative endodontic procedures, and trauma. Sections are complimented by accompanying images and further reading is provided.

## TECHNO-Nationalism : How It's Reshaping Trade, Geopolitics and Society

Alex Capri

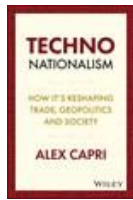
9781119766063, 1119766060

\$34.95 USD

352 pages

Hardcover

Political Science / International Relations / Trade & Tariffs



**Summary: Essential perspective on the emerging role of techno-nationalism in global relations, trade and geopolitics**

*TECHNO-Nationalism* holds that a nation's security, economic competitiveness and social stability are linked to the technological prowess of its institutions and enterprises. Alex Capri draws upon decades of experience in US-China commerce and reveals how techno-nationalism has accelerated Washington and Beijing's cold war. You'll see, firsthand, how the world is moving away from an open-market trading system of the past 70 years, and reverting to a fragmented, murky form of neo-mercantilism. This is a paradigm shift driven by the rise of China Inc.

The author presents high profile cases involving Huawei and other companies to demonstrate how techno-nationalism will disrupt not only global value chains for deep technologies such as semiconductors, AI and robotics, but also for data management

## Transforming Education with Virtual Reality

Reena Malik, Ambuj Sharma, Prashant Chaudhary

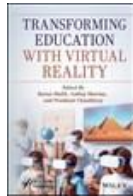
9781394199990, 1394199996

\$225.00 USD

432 pages

Hardcover

Education



**Summary: TRANSFORMING EDUCATION WITH VIRTUAL REALITY**

**The book provides an in-depth and comprehensive knowledge review of the use of virtual reality in the education industry and businesses.**

Virtual reality (VR) technology has thoroughly transformed education by providing engaging and immersive ways for students to experience their education and by offering visual learning, creative development, etc., to enhance their studies. Moreover, with increasing accessibility, both students and educators can utilize it for effective teaching and learning. By embracing this VR-related technology, teachers can transform traditional classrooms into lively ones. Businesses can also leverage VR for skilling, up-skilling, and re-skilling.

This book is divided into two parts. Part I discusses the

## Analog Devices and Circuits 2 : Analog Circuits

Christian Gontrand

9781786309006, 1786309009

\$165.00 USD

272 pages

Hardcover

Technology & Engineering / Electronics

No Image Available

**Summary:** At the end of the Second World War, a new technological trend was born: integrated electronics. This trend relied on the enormous rise of integrable electronic devices.

*Analog Devices and Circuits* is composed of two volumes: the first deals with analog components, and the second with associated analog circuits. The goal here is not to create an overly comprehensive analysis, but rather to break it down into smaller sections, thus highlighting the complexity and breadth of the field.

This first volume, after a brief history, describes the two main devices, namely bipolar transistors and MOS, with particular importance given to the modeling aspect. In doing so, we deal with new devices dedicated to radio frequency, which touches on nanoelectronics. We will also address some of the notions related to quantum mechanics. Finally, Monte Carlo methods, by essence statistics, will be introduced, which have become more and more important since the middle of the twentieth century.

## 5G Technology : 3GPP Evolution to 5G-Advanced (2nd Edition)

Harri Holma, Antti Toskala, Takehiro Nakamura

9781119816034, 1119816033

\$88.95 USD

656 pages

Hardcover

Technology & Engineering / Telecommunications

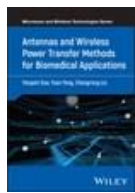


**Summary: 5G TECHNOLOGY**

**An Essential Insider's View of the Development Work of 5G Technology Up to Release 18**

5G brings new technology solutions to the 5G mobile networks, including new spectrum options, antenna structures, physical layer and protocols designs, and network architectures. *5G Technology: 3GPP Evolution to 5G-Advanced* is an accessible and comprehensive resource that offers explanations of 5G specifications and performance evaluations, aspects of device design, practical deployment considerations and illustrative examples from field experiences.

With contributions from a panel of international experts on the topic (industry insiders working at the forefront of development), the book presents the main new technology components in 5G and describes the physical layer, radio protocols, and network



## ANTENNAS AND WIRELESS POWER TRANSFER METHODS FOR BIOMEDICAL APPLICATIONS

9781119189916, 1119189918

\$135.00 USD

Wiley-Scrivener

## Digital Convergence in Antenna Design : Applications for Real-Time Solutions

P. Srividya, S. Ramya, Anitha Peram, Ashish Singh

9781119879701, 1119879701

\$195.00 USD

288 pages

Hardcover

Technology & Engineering / Electronics

Series: Digital Convergence in Engineering Systems

**Summary:** This book is intended to disseminate recent trends in antenna designs for real-time applications that leverage digital convergence. The book intends to report the latest research findings, as well as the state-of-the-art RF techniques related to antennas, RFID, filters, etc., with special emphasis on real-time applications like e-health, RADAR, and mobile and satellite communications.

The book can be used as a reference for researchers who want to explore the convergence of AI/ML/DL, big data, and IoT in the areas of antenna and advanced communication technologies for real-time applications. These real-time applications can include e-healthcare, intelligent transportation, aerospace, retail, manufacturing, industrial plants, and defense products where communications play a major role.



Wiley

## The Cybersecurity Guide to Governance, Risk, and Compliance

Jason Edwards, Griffin Weaver

9781394250196, 1394250193

\$110.00 USD

636 pages

Hardcover

Computers / Security / Network Security

**Summary: Understand and respond to a new generation of cybersecurity threats**

Cybersecurity has never been a more significant concern of modern businesses, with security breaches and confidential data exposure as potentially existential risks. Managing these risks and maintaining compliance with agreed-upon cybersecurity policies is the focus of Cybersecurity Governance and Risk Management. This field is becoming ever more critical as a result. A wide variety of different roles and categories of business professionals have an urgent need for fluency in the language of cybersecurity risk management.

*The Cybersecurity Guide to Governance, Risk, and Compliance* meets this need with a comprehensive but accessible resource for professionals in every business area. Filled with cutting-edge analysis of the advanced technologies revolutionizing cybersecurity—and increasing key risk factors at the same



Wiley-ISTE

## Finite Element Method to Model Electromagnetic Systems in Low Frequency

Francis Piriou, Stephane Clenet

9781786308115, 1786308118

\$165.00 USD

320 pages

Hardcover

Science / Physics / Electromagnetism

**Summary:** Numerical modeling now plays a central role in the design and study of electromagnetic systems. In the field of devices operating in low frequency, it is the finite element method that has come to the fore in recent decades. Today, it is widely used by engineers and researchers in industry, as well as in research centers.

This book describes in detail all the steps required to discretize Maxwell's equations using the finite element method. This involves progressing from the basic equations in the continuous domain to equations in the discrete domain that are solved by a computer. This approach is carried out with a constant focus on maintaining a link between physics, i.e. the properties of electromagnetic fields, and numerical analysis. Numerous academic examples, which are used throughout the various stages of model construction, help to clarify the developments.

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**Systems Science for Engineers and Scholars**

Avner Engel  
9781394211647, 1394211643  
\$130.00 USD  
496 pages  
Hardcover  
Computers / Management Information  
Systems



**Summary:** Brings a powerful toolkit to bear on engineering and scientific endeavors.

This book describes the fundamental principles of systems science so engineers and other scholars can put them into practical use at work and in their personal lives. Systems science aims to determine systemic similarities among different disciplines and to develop applicable solutions in many fields of inquiry.

*Systems Science for Engineers and Scholars* readers will discover:

- Ten systems science principles that open engineers' and scholars' horizons to practical insights related to their areas of interest
- A methodology for designing holistic systems that exhibit resilient behavior to overcome systems' context uncertainties
- The most critical current dilemma of humankind—the

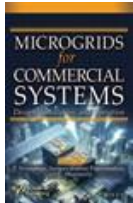
**Smart Sensors for Industry 4.0 : Fundamentals, Fabrication and IIoT Applications**

Brojo Kishore Mishra, Sandipan Mallik, Dac-Nhuong Le  
9781394213566, 1394213565  
\$195.00 USD  
235 pages  
Hardcover  
Technology & Engineering / Electronics  
Series: Advances in Learning Analytics for  
Intelligent Cloud-IoT Systems

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Available

**Microgrids for Commercial Systems**

Palanisamy Sivaraman, Chenniappan Sharmeela, P. Sanjeevikumar  
9781394166305, 1394166303  
\$225.00 USD  
350 pages  
Hardcover  
Technology & Engineering / Power  
Resources

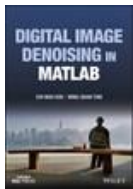


**Summary:** The microgrid is defined as Distributed Energy Resources (DER) and interconnected loads with clearly defined electrical boundaries that act as a single controllable entity concerning the grid as per IEEE standard 2030.7-2017. It provides an uninterrupted power supply to end-user loads with high reliability. Commercial systems like IT/ITES, shopping complexes, malls, the banking sector, hospitals, etc., need an uninterrupted input power supply with high reliability. Microgrids are more suitable for commercial systems to service their clients with no service discontinuity. The microgrid enables both connection and disconnection from the grid. That is, the microgrid can operate both in grid-connected and islanded modes of operation.

The microgrid controller plays an important role in microgrid systems. It shall have an energy management system and real-time control functions that operate in the following conditions: both grid-connected and islanded modes of operation, automatic t...

**Digital Image Denoising in MATLAB**

Chi-Wah Kok, Wing-Shan Tam  
9781119617693, 1119617693  
\$140.00 USD  
224 pages  
Hardcover  
Technology & Engineering / Signals &  
Signal Processing  
Series: IEEE Press



**Summary:** This book dissects a very common but important image processing application: digital image denoising. The dissection begins with the most fundamental of digital images, noise sources, and the effect of noise on different image features. A variety of denoising techniques are reviewed, analyzed, and compared in this book to provide the readers with a complete picture of digital image denoising. The book has placed special emphasis on the theory behind each algorithm and how it can be for real world application.

- Excellent explanatory introduction to image denoising methods;
- thorough treatment of the theoretical foundations, with comprehensive analytical analysis of each presented algorithm;
- discussion in detail - including the assumptions and limitations - of each presented algorithm;
- detail devoted to MATLAB® implementation of the presented algorithm;



**Signal Processing for Joint Radar Communications**

Kumar Vijay Mishra, Bhavani Shankar, Bjorn Ottersten, A. Lee Swindlehurst  
9781119795537, 1119795532

\$145.00 USD

432 pages

Hardcover

Technology & Engineering / Radar

Series: IEEE Press



**Summary:** In the last five years, significant developments and applications have been made within radar communications. Signal Processing for Joint Radar-Communications delves into the recent advances within the theory and applications of joint radar-communications (JRC) and includes the challenges that are still faced today. Bringing together newly written expert contributions from leading researchers within the field of Joint Radar-Communications, the book tackles key JRC signal processing challenges such as common waveform design for both radar and communications systems, receiver processing including interference mitigation methods, learning and cognition, resource allocation, jamming and clutter, optimization methods, and automotive JRC. It presents possible solutions to these challenges and highlights some future research directions.

The goal of this book is to further contribute to the diffusion of newly developed JRC tools into the radar and communications communities and to ill...

Wiley

**Energy Systems : A Project-Based Approach to Sustainability Thinking for Energy Conversion Systems**

Leon Liebenberg

9781119869467, 1119869463

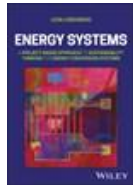
\$95.95 USD

560 pages

Hardcover

Technology & Engineering / Power

Resources



**Summary: Reimagine the future of energy production and use with this innovative and state-of-the-art guide**

This multidisciplinary and comprehensive text features an up-to-date summary of salient energy technologies for quick reference by students and practitioners of energy engineering. Uniquely, the book employs a guided self-study approach with theory provided in "bite-sized" chunks, several worked examples, quantitative and qualitative practice problems, 10 real-world mini-projects, and interviews with young energy innovators and engineering students. The book poses many "big" and pressing questions, asking the reader to "reimagine our future," particularly with a focus on sustainable energy. These questions are aligned with characteristics of an entrepreneurial mindset, which are emphasized throughout the book.

The book reviews the fundamentals of thermodynamics, fluid mechanics, and quantum mechanics. Chapters explore the full

Wiley

**Photovoltaic (PV) System Delivery as Reliable Energy Infrastructure**

John R. Balfour, Russell W. Morris

9781119571193, 1119571197

\$145.00 USD

576 pages

Hardcover

Science / Energy

No Image Available

**Summary: A practical guide to improving photovoltaic power plant lifecycle performance and output**

*Photovoltaic (PV) System Delivery as Reliable Energy Infrastructure* introduces a preventive analytic maintenance for photovoltaic systems engineering, the Repowering™ planning approach, as a structured integrated system delivery process. A team of veteran photovoltaics experts delivers a robust discussion of the lessons learned from mature industries—including aerospace, utilities, rail, marine, and automotive—as applied to the photovoltaics industry. The book offers real-world examples of the impact of photovoltaics to all stakeholders during the concept, specification, operations, maintenance, and Repowering™ phases.

In each chapter, readers will learn to develop RAMS specifications, data, and tasks while becoming familiar with the inherent benefits of how these affect the cost of design and development, maintenance, and systems operation. The authors also

Wiley

**Photovoltaic Solar Energy : From Fundamentals to Applications, Volume 2**

Wilfried van Sark, Bram Hoex, Angèle Reinders, Pierre Verlinden, Nicholas J. Ekins-Daukes

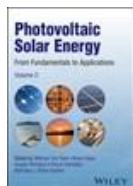
9781119578819, 1119578817

\$152.95 USD

624 pages

Hardcover

Science / Energy



**Summary: Thoroughly updated overview of photovoltaic technology, from materials to modules and systems**

Volume 2 of *Photovoltaic Solar Energy* provides fundamental and contemporary knowledge about various photovoltaic technologies in the framework of material science, device physics of solar cells, chemistry for manufacturing, engineering of PV modules, and the design aspects of photovoltaic applications, with the aim of informing the reader about the basic knowledge of each aspect of photovoltaic technologies and applications in the context of the most recent advances in science and engineering.

The text is written by leading specialists for each topic in a concise manner and includes the most recent references for deeper study. Moreover, the book gives insights into possible future developments in the field of photovoltaics.

The book builds on the success of Volume 1 of *Photovoltaic Solar*

**Wind Energy Explained : On Land and Offshore (3rd Edition)**

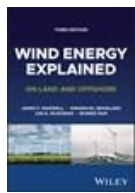
James F. Manwell, Emmanuel Branlard, Jon G. McGowan, Bonnie Ram  
9781119367451, 111936745X

\$124.95 USD

886 pages

Hardcover

Science / Energy



**Summary: Authoritative and bestselling textbook detailing the many different aspects of using wind as an energy source**

*Wind Energy Explained* provides completely comprehensive coverage on the topic of wind energy, starting with general concepts like the history of and rationale for wind energy and continuing into specific technological components and applications along with the numerous developments that have recently been made in the field.

Divided into 12 chapters, this revised third edition includes up-to-date data, diagrams, and illustrations, boasting an impressive 35% new material, including new sections on metocean, support structures, and offshore installation and services. Additional homework problems for the new material have been added to aid in information retention.

**Power Systems : Fundamental Concepts and the Transition to Sustainability**

Daniel S. Kirschen

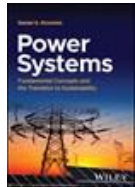
9781394199501, 1394199503

\$119.95 USD

320 pages

Hardcover

Technology & Engineering / Power Resources



**Summary: Fresh perspective on power systems, dealing with uncertainty, power electronics, and electricity markets**

*Power Systems* is a highly accessible textbook on the subject that helps students understand how power systems work and the fundamental constraints that guide its operation and design. Less relevant material is excluded, fundamentals are reinforced at every turn, and the book studiously avoids getting sidetracked into lengthy discussions of non-essential topics. In such a rapidly developing field, this unique approach of explaining not only the "what" and the "how" but also the "why" equips readers to understand why things might be done in a certain way so they can help develop new solutions to modern problems.

To aid in reader comprehension, the text contains examples that reinforce the understanding of the fundamental concepts, informative and attractive illustrations, and problems of increasing levels of difficulty.

**Glacier-Permafrost Interactions**

Richard I. Waller

9781118620984, 1118620984

\$99.95 USD

304 pages

Hardcover

Science / Earth Sciences / Geology

Series: The Cryosphere Science Series



**Summary: A systematic exploration of the interactions between glaciers and permafrost**

In *Glacier-Permafrost Interactions*, distinguished glaciologist Richard Waller delivers a comprehensive discussion of the interaction between glaciers and permafrost. The book is extraordinarily relevant to contemporary debates regarding the rate of glacial retreat and the stability of permafrost in the face of global warming. By integrating modern-era observations with findings from Quaternary science, a compelling and robust model of the glacier-permafrost system is presented.

This summary of the current thinking on glacier-permafrost interaction also provides:

- Comprehensive discussions of permafrost in modern and ancient glacial environments
- In-depth explorations of glacial processes, ice-sheet

**Paleontological Data Analysis (2nd Edition)**

Øyvind Hammer, David A. T. Harper

9781119933939, 1119933935

\$125.00 USD

384 pages

Hardcover

Science / Earth Sciences / Geology



**Summary: An up-to-date edition of the indispensable guide to statistically guided paleontological analysis**

Paleontology has developed in recent decades into an increasingly data-driven discipline, which brings to bear a huge variety of statistical tools. Applying statistical methods to paleontological data requires a discipline-specific understanding of which methods and parameters are the most appropriate ones, and how to account for statistical bias inherent in the fossil record. By guiding the reader to these and other fundamental questions in statistical analysis of fossilized specimens, *Paleontological Data Analysis* has become the standard text for anyone with an interest in quantitative analysis of the fossil record. Now fully updated to reflect the latest statistical methods and disciplinary advances, it is an essential tool for practitioners and students alike.

Readers of the second edition of *Paleontological Data Analysis* readers will also find:

**Water : Our Sustainable and Unsustainable Use**

Edward G. Bellinger

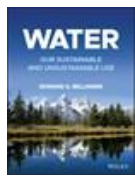
9781118797181, 1118797183

\$65.00 USD

384 pages

Paperback

Science / Earth Sciences / Hydrology

**Summary: A holistic approach to humanity's global use and management of water resources**

In *Water: Our Sustainable and Unsustainable Use*, distinguished environmental researcher Edward Bellinger delivers an unbiased and scientifically accurate exploration of every major area of the management and use of water by human beings. Readers will benefit from a coordinated and holistic approach to the subject, including sections covering needs, availability, governance, public health engineering, economics, the potential effects of climate change, water management, and sustainability, allowing the reader to understand the big picture of global water use under conditions of declining water resources.

Assuming only basic knowledge in hydrology, *Water: Our Sustainable and Unsustainable Use* is international in scope and includes case studies from across the globe.

**Top Stocks Special Edition - Ethical, Sustainable, Responsible : A Sharebuyer's Guide to ESG for Leading Australian Companies**

Erica Hall

9781394243464, 1394243464

\$25.00 USD

256 pages

Paperback

Business &amp; Economics

No Image Available

**Summary: A handbook for investing with impact and building a profitable, values-based portfolio**

When it comes to share investing, how you choose to invest your money can create real global impact. Your investments can make a difference for urgent issues like climate change and human rights. But how do you know which companies are living up to their promises for a greener, brighter future? In *Top Stocks Special Edition - Ethical, Sustainable, Responsible*, you'll discover essential information for growing a profitable portfolio that aligns your investments with your values.

This book reveals the ethical and sustainable impact of top Australian companies. Inside, sustainable investing expert Erica Hall provides clear explanations for key metrics on environmental, social and governance (ESG) criteria and on carbon emissions. With this book, you'll learn how to evaluate risk and momentum for more than 60 best-in-class companies across the 11 industry

**Sustainable Carbon Dots in Food Packaging**

Ruchir Priyadarshi, Ajahar Khan, Tanima Bhattacharya

9781394212606, 1394212607

\$225.00 USD

500 pages

Hardcover

Technology &amp; Engineering / Food Science

No Image Available

**Non-thermal Food Engineering Operations**

Nitin Kumar, Anil Panghal, M. K. Garg

9781119775607, 1119775604

\$225.00 USD

350 pages

Hardcover

Technology &amp; Engineering / Food Science

No Image Available

## Mapping Partition : Politics, Territory and the End of Empire in India and Pakistan

Hannah Fitzpatrick

9781119673835, 1119673836

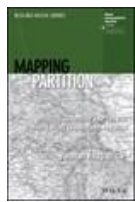
\$39.95 USD

224 pages

Paperback

Science / Earth Sciences / Geography

Series: RGS-IBG Book Series



**Summary:** *Mapping Partition* delivers the first in-depth geographical account of the partition of India and Pakistan in 1947.

- Explores the impact of colonial geography and geographers on the boundary, both during the partition process and in the period preceding it
- Draws on extensive archival research and is an insightful treatment of the colonial partition of India and Pakistan
- Argues that colonial geography underpinned the partition process in heretofore unacknowledged ways
- Discusses the consequences of placing different ethnic, communal, and linguistic groups onto the colonial map and the growing importance of majority and minority populations in representative democratic politics

## Innovation, Collective Intelligence and Resiliency in Healthcare Organizations

Aline Courie-Lemur

9781786308443, 1786308444

\$165.00 USD

304 pages

Hardcover

Political Science / Public Policy / Health

Care

No Image Available

**Summary:** Resilience in healthcare organizations is a complex issue, involving all stakeholders in the healthcare field. It is a highly topical issue, even more so in the wake of the recent health crisis.

This book explores the impact of collective intelligence on the resilience of these organizations, and the role played by innovation. Health organizations comprise the structures and systems involved in treating patients, as well as healthcare professionals with medical, social or medico-social expertise, along with institutional and administrative players in the field.

*Innovation, Collective Intelligence and Resiliency in Healthcare Organizations* alternates between theoretical readings and illustrative case studies. Their diversity is the result of their contributors: university researchers, institutional players from healthcare authorities, practicing caregivers in hospital structures or healthcare coordination support systems, and managers of

## I'm Never Drinking Again : How to Stop Drinking So Much and Change Your Relationship with Alcohol

Dominic McGregor

9781394232802, 1394232802

\$18.99 USD

234 pages

Paperback

Self-Help / Substance Abuse & Addictions

/ Alcohol



**Summary:** An achievable, realistic, and effective approach to health, wellness, and success for young entrepreneurs and professionals

In *I'm Never Drinking Again: How to stop drinking so much and change your relationship with alcohol*, successful entrepreneur, investor, and mental health advocate Dominic McGregor, now seven years sober, delivers an inspiring and practical roadmap to overcoming the challenges associated with managing the rollercoaster of life. In the book, you'll explore the role alcohol plays in our society and how dangerous it can be when mixed with poor emotional wellbeing and challenges in life. You'll also discover the advantages of questioning your relationship with alcohol, whether sobriety or moderating alcohol can lead to success, and how, if unmanaged, alcohol can take over your life.

The author explains:

## Mexico's Unscripted Revolutions : Political and Social Change since 1958

Stephen Lewis

9781444337600, 1444337602

\$31.95 USD

240 pages

Paperback

History / Latin America

Series: Viewpoints / Puntos de Vista



**Summary:** Explore the forces and movements shaping contemporary Mexican politics and society

In *Mexico's Unscripted Revolutions: Political and Social Change Since 1958*, distinguished historian Stephen Lewis offers a well-argued—and provocative—presentation of Mexico's recent “unofficial” grassroots revolutions. The book explores generational change and youthful rebellion in the 1960s and the emergence of second-wave feminism in the 1970s. It also discusses Mexico's uniquely protracted democratic transition, initiated by the hegemonic Institutional Revolutionary Party (PRI) but pushed forward at critical moments by ordinary citizens, opposition parties, and even armed insurgencies.

In clear, accessible prose, the author argues that persistent inequality and authoritarian practices have hobbled Mexico's democratic consolidation since 2000. He also provides coverage of the presidency of Andrés Manuel López Obrador (2018-2024), who



## Behind the Wall : My Brother, My Family and Hatred in East Germany

Ines Geipel, Nick Somers  
9781509559978, 1509559973  
\$25.00 USD  
200 pages  
Hardcover  
History / Europe / Germany

**Summary:** Germany, like many countries, has witnessed the rise of extremist far-right groups and parties in recent years, and no more so than in the eastern regions. Why have those parts of Germany that used to be part of the old GDR turned out to be so supportive of extremist groups and parties and such fertile ground for violence and hatred?

To try to find answers to this question, Ines Geipel, the former East German Olympic athlete, returns to her past in order to explore the matrix of fear and anxiety that shaped the lives of people in the GDR. Spurred on by conversations at the bedside of her brother as he lay dying of a brain tumour, she probes into her own family background and discovers a web of secrets and denial that reflected larger processes of East German society. She finds that her father had worked as a special agent for the Stasi until the service had no further use for him, and her grandfather had joined the Nazi party in 1933 and was stationed in Riga at a time when

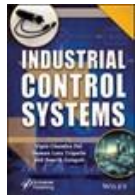
## Homeland Insecurity

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Conor Gearty  
9781509553716, 1509553711  
267 pages  
Hardcover  
History  
Series: History of Violence

**Summary:** In the decades following the 9/11 attacks, complex webs of anti-terrorism laws have come into play across the world, promising to protect ordinary citizens from bombings, hijackings and other forms of mass violence. But are we really any safer? Has freedom been secured by active deployment of state power, or fatally undermined?

In this groundbreaking new book, Conor Gearty unpacks the history of global anti-terrorism law, explaining not only how these regulations came about, but also the untold damage they have wrought upon freedom and human rights. Ranging from the age of colonialism to the Cold War, through the perennial crises in the Middle East to the exponential growth of terrorism discourse compressed into the first two decades of the 21st century, the coercion these laws embody is here to stay. The 'War on Terror' was something that colonial and neo-colonial liberal democracies had always been doing—and something that is not going away.



## Industrial Control Systems

Vipin Chandra Pal, Suman Lata Tripathi, Souvik Ganguli  
9781119829256, 1119829259  
\$195.00 USD  
336 pages  
Hardcover  
Technology & Engineering / Industrial Technology

**Summary: INDUSTRIAL CONTROL SYSTEMS**

**This volume serves as a comprehensive guide in the journey of industrial control systems with a multidisciplinary approach to the key engineering problems in the 21<sup>st</sup> century.**

The journey of the control system may be viewed from the control of steam engines to spacecraft, aeroplane missile control systems to networked control systems and cybersecurity controls. In terms of industrial control and application, the journey starts from the design of P-I-D controllers to fuzzy controllers, neuro-fuzzy controllers, backstepping controllers, sliding mode controllers, and event-triggered controls for networked control systems. Recently, control theory has spread its golden feathers in different fields of engineering by use of the splendid tool of the control system. In this era, the boom of the Internet of Things is at its maximum pace. Different biomedical applications also come under this



## The Prevention of Crime (2nd Edition)

Abigail Fagan, Delbert Elliott  
9781394153350, 139415335X  
\$64.95 USD  
512 pages  
Paperback  
Social Science / Criminology

**Summary: Provides an integrated and holistic review of effective crime prevention programs, practices and policies, their theoretical grounding, the scientific evidence of their effectiveness, and the practical issues involved in their implementation at the community, state and national levels.**

*The Prevention of Crime* offers a comprehensive yet easy-to-understand overview of crime prevention strategies, such as programs and practices guided by life-course developmental theories of crime, situational crime prevention, law enforcement practices and policies, and correctional interventions. Containing the most up-to-date and accurate information about "what works" in crime prevention, this unique textbook introduces students to the public health and prevention science approaches to addressing the causes of crime, with a focus on prevention-oriented, community-based interventions. Throughout the text, the authors emphasize the importance of using high-quality scientific





## Skateboarding For Dummies

Daewon Song  
9781119989929, 1119989922  
\$19.99 USD  
320 pages  
Paperback  
Sports & Recreation / Skateboarding

**Summary:** A beginner's guide to skating for fun, fitness, and self-expression

*Skateboarding For Dummies* teaches you the basics of the fun and popular sport of skateboarding, so you can start shredding. Author Daewon Song has been a pro skateboarder for 30 years and is considered to be the most technically gifted skateboarder of all time. He is passionate about the sport and shares his enthusiasm and experience in this easy-to-read guide. Skateboarding is a fun, challenging, and inclusive sport that can also be a powerful outlet for self-expression. With this book, you'll learn cool tricks, safe skating, and skatepark etiquette. Plus, you'll discover how skateboarding can bring positivity to your life, building your confidence and self-esteem.

- Shop for your first skateboard and essential accessories
- Learn the basics of riding a skateboard at a skatepark
- Get step-by-step instructions for performing classic tricks

## Wiley-Blackwell



## The Handbook of Language in Public Health and Healthcare

Glenn Martinez, Pilar Ortega, Maichou Lor, A. Susana Ramirez  
9781119853817, 1119853818  
\$195.00 USD  
Hardcover  
Language Arts & Disciplines / Linguistics  
Series: Blackwell Handbooks in Linguistics

**Summary:** The first reference work of its kind, *The Handbook of Language in Public Health and Healthcare* offers an interdisciplinary overview of language and linguistics in application to all fields of medicine, health communications, clinician practice, and patient outcomes. Taking a broad view of the field, this volume offers analyses of modern and historical developments in healthcare and public health from perspectives based in all subfields of linguistics, including applied linguistics, anthropological linguistics, sociolinguistics, language policy, and translation studies.

The volume is divided into five parts, each of which takes on a major research area in the modern field. Beginning with a consideration of the history and grounding theory of this research area, chapters in the first section approach major questions in the field from the perspectives of different branches of linguistics. The second section dives into questions surrounding the roles of interpreters in medical set...

## Wiley-ISTE

## Birth of Scientific Ecology : Eugenius Warming (1841 - 1924)

Patrick Matagne  
9781786309297, 1786309297  
\$165.00 USD  
352 pages  
Hardcover  
Science / Life Sciences / Ecology

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**Summary:** This book presents a biography of the Danish botanist Eugen Warming. As the author of a treatise on ecology that brought him international recognition, he was able to inspire the first generation of 20th-century European and American ecologists.

His innovative approach to nature and his Arctic and tropical missions heralded the birth of a new science and an ecological awareness.

As a professor at several Scandinavian universities during a period of intense debate and controversy over evolutionary theories, Eugen Warming vigorously asserted his convictions. *Birth of Scientific Ecology* presents the image of a man of knowledge and power, recognized by his contemporaries as a founder of ecology and a player in the ecological project of the Kingdom of Denmark at a time when the empires were clashing.

## Wiley



## Essentials of Biological Security : A Global Perspective

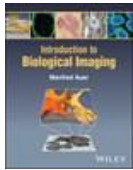
Lijun Shang, Weiwen Zhang, Malcolm Dando  
9781394189014, 139418901X  
\$125.00 USD  
304 pages  
Hardcover  
Science / Biotechnology

**Summary:** This is a fundamental resource for life and associated scientists to raise awareness and understanding of biological security with regards to malign manipulation of scientific findings. The book is written by experts who have been engaged in biological security issues for decades, but in a systematically organized manner so that it is accessible to the wide range of different life and associated specialists who are creating the revolution in the sciences and technologies converging around the life sciences and thus radically changing our capabilities for the manipulation of living organisms for good purposes, but also opening up many more dangerous opportunities for malign manipulation – in what has been termed dual-use applications such as novel biological and toxin weapons.



**Introduction to Biological Imaging**

Manfred Auer  
9781119705949, 1119705940  
\$154.95 USD  
336 pages  
Paperback  
Medical / Neuroscience



**Summary:** Discover what biological imaging is able to accomplish in this up-to-date textbook

One of the fundamental goals of biology is to understand how living organisms establish and maintain their spatiotemporal organization of the biochemical, cell biological and developmental biology processes that sustain life. Biological systems are inherently complex with a large number of components needed to sustain cellular function. In order to understand any complex system, one must determine its composition by identifying the components it is made of, how each of these components function and carry out their specific task, and how they interact with one another to function together. To grasp the link of such changes to physiological cell and tissue function and/or pathogenesis/disease progression, we need to understand how modifications alter macromolecular function, macromolecular interactions, and/or spatio-temporal distribution and overall supramolecular structural organization. Biologi...

**Wiley-Blackwell****The Life of the Author: D. H. Lawrence**

Andrew Harrison  
9781119669531, 1119669537  
\$25.95 USD  
272 pages  
Paperback  
Biography & Autobiography / Literary  
Figures  
Series: The Life of the Author



**Summary:** Addresses the whole of D. H. Lawrence's life and writing career—integrating biography, critical analysis, and recent scholarship in a single volume

*The Life of the Author: D. H. Lawrence* is a focused exploration of the whole of the author's life and writing career. Combining biographical detail and close readings of works in different genres, the book illuminates the complexities of Lawrence's writing through a careful, questioning approach to biographical sources and recent scholarship. Andrew Harrison provides original insights into Lawrence's relationship to working-class experience, his anti-suffragist feminist views, his reaction to the Great War, his responses to racial and cultural difference, his attitudes towards sex, sexuality, and sexual identity, and much more.

Nine accessible chapters address important subjects in the author's life and writing, including his treatment of taboo topics, his conflicted relationship with the literary marketplace, and the

**Wiley-Blackwell****A History of American Literature 1900 - 1950**

Christopher MacGowan  
9781405170468, 1405170468  
\$92.95 USD  
400 pages  
Hardcover  
Literary Criticism / American  
Series: Wiley-Blackwell Histories of American Literature



**Summary:** A look at the first five decades of 20<sup>th</sup> century American literature, covering a wide range of literary works, figures, and influences

*A History of American Literature 1900-1950* is a current and well-balanced account of the main literary figures, connections, and ideas that characterized the first half of the twentieth century. In this readable, highly informative book, the author explores significant developments in American drama, fiction, and poetry, and discusses how the literature of the period influenced, and was influenced by, cultural trends in both the United States and abroad.

Considering works produced during America's rise to prominence on the world stage from both regional and international perspectives, MacGowan provides readers with keen insights into the literature of the period in relation to America's transition from an agrarian nation to an industrial power, the racial and economic

**Polity****Invisible Warfare : How Does a Book Defeat an Empire?**

Liao Yiwu, Michael M. Day  
9781509562947, 150956294X  
\$14.95 USD  
80 pages  
Hardcover  
Biography & Autobiography / Literary  
Figures



**Summary:** As a writer, poet, musician and dissident, Liao Yiwu is one of the most important chroniclers and analysts of contemporary China. In his books, he draws on his own experiences of imprisonment and mistreatment at the hands of the Chinese state to criticise abuses of power and give a voice to the downtrodden and disenfranchised.

In this powerful memoir, Liao Yiwu reflects on his own journey from imprisonment in Sichuan to his current life in Berlin, where he now works as a full-time writer. As China's presence and influence on the international stage grows, this small book is a poignant reminder of the human cost of authoritarianism and of the power of the written word to bear witness to evil.

**Wuhan : A Documentary Novel**

Liao Yiwu, Michael M Day  
 9781509562992, 1509562990  
 \$29.95 USD  
 240 pages  
 Hardcover  
 Fiction / Literary

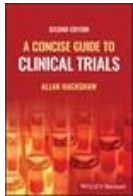


**Summary:** As rumours of a strange new illness in Wuhan spread via social media in China, 25-year-old citizen reporter Kcriss decides to travel to the epicentre of the disaster to try to find out what is really going on. He sees an ad for corpse carriers at a funeral home – Male or female, 16-50 years old, unafraid of ghosts - and decides to apply. He quickly realises that the official death figures bear no relation to what is happening in the local crematoria. But the brief moment when he can tell the truth to his followers on social media is soon over: he is discovered, followed and arrested by the security police – all documented live on the internet.

In this startlingly topical documentary novel, Liao Yiwu takes us into the heart of the crisis that unfolded in Wuhan and unpicks the secrecy and cover-up that surrounded the outbreak of the public health emergency that ravaged the world. Where did the virus come from and what happened in Wuhan? Protocols are buried

**Wiley-Blackwell****A Concise Guide to Clinical Trials (2nd Edition)**

Allan Hackshaw  
 9781119502807, 1119502802  
 \$62.95 USD  
 240 pages  
 Paperback  
 Medical / Evidence-Based Medicine



**Summary: Design and execute life-saving trials with this accessible resource**

Clinical trials have revolutionized the treatment of disease and the development of life-saving pharmaceuticals. They contribute decisively to diagnosis, the avoidance of early death, medical intervention and are central to the modern work of pharmaceutical producers. The design and execution of clinical trials is one of the fastest-growing and most important areas of medical and pharmaceutical research.

*A Concise Guide to Clinical Trials* provides an accessible and comprehensive survey of clinical trials, their design, and their applications. Beginning with a taxonomy of trial types, the book overviews stages of analysis, ethical and legal requirements, and more. Now fully updated to reflect the latest research and clinical practice, it continues to be an indispensable resource for researchers and clinicians.

**Wiley-Blackwell****Adult Emergency Medicine at a Glance (2nd Edition)**

Thomas Hughes, David Metcalfe  
 9781119839361, 111983936X  
 \$39.95 USD  
 110 pages  
 Paperback  
 Medical / Emergency Medicine  
 Series: At a Glance



**Summary: A fully updated edition of the concise yet comprehensive text**

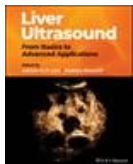
The market-leading *at a Glance* series offers easy-to-use, strongly visual, full-color texts for medical students and qualified practitioners. The second edition of this book provides a user-friendly introduction to the key concepts and knowledge required to dive successfully into this fast-paced, exciting, and increasingly important area healthcare.

Readers of the second edition of *Adult Emergency Medicine at a Glance* will also find:

- Updates incorporating the latest research and clinical guidelines
- Detailed discussion of topics including how the Emergency Department works, effective clinical reasoning, rational use of investigations, and core presentations in emergency

**Wiley-Blackwell****Liver Ultrasound : From Basics to Advanced Applications**

Adrian K. P. Lim, Matteo Rosselli  
 9781119612599, 1119612594  
 \$120.00 USD  
 304 pages  
 Hardcover  
 Medical / Gastroenterology



**Summary: Liver Ultrasound**

**An up-to-date discussion of modern liver ultrasound techniques, combining hepatological and radiological perspectives into one stand-alone resource.**

In *Liver Ultrasound: From Basics to Advanced Applications*, a team of distinguished experts delivers an in-depth textbook on how to perform liver ultrasound and interpret common and uncommon clinical findings. The authors also walk readers through the nuances of ultrasonic and parametric features, from both a radiological and hepatological perspective, in differentiating the multitude of liver conditions. They also discuss clinical evaluations and how to use more advanced and currently evolving techniques.

Readers will experience well-illustrated and clear ultrasound images while also getting access to a complimentary website that features numerous videos which integrate the book's modern and



## Human Cancer Diagnosis and Detection Using Exascale Computing

Kapil Joshi, Somil Kumar Gupta  
9781394197675, 1394197675  
\$195.00 USD  
336 pages  
Hardcover  
Medical / Oncology

Wiley



## Drug Utilization Research : Methods and Applications (2nd Edition)

Monique Elseviers  
9781119911654, 1119911656  
\$190.00 USD  
652 pages  
Hardcover  
Medical / Pharmacology

### Summary: Towards a better understanding of how medicines are used in society

Drug Utilization Research (DUR) is a discipline which combines aspects of pharmacotherapy, epidemiology, and health services research into an interdisciplinary set of methods for analyzing and assessing the prescribing, dispensing and consumption of medicines. It combines both qualitative and quantitative approaches to facilitate the safe and effective use of pharmaceuticals. *Drug Utilization Research: Methods and Applications* provides a comprehensive introduction to this discipline, prepared by an international team of authors with broad experience in numerous fields. Now reorganized and updated to reflect the latest research and global challenges, it is an indispensable resource for understanding the use of pharmaceuticals.

Readers of the second edition of *Drug Utilization Research* will

Wiley-Blackwell



## The Maudsley Prescribing Guidelines for Mental Health Conditions in Physical Illness

Siobhan Gee, David M. Taylor  
9781394192403, 1394192401  
\$45.95 USD  
300 pages  
Paperback  
Medical / Psychiatry  
Series: The Maudsley Prescribing Guidelines Series

### Summary: Meet the challenges of mental health treatments for the physically unwell with this essential guide

Treating mental health conditions in physically unwell patients presents unique challenges for clinicians and other practitioners. Psychotropic medications, so effective in physically healthy patients, can have disappointing outcomes in the physically unwell, not to mention generating serious possible side effects that can complicate or impair physical treatment plans. Many clinicians face difficult decisions about prescribing for mental health conditions in such cases, and reliable information for them is scarce.

*The Maudsley Prescribing Guidelines for Mental Health Conditions in Physical Illness* meets this urgent need with a comprehensive guide to the safe and effective pharmacological management of mental illness in physically unwell patients. Covering a wide range

Wiley



## Introduction to Strain-Based Structural Health Monitoring of Civil Structures

Branko Glisic  
9781118495353, 1118495357  
\$120.00 USD  
336 pages  
Hardcover  
Science / Mechanics

### Summary: A comprehensive introduction to strain-based structural health monitoring of civil structures, with focus on measurement and data analysis

*Introduction to Strain-Based Structural Health Monitoring of Civil Structures* focuses on the SHM of Civil Structures and Infrastructure, and develops the relevant topics of measurement and data analysis from a fundamental to advanced level.

The book contains an overview of the available and emerging strain monitoring technologies, for example, traditional strain-gauges and vibrating wire sensors, discrete and distributed fiber optic sensors, and large area electronics. The fundamentals of error analysis, as well as typical sources of errors in measurements are discussed. Sources of strain in typical construction materials such as concrete, steel, timber, and composite materials are also discussed, and both basic and advanced data interpretation and analysis for static and dynamic monitoring are

## Automation in the Welding Industry : Incorporating Artificial Intelligence, Machine Learning and Other Technologies

Syed Quadir Moinuddin, Shaik Himam Saheb, Ashok Kumar Dewangan, Murali Mohan

Cheepu, S. Balamurugan

9781394172412, 1394172419

\$195.00 USD

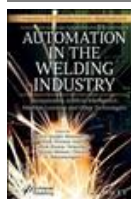
304 pages

Hardcover

Computers / Artificial Intelligence

Series: Industry 5.0 Transformation

Applications



**Summary:** *AUTOMATION IN THE WELDING INDUSTRY*  
This volume serves as a multidimensional perspective of welding practices in Industry 5.0 from the perspective of automation, digitization, digital twins, cobots, virtual reality, augmented reality, machine learning, artificial intelligence, and IoT ranging from rudiments to advanced applications.

This book introduces the concept of Industry 5.0 in welding technologies, where the human brain collaborates with robots to achieve rapid productivity and economic efficiency. It presents the latest information on adapting and integrating Industry 5.0 in welding industries through critical constituents such as artificial intelligence (AI), machine learning (ML), Internet of Things (IoT), digital twin, augmented and virtual reality (AR & VR), and collaborative robots (Cobots), towards intelligent welding systems. The chapter authors have comprehensively addressed the issues

Wiley

## Friction Stir Welding and Processing : Fundamentals to Advancements

Sandeep Rathee, Manu Srivastava, J. Paulo Davim

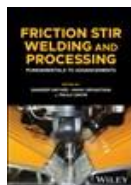
9781394169436, 1394169434

\$145.00 USD

352 pages

Hardcover

Technology & Engineering / Welding



**Summary:** *Friction Stir Welding and Processing: Fundamentals to Advancements* provides concise yet comprehensive coverage of the field of friction stir welding, with an eye toward future research directions and applications. After explaining the basic concepts and fundamentals of friction stir welding (FSW) and its variants and discussing composite fabrication techniques using Friction Stir Processing (FSP), the book delves into different types of friction techniques, including forming and extrusion, riveting, surface, and cladding, as well as the equipment used for FSW/FSP, microstructural characterization and mechanical testing of FSW/FSP samples, and potential defects in FSW/FSP composites. Additional topics discussed include the impact of FSW on the economics of production, methods for coupling FSW/FSP with additive manufacturing, composite fabrication, process-property relationships. Case studies throughout the book provide real-world context and highlight applications for various ...

Wiley

## Polymer Surface Modification to Enhance Adhesion : Techniques and Applications

K. L. Mittal, Anil N. Netravali

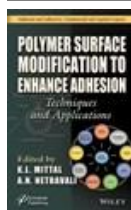
9781394231003, 1394231008

\$225.00 USD

584 pages

Hardcover

Technology & Engineering / Materials Science



**Summary:** This book containing 13 chapters is divided into two parts: Part 1: Energetic Treatments; and Part 2: Chemical Treatments. Topics covered include: atmospheric pressure plasma treatment of polymers to enhance adhesion; corona treatment of polymer surfaces to enhance adhesion; flame surface treatment of polymers to enhance adhesion; vacuum UV photo-oxidation of polymer surfaces to enhance adhesion; optimization of adhesion of polymers using photochemical surface modification UV/Ozone surface treatment of polymers to enhance adhesion; adhesion enhancement of polymer surfaces by ion beam treatment; polymer surface modification by charged particles; laser surface modification of polymeric materials; competition in adhesion between polysort and monosort functionalized polyolefinic surfaces; amine-terminated dendritic materials for polymer surface modification; arginine-glycine-aspartic acid (RGD) modification of polymer surfaces; and adhesion promoters for polymer surfaces.

Wiley

## High Electrical Resistant Materials : Ferrochrome Slag Resource Ceramics

Muktikanta Panigrahi, Ratan Indu Ganguly, Radha Raman Dash

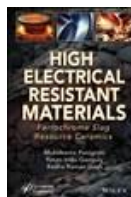
9781394231256, 1394231253

\$195.00 USD

304 pages

Hardcover

Technology & Engineering / Materials Science / Ceramics

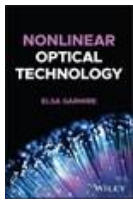


**Summary:** This book details the investigations to utilize fly ash (FA) and pond ash (PA) - both waste materials from thermal power plants - with high-carbon ferrochrome (HCFC) slag (by-product of the ferrochrome industry), for producing a novel material for ceramics. Kaolin/K-feldspar is mixed with PA/HCFC slag to produce ceramics with the formation of mullite. The FA/PA/HCFC slag-based ceramics can replace porcelain-based ceramics, and some permanent ceramic structures can be constructed with such wastes.

Properties and structures made with ceramics are found to be comparable with those made with porcelain-based ceramics. Performances of these materials above ambient temperature have been evaluated and results indicate the possible replacement of porcelain with these newly invented ceramics.

**Nonlinear Optical Technology : From The Beginning**

Elsa Garmire  
9781119508359, 1119508355  
\$145.95 USD  
250 pages  
Hardcover  
Technology & Engineering / Optics



**Summary: Comprehensive resources describing today's Nonlinear Optics (NLO) technology, its applications, and concepts behind the technology**

Taking shape at the unique interdisciplinary engineering school at Dartmouth College, *Nonlinear Optical Technology* explores the importance of NLO in terms of how it permeates a vast number of applications such as fiber optics, biomedicine, sensors (especially Internet of Things), microscopy, spectroscopy, and machining, under the assumption engineers of all stripes may end up working in technical areas impacted by Nonlinear Optics (NLO) and would benefit from learning about the field.

Each section follows a set format, beginning by describing some exciting new technology made possible by NLO. This part is followed by a description of the background information necessary for students to understand the basic NLO concepts for that application. The author occasionally includes personal experiences

**Additive Manufacturing with Novel Materials : Process, Properties and Applications**

R. Rajasekar, C. Moganapriya, P. Sathish Kumar  
9781394197910, 1394197918  
\$225.00 USD  
544 pages  
Hardcover  
Technology & Engineering / Industrial Engineering



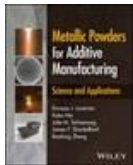
**Summary: ADDITIVE MANUFACTURING With NOVEL MATERIALS**

**The book explores practically the latest advancements and techniques in 3D and 4D printing using innovative and unconventional materials.**

This book comprehensively provides insights into various additive manufacturing processes, novel materials, and their properties, as well as the basic knowledge of AM process parameters, post-processing techniques, and their applications. It also explores the fundamental concepts and recent advancements in the development of novel materials for several applications, with special emphasis on platforms like AM techniques for polymers, ceramics, metallic materials, composites, nanomaterials, hydrogels, etc. Specific topics like environmental aspects of 3D printing and advanced 4D printing are also introduced. The technological aspects of AM are discussed in a concise and

**Metallic Powders for Additive Manufacturing : Science and Applications**

Enrique J. Lavernia, Kaka Ma, Julie M. Schoenung, James F. Shackelford, Baolong Zheng  
9781119908111, 1119908116  
\$185.00 USD  
608 pages  
Hardcover  
Technology & Engineering / Materials Science



**Summary: Metallic Powders for Additive Manufacturing**

**Overview of successful pathways for producing metal powders for additive manufacturing of high-performance metallic parts and components with tailored properties**

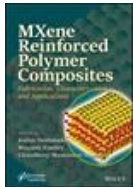
*Metallic Powders for Additive Manufacturing* introduces the readers to the science and technology of atomized metal powders beyond empirical knowledge and the fundamental relationships among the chemistry, microstructure, and morphology of atomized metallic powders and their behavior during additive manufacturing.

The text sets a foundation of the underlying science that controls the formation and microstructure of atomized metallic droplets, including the relations among the properties of metallic powders, their performance during the manufacturing processes, and the resulting products.

Other topics covered include the influence of powder on defect

**MXene Reinforced Polymer Composites : Fabrication, Characterization and Applications**

Kalim Deshmukh, Mayank Pandey, Chaudhery Mustansar  
9781119901044, 1119901049  
\$225.00 USD  
576 pages  
Hardcover  
Technology & Engineering / Chemical & Biochemical



**Summary: MXene Reinforced Polymer Composites**

**This volume is the first book to comprehensively explore the various fabrication and processing strategies for MXene-reinforced polymer composites including detailed characterizations and their numerous applications.**

The book systematically provides a critical discussion on the synthesis and processing methods, structure, properties, characterizations, surface chemistry, and functionalization strategies of MXenes and their utilization as efficient nanofiller into various polymer matrices to form high-performance polymer composites. The book provides a deep insight into the recent state-of-the-art progress in MXene-reinforced polymer composites, discussing several critical issues and providing suggestions for future work. The key features of this book are:

- Providing fundamental information and a clear



**Sustainable Machining and Green Manufacturing**

S. Thirumalai Kumaran, Tae Tae Jo Ko  
9781394197835, 1394197837  
\$195.00 USD  
352 pages  
Hardcover  
Technology & Engineering / Industrial Engineering



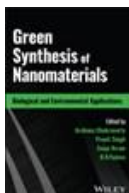
**Summary:** This book aims to be a source for understanding sustainable machining and green manufacturing. The goal is to gain new ideas and encourage readers to utilize fewer natural resources to reduce pollution. Some examples include cutting material needs, recycling and reusing materials, and promoting environmentally-friendly practices such as dry machining and eco-friendly cutting fluids. By reducing pollution and waste, more environmentally-friendly practices will help encourage a more environmentally conscious future.

Ideas evaluated in this book

- The investigating of synergy between natural fibers and epoxy composites that enhance mechanical properties
- Explores the potential of sustainable reinforcements in polymer composites
- Uncovers the critical role of manufacturing methods in determining the mechanical process of biofiber-reinforced

**Green Synthesis of Nanomaterials : Biological and Environmental Applications**

Archana Chakravarty, Preeti Singh, Saiqa Ikram, R. N. Yadava  
9781119900900, 1119900905  
\$225.00 USD  
400 pages  
Hardcover  
Technology & Engineering / Materials Science

**Summary: Develop sustainable nanomaterial applications with this cutting-edge introduction**

Nanomaterials are one of the most important areas of scientific and industrial development, with impacts in virtually every area touched by materials science. Their unique properties have particularly widespread applications in biomedical and environmental research, where they contribute to sustainable and cost-effective processes. The synthesis of nanomaterials, however, can itself be costly and environmentally damaging; green or sustainable synthesis of nanomaterials is an essential development if the full potential of these transformative materials is to be realized.

*Green Synthesis of Nanomaterials : Biological and Environmental Applications* presents a cutting-edge overview of green synthesis processes and their applications. It takes a comparative approach in order to emphasize the advantages of green-synthesized

**Fundamentals of Maternal Anatomy, Physiology and Pathophysiology Bundle**

Ian Peate, Claire Leader  
9781394273010, 1394273010  
424 pages  
Paperback  
Series: Bundles for Nurses



**Summary:** This comprehensive bundle comprises two vital volumes, each tailored to address key aspects crucial for providing optimal care throughout the maternal journey.

**Bundle includes:****9781119864714 Fundamentals of Maternal Anatomy and Physiology**

Addresses the unique needs of midwives by offering a dedicated exploration of anatomy and physiology with full-colour illustrations. Suitable for both undergraduate and postgraduate midwifery students, as well as practicing midwives, this book serves as an invaluable asset in advancing anatomical and physiological knowledge.

**9781119864684 Fundamentals of Maternal Pathophysiology****Developing Person-Centred Cultures in Healthcare Education and Practice : An Essential Guide**

Brendan McCormack  
9781119913863, 1119913861  
\$45.00 USD  
256 pages  
Paperback  
Medical / Nursing / Nurse & Patient



**Summary: This book embarks on an ambitious journey to challenge existing paradigms and spark a radical shift in the way healthcare is perceived and delivered.**

Dive into a groundbreaking exploration of person-centred healthcare education, offering a multi-dimensional framework that redefines learning and practice in the healthcare landscape. This comprehensive guide, with contributions from top experts in field, dissects the critical components of a person-centred curriculum, spanning philosophy, strategy, values, leadership, and practical skills. The book empowers readers with real-world case studies, tools, and reflective exercises, propelling the implementation of transformative person-centred healthcare practices.

Derived from the concepts introduced by the first European-funded project to frame and develop a person-centred healthcare curriculum, *Developing Person-centred Cultures in Healthcare Education and Practice* presents an indispensable resource for



**Lower Limb and Leg Ulcer Assessment and Management**

Aby Mitchell, Georgina Ritchie, Alison Hopkins

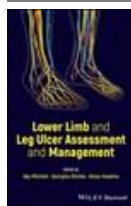
9781119908210, 1119908213

\$45.00 USD

432 pages

Paperback

Medical / Dermatology



**Summary:** *Lower Limb and Leg Ulcer Assessment and Management* is an indispensable resource for practitioners in primary and secondary care, offering a practical and accessible guide to treating and managing leg ulcers.

This comprehensive text challenges the misconception that leg ulcers are invariably 'chronic'. In practice, proactive management will prevent the harm associated with sub-optimal management. Insights are provided into lower limb assessment, early intervention for ulcer prevention, ulcer types and their causes, along with the influence that swelling and biomechanical changes have on the lower limb. The authors draw on international best practice guidance on lymphoedema, wound pain, wound bed preparation, compression therapy, psychological impact, and evidence-based care to enhance leg ulcer management.

Each chapter aims to facilitate reader comprehension and promote productive patient discussions, empowering healthcare

**Pathways to the Origin and Evolution of Meanings in the Universe**

George Mikhailovsky, Alexei Sharov

9781119865094, 1119865093

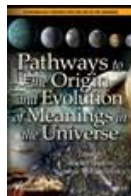
\$249.00 USD

500 pages

Hardcover

Science / Space Science / Astronomy

Series: Astrobiology Perspectives on Life in the Universe



**Summary:** This book discusses the meaning, signs, and evolution of the origin of life and how organisms combine homeostasis with direct adaptation to new life-cycle phases. The nature of semiotic agents and the capacity of organisms supply different functions to the environment. Developments in biology-inspired research exist in all living organisms and the integration of biology and semiotics into biosemiotics.

Also provides information on:

- The increase of freedom via enabling constraints
- The use of creative modeling in evolution and learning
- Communication between animals and humans

**Traditional Functional-Discrete Methods for the Problems of Mathematical Physics : New Aspects**

Volodymyr Makarov, Nataliya Mayko

9781786309334, 1786309335

\$165.00 USD

352 pages

Hardcover

Science / Physics / Mathematical &amp; Computational

No Image Available

**Summary:** This book is devoted to the construction and study of approximate methods for solving mathematical physics problems in canonical domains. It focuses on obtaining weighted a priori estimates of the accuracy of these methods while also considering the influence of boundary and initial conditions. This influence is quantified by means of suitable weight functions that characterize the distance of an inner point to the boundary of the domain.

New results are presented on boundary and initial effects for the finite difference method for elliptic and parabolic equations, mesh schemes for equations with fractional derivatives, and the Cayley transform method for abstract differential equations in Hilbert and Banach spaces. Due to their universality and convenient implementation, the algorithms discussed throughout can be used to solve a wide range of actual problems in science and technology. The book is intended for scientists, university teachers, and graduate and postgraduate stud...

**A Companion to Spinoza**

Yitzhak Y. Melamed

9781119538677, 111953867X

\$58.95 USD

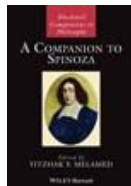
520 pages

Paperback

Philosophy / History &amp; Surveys / Modern

Series: Blackwell Companions to

Philosophy



**Summary:** An unparalleled collection of original essays on Benedict de Spinoza's contributions to philosophy and his enduring legacy

*A Companion to Spinoza* presents a panoramic view of contemporary Spinoza studies in Europe and across the Anglo-American world. Designed to stimulate fresh dialogue between the analytic and continental traditions in philosophy, this extraordinary volume brings together 53 original essays that explore Spinoza's contributions to Western philosophy and intellectual history. A diverse team of established and emerging international scholars discuss new themes and classic topics to provide a uniquely comprehensive picture of one of the most influential metaphysicians of all time.

Rather than simply summarizing the body of existing scholarship, the *Companion* develops new ideas, examines cutting-edge scholarship, and suggests directions for future research. The text



### Real Gender : A Cis Defence of Trans Realities

Danièle Moyal-Sharrock, Constantine Sandis  
 9781509555840, 1509555846  
 \$69.95 USD  
 240 pages  
 Hardcover  
 Philosophy / Social

**Summary:** Societies around the world are struggling to think clearly about trans realities and understand trans identities. *Real Gender* is the first book to present a cis defence of what it means to be transgender.

Moyal-Sharrock and Sandis delve into the various factors which make many trans people's experience of their gender (or lack thereof) as natural and unquestionable as that of cis people. While recognising the undeniably social aspects of gender, they find that gender cannot be completely divorced from our biological underpinnings. Contrary to popular opinion, gender self-identification does not require the denial of either biology or sex. What is needed is a more liberal understanding of our gender concepts, which would prevent us from confusing diversity with pathology.

Steeped in published and personal trans testimonials, *Real Gender* does not seek to provoke or attack, but



### Real Gender : A Cis Defence of Trans Realities

Danièle Moyal-Sharrock, Constantine Sandis  
 9781509555857, 1509555854  
 \$24.95 USD  
 240 pages  
 Paperback  
 Philosophy / Social

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Steeped in published and personal trans testimonials, *Real Gender* does not seek to provoke or attack, but



### Left Is Not Woke

Susan Neiman  
 9781509564101, 150956410X  
 \$14.95 USD  
 176 pages  
 Paperback  
 Political Science

**Summary:** If you're woke, you're left. If you're left, you're woke. We blur the terms, assuming that if you're one you must be the other. That, Susan Neiman argues, is a dangerous mistake.

The confusion arises because woke is fuelled by traditionally leftwing emotions: the wish to stand with the oppressed and marginalized, to address historic crimes. But those emotions are undermined by widespread philosophical assumptions with reactionary sources. As a result, wokeism conflicts with ideas that have guided the left for more than 200 years: a commitment to universalism, a firm distinction between justice and power, and a belief in the possibility of progress. Without these ideas, the woke will continue to undermine their own goals and drift, inexorably and unintentionally, towards the right.

One of the world's leading philosophical voices, Neiman calls with passion and power for the left to return to the ideals that built the best of the modern world.



### Edmund Burke

Ross Carroll  
 9781509538645, 150953864X  
 \$69.95 USD  
 224 pages  
 Hardcover  
 Philosophy / Political  
 Series: Classic Thinkers

**Summary:** Few thinkers have provoked such violently opposing reactions as Edmund Burke. A giant of eighteenth-century political and intellectual life, Burke has been praised as a prophet who spied the terror latent in revolutionary or democratic ideologies, and condemned as defender of social hierarchy and outmoded political institutions.

Ross Carroll tempers these judgments by situating Burke's arguments in relation to the political controversies of his day. Burke's writings must be understood as rhetorically brilliant exercises in political persuasion aimed less at defending abstract truths than at warning his contemporaries about the corrosive forces – ideological, social, and political – that threatened their society. Drawing on Burke's enormous corpus, Carroll presents a nuanced portrait of Burke as, above all, a diagnostician of political misrule, whether domestic, foreign, or imperial. Burke's lasting value, Carroll argues, derives less from the content of his specific positions ...

**Edmund Burke**

Ross Carroll  
 9781509538652, 1509538658  
 \$24.95 USD  
 224 pages  
 Paperback  
 Philosophy / Political  
 Series: Classic Thinkers



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**You Can't Teach That!: The Battle over University Classrooms**

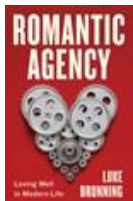
Whittington  
 9781509564521, 1509564527  
 \$59.95 USD  
 176 pages  
 Hardcover

**You Can't Teach That!: The Battle over University Classrooms**

Whittington  
 9781509564538, 1509564535  
 \$19.95 USD  
 176 pages  
 Paperback

**Romantic Agency : Loving Well in Modern Life**

Luke Brunning  
 9781509551521, 1509551522  
 \$64.95 USD  
 200 pages  
 Hardcover  
 Philosophy / History & Surveys / Modern

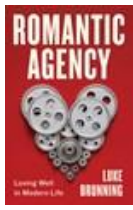


**Summary:** This is a book for people energized by the possibilities of modern intimacy, but who feel unsure about their own romantic lives. Alternative lifestyles such as nonmonogamy, while liberating in theory, can feel remote in practice, as we are fixed in place by insecurities and social pressures.

In *Romantic Agency*, philosopher Luke Brunning encourages readers to think more deeply about what it means for relationships to not only work, but flourish. Guided by the thought that our abilities to be intimate cannot be taken for granted, he argues that our romantic agency is fragile and best cultivated alongside that of others, and can be nurtured through relevant traits and practices. Realism protects us from seductive but unworkable romantic ideals, conversation tempers our individualism, playfulness helps us look beyond rivalry, integrity allows us to risk change, and compersion lets us overcome jealousy. The potential rewards are more meaningful than any

**Romantic Agency : Loving Well in Modern Life**

Luke Brunning  
9781509551538, 1509551530  
\$22.95 USD  
200 pages  
Paperback  
Philosophy / History & Surveys / Modern

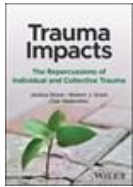


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**Trauma Impacts : The Repercussions of Individual and Collective Trauma**

Jessica Stone, Robert J. Grant, Clair Mellenthin  
9781394170098, 1394170092  
\$49.95 USD  
272 pages  
Paperback  
Psychology



**Summary: A systems-oriented look at how unhealed trauma can prevent optimal functioning—and what to do about it**

*Trauma Impacts: Repercussions of Individual and Collective Trauma* explores the many ways that traumatic experiences affect people from diverse backgrounds, as individuals and in groups. In chapters contributed by experts in their fields, this book offers a systemic overview of how trauma impacts all humans, then delves into the manifestations of trauma in specific populations like BIPOC communities, neurodivergent children, and those in helping professions. The book's third and final section looks at emerging modalities for working with trauma and implications for the future of trauma-focused therapy.

Ideal for anyone who works closely with individuals who have experienced trauma—therapists, educators, social workers, and beyond—*Trauma Impacts* will benefit from a thorough

**Child Psychology : Pathways to Good Practice**

Helen Pote, Clare Norris, Anna Picciotto  
9781119861188, 1119861187  
\$70.00 USD  
630 pages  
Paperback  
Psychology / Psychotherapy / Child & Adolescent

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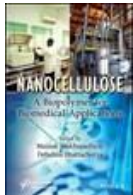
**Summary: Navigate the challenging world of child and adolescent psychology with this valuable guide**

Treatment of psychological distress in children is an enormously challenging and rewarding practice. Children and their psychological needs vary widely, and successful practitioners must be open to a range of treatment practices and toolkits in order to create a tailored program for each child. The field of child psychology has only recently begun to develop the body of evidence-based theories and models required to clearly direct clinical practice; as a result, a confident child psychological therapist must remain flexible, engaged, and curious.

*Child Psychology: Pathways to Good Practice* offers a comprehensive guide to developing that confidence and curiosity and applying it in a clinical setting. Drawing upon the latest research and therapeutic models, it offers a practical, hands-on discussion of all aspects of the child psychological practice, from

**Nanocellulose : A Biopolymer for Biomedical Applications**

Mainak Mukhopadhyay, Debalina Bhattacharya  
9781394172375, 1394172370  
\$225.00 USD  
416 pages  
Hardcover  
Technology & Engineering / Materials Science



**Summary: NANOCELLULOSE**

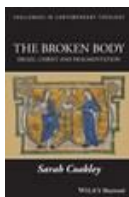
**This book provides the latest up-to-date information on the exciting applications of nanocellulose in human diseases by giving in-depth explanations of their synthesis, characterization, and real-world applications in the biomedical sectors.**

Nanocellulose is a promising nanomaterial with unique qualities including low cost, durability, non-toxicity, accessibility, etc. Cellulose can be classified into two types: nanocrystals and nanofibrils, depending on the way it is extracted from trees, plants, or other cellulose-containing species. Textiles, cosmetics, and food products are just a few of the commercial uses for nanocellulose. However, it also has strong potential for use in medicine.

The book presents the most recent scientific research on

**The Broken Body : Israel, Christ and Fragmentation**

Sarah Coakley  
9781405189231, 1405189231  
\$39.95 USD  
336 pages  
Paperback  
Religion / Christian Theology  
Series: Challenges in Contemporary  
Theology

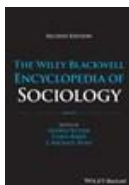


**Summary:** A fascinating collection of essays exploring a fresh contemporary approach to the person and doctrine of Jesus Christ

How should Christians think about the person of Jesus Christ today? In this book Sarah Coakley argues that this question has to be 'broken open' in new and unexpected ways: by an awareness of the deep *spiritual* demands of the Christological task and its strikingly 'apophatic' dimensions; by a probing of the paradoxical ways in which Judaism and Christianity are drawn together in Christ, even by those issues which seem to 'break' them most decisively apart; and by an exploration of the mode of Christ's presence in the eucharist, with its intensification, 'breaking' and re-gathering of human desires. In this sequel to her celebrated earlier volume of essays, *Powers and Submissions*, Coakley returns to its unifying theme of divine power and contemplative submission, and weaves a new web of Christological outcomes which remain replete with controversial implications...

**The Wiley-Blackwell Encyclopedia of Sociology (2nd Edition)**

George Ritzer, Chris Rojek, J. Michael Ryan  
9780470655504, 047065550X  
\$2,295.00 USD  
7712 pages  
Hardcover  
Social Science / Sociology



**Summary:** The new edition of the benchmark work in the field, extensively revised and expanded throughout

*The Wiley-Blackwell Encyclopedia of Sociology, 2nd Edition* is the definitive reference work for students, researchers, librarians, and academics in the field. Presenting in-depth coverage of all the major sub-disciplines of sociology, this comprehensive resource contains more than 2700 specially commissioned entries written and edited by an international team of leading scholars.

Published as both an online edition and as an twelve-volume set, *The Wiley-Blackwell Encyclopedia of Sociology, 2nd Edition* provides a comprehensive, up-to-date guide of key concepts, theories, methodologies, ideas, research, and debates in the expansive field of sociology and beyond.

The second edition contains more than 300 entirely new entries reflecting original work on topics related to globalization, social

**Democracy Needs Religion**

Hartmut Rosa, Valentine A. Pakis  
9781509561223, 1509561226  
\$45.00 USD  
84 pages  
Hardcover  
Social Science / Sociology



**Summary:** What role does religion play in modern societies? Is it merely an anachronism that hinders our economic growth? Is it a kind of superstition that people should be left to enjoy in private but should refrain from discussing in public? It is no secret that the Christian churches in Western societies have massive problems – quite apart from the recent scandals. Shrinking congregations are just one sign of their diminishing relevance. But what would happen to democracy if the resonance of religion were to fade entirely?

Leading sociologist Hartmut Rosa addresses this fundamental question in a way that makes us think afresh about religion and the role it plays in our contemporary democratic societies. He argues that religion fosters a culture of dialogue, listening and reflection that allows us to form connections with others and experience the world as meaningful. This, in turn, helps citizens cultivate a democratic sensibility that can serve as an anchor in unstable times.

**Democracy Needs Religion**

Hartmut Rosa, Valentine A. Pakis  
9781509561230, 1509561234  
\$12.95 USD  
84 pages  
Paperback  
Social Science / Sociology



**Summary:** What role does religion play in modern societies? Is it merely an anachronism that hinders our economic growth? Is it a kind of superstition that people should be left to enjoy in private but should refrain from discussing in public? It is no secret that the Christian churches in Western societies have massive problems – quite apart from the recent scandals. Shrinking congregations are just one sign of their diminishing relevance. But what would happen to democracy if the resonance of religion were to fade entirely?

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**Patterns : Theory of the Digital Society**

Armin Nassehi, Mirko Wittwar  
 9781509558216, 1509558217  
 \$69.95 USD  
 268 pages  
 Hardcover  
 Social Science / Sociology



**Summary:** We're inclined to assume that digital technologies have suddenly revolutionized everything in just a few years, including our relationships, our forms of work and leisure and even our democracies. Armin Nassehi puts forward a new theory of digital society which turns this assumption on its head. Rather than treating digital technologies as an independent causal force that is transforming social life, he asks: for which problem is digitization a solution?

When we pose the question in this way, we can see, argues Nassehi, that digitization helps societies deal with, and reduce, complexity by using coded numbers to process information about society. We can also see that modern societies already had a digital structure long before modern computer technologies were developed – already in the nineteenth century, for example, statistical pattern recognition technologies were being used in functionally differentiated societies in order to recognize, monitor and control forms of life.

**Patterns : Theory of the Digital Society**

Armin Nassehi, Mirko Wittwar  
 9781509558223, 1509558225  
 \$26.95 USD  
 268 pages  
 Paperback  
 Social Science / Sociology



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**What is Political Sociology? (2nd Edition)**

Elisabeth S. Clemens  
 9781509561896, 1509561897  
 \$69.95 USD  
 224 pages  
 Hardcover  
 Social Science / Sociology  
 Series: What is Sociology?



**Summary:** With an entire discipline devoted to political science, what is distinctive about political sociology? This concise book explains what a sociological perspective brings to our understanding of the emergence, reproduction, and transformation of different forms of political order. Crucially, political sociology expands the field of view to the politics that happen in other social settings – in the family, at work, in civic associations – as well as the ways in which social attributes such as class, religion, age, race, and gender shape patterns of political participation and the distribution of political power.

Political sociology grapples with these issues across an enormous range of historical and geographic settings, from intimate to geo-political scales. It requires an analytic toolkit that includes concepts of power, identities and inequalities, social closure, civil society, and modes of political action. Using these central concepts, this updated edition of *What is Politic...*

**What is Political Sociology? (2nd Edition)**

Elisabeth S. Clemens  
 9781509561902, 1509561900  
 \$22.95 USD  
 224 pages  
 Paperback  
 Social Science / Sociology  
 Series: What is Sociology?



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**The Privileged Few**

Clive Hamilton, Myra Hamilton  
9781509559701, 1509559701  
\$69.95 USD

240 pages  
Hardcover

Social Science / Social Classes & Economic  
Disparity



**Summary:** Male and white privilege are on the decline, yet elite privilege has gone from strength to strength. The privileges enjoyed by the rich and powerful are not only unfair but cause widespread harm, from the everyday slights and humiliations visited on those lower down to the distortions in the labour market when elites use their networks to secure plum jobs, not least in new domains like professional sports.

In this book, Clive Hamilton and Myra Hamilton show that elite privilege is not a mere by-product of wealth but an organising principle for society as a whole. They explore the practices and processes that sustain, legitimise and reproduce elite privilege, and show how we are all implicated in the system, both facilitating it and tolerating its harmful effects.

Building on their original fieldwork and a wide range of other sources, the authors paint a vivid picture of the micropolitics of elite privilege, highlighting in particular the vital role played by

**The Privileged Few**

Clive Hamilton, Myra Hamilton  
9781509559718, 150955971X  
\$24.95 USD

240 pages  
Paperback

Social Science / Social Classes & Economic  
Disparity

No Image  
Available

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**Subjectified : Becoming a Sexual Subject**

Suzannah Weiss  
9781509560189, 1509560181  
\$69.95 USD

280 pages  
Hardcover

Social Science / Gender Studies



**Summary: *Subjectified* is a book about subjects, objects, and verbs. It is also a book about clothing-optional resorts, group masturbation circles, and sex parties.**

Suzannah Weiss takes the reader through her adventures as a sex and relationship writer to explore how we can create a world with less objectification and more subjectification — placing women and other marginalized groups in the subject role of sentences and actions. Offering a deeply personal account and powerful critique of sexual empowerment movements, Suzannah Weiss presents a way forward that focuses more on what women desire, and less on what men desire from them. She makes a bold yet compassionate call for women everywhere to inhabit their bodies and hearts — to remain connected to their inner eye and their inner "I," even in a world where they are disproportionately "you," "she," or "them."

The book is for everybody wanting to understand themselves

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Suzannah Weiss  
9781509560196, 150956019X  
\$24.95 USD

280 pages  
Paperback

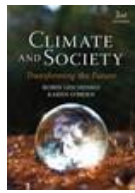
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The book is for everybody wanting to understand themselves



### Climate and Society : Transforming the Future (2nd Edition)

Robin Leichenko, Karen O'Brien  
9781509559282, 1509559280  
\$79.95 USD  
296 pages  
Hardcover  
Social Science / Human Geography

**Summary:** This bold and passionate textbook has become a go-to introduction to current and emerging thinking on the social dimensions of climate change, presenting key concepts and frameworks for understanding the multifaceted connections between climate and society.

Using clear language and powerful examples, Robin Leichenko and Karen O'Brien explore the varied social drivers, impacts, and responses to climate change. They highlight the important roles that worldviews, values, and – especially in this updated edition – emotions play in shaping interpretations of climate challenges. They include additional material on climate justice and equity, eco-centric discourses, paradigm shifts, and other topics. Situating climate change within the context of a rapidly changing world, the book demonstrates how dynamic political, economic, and environmental contexts amplify risks, often unequally for different groups based on race, gender, wealth, and location. Yet these

### Climate and Society : Transforming the Future (2nd Edition)

Robin Leichenko, Karen O'Brien  
9781509559299, 1509559299  
\$28.95 USD  
296 pages  
Paperback  
Social Science / Human Geography

No Image Available

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### The Fallacies of Racism : Understanding How Common Perceptions Uphold White Supremacy

Jennifer Patrice Sims  
9781509553471, 1509553479  
\$69.95 USD  
224 pages  
Hardcover  
Social Science / Discrimination



**Summary:** Everyone has an opinion on racism. The vast majority of people would vehemently deny that they or those close to them are “racist,” yet many of the most common understandings of racism are highly problematic. “If you mean no harm, then it can’t be racist.” Yes, it can. “There are anti-discrimination laws now, so racism no longer occurs.” Incorrect. “Some of my best friends are Black, so I can’t be racist.” Not true.

In this sharp, open-minded, and witty book, sociologist Jennifer Patrice Sims succinctly addresses these problematic perceptions of racism as *fallacies*. Building on existing academic theories and drawing on her own cross-national research, two decades of teaching, and analyses of contemporary issues, she delves into the most common and insidious fallacies about racism. In revealing them to be rooted in what scholars call an “epistemology of ignorance,” she shows how these perceptions justify and uphold white supremacy (inadvertently or otherwise).

### The Fallacies of Racism : Understanding How Common Perceptions Uphold White Supremacy

Jennifer Patrice Sims  
9781509553488, 1509553487  
\$24.95 USD  
224 pages  
Paperback  
Social Science / Discrimination

No Image Available

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**Clinical Trials : A Methodologic Perspective (4th Edition)**

Steven Piantadosi  
9781394195664, 1394195664  
\$176.95 USD  
832 pages  
Hardcover

Mathematics / Probability & Statistics  
Series: WILEY SERIES IN PROB &  
STATISTICS/see 1345/6,6214/5

**Summary: Comprehensive resource presenting methods essential in planning, designing, conducting, analyzing, and interpreting clinical trials**

The Fourth Edition of *Clinical Trials* builds on the text's reputation as a straightforward, detailed, and authoritative presentation of quantitative methods for clinical trials, discussing principles of design for various types of clinical trials and elements of planning the experiment, assembling a study cohort, assessing data, and reporting results.

Each chapter contains an introduction and summary to reinforce key points. Discussion questions stimulate critical thinking and help readers understand how they can apply their newfound knowledge.

Written by a highly qualified author with significant experience in the field, the Fourth Edition of *Clinical Trials* approaches the topic ...

**Mastering Marketing Data Science : A Comprehensive Guide for Today's Marketers**

Iain Brown  
9781394258710, 1394258712  
\$50.00 USD

204 pages  
Hardcover  
Computers / Data Science / Data Analytics  
Series: Wiley and SAS Business Series

No Image  
Available

**Multivariate Analysis (2nd Edition)**

Kanti V. Mardia, John T. Kent, Charles C. Taylor  
9781118738023, 1118738020

\$104.95 USD  
592 pages  
Hardcover  
Mathematics / Probability & Statistics /  
Multivariate Analysis  
Series: Wiley Series in Probability and  
Statistics

**Summary: Comprehensive Reference Work on Multivariate Analysis and Its Applications**

The first edition of this book, by Mardia, Kent and Bibby, has been widely used globally for over 40 years. This second edition brings many topics up to date, with a special emphasis on recent developments.

A wide range of material in multivariate analysis is covered, including the classical themes of multivariate normal theory, multivariate regression, inference, multidimensional scaling, factor

analysis, cluster analysis and principal component analysis. The book also now covers modern developments such as graphical models, robust estimation, statistical learning, and high-dimensional methods. The book expertly blends theory and application, providing numerous worked examples and exercises at the end of each chapter. The reader is assumed to have a basic

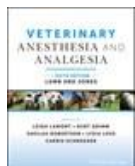
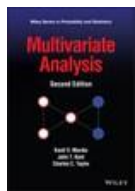
**Veterinary Anesthesia and Analgesia (6th Edition)**

Leigh A. Lamont, Kurt A. Grimm, Sheila A. Robertson, Lydia Love, Carrie A. Schroeder  
9781119830276, 1119830273  
\$163.95 USD  
1280 pages  
Hardcover  
Medical / Veterinary Medicine

**Summary: A thoroughly updated new edition of the foundational reference on veterinary anesthesia and analgesia**

*Veterinary Anesthesia and Analgesia: The Sixth Edition of Lumb and Jones* is a fully updated revision to this comprehensive, authoritative reference to all aspects of veterinary anesthesia and pain management. Encompassing both scientific principles and clinical applications, the new edition adds new knowledge, techniques, and discussion of emerging issues throughout. Fourteen new chapters significantly expand the coverage of patient monitoring modalities and nociception and pain, while presenting new information on safety culture, infection prevention and control, biomedical engineering, and point-of-care ultrasound.

Logically organized into sections, information on basic principles, pharmacology, specific body systems, and specific species is easy to access. Comparative anesthetic considerations for dogs and





## Techniques in Small Animal Soft Tissue, Orthopedic, and Ophthalmic Surgery

Kristin A. Coleman

9781394159949, 1394159943

\$149.99 USD

656 pages

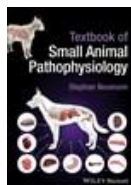
Hardcover

Medical / Veterinary Medicine / Small Animal

**Summary:** Practical reference with tips and tricks for successfully performing common surgeries in small animal patients

Designed to help general practitioners confidently perform surgery, *Techniques in Small Animal Soft Tissue, Orthopedic, and Ophthalmic Surgery* offers fast access to step-by-step procedures for the most common surgeries in small animal patients. This book discusses the relevant anatomy, brief pathophysiology, pre-operative considerations, potential complications, and treatment options and detailed techniques for a wide range of surgical procedures, as well as the equipment needed to perform them. Written by specialists from around the world, the 54 chapters each cover multiple treatment options or variations to techniques described in the literature, featuring soft tissue, orthopedic, and ophthalmic surgeries.

Practical tips and tricks for success in the operating room



## Textbook of Small Animal Pathophysiology

Stephan Neumann

9781119824619, 1119824613

\$89.95 USD

560 pages

Hardcover

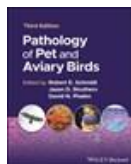
Medical / Veterinary Medicine / Small Animal

**Summary:** The comprehensive overview of the essential discipline of pathophysiology in small animal disease

*Textbook of Small Animal Pathophysiology* provides a complete and accessible overview of disease mechanisms and pathophysiological consequences in the field of small animal medicine. The text focuses on the relationship between pathophysiology and disease of any etiology to aid better diagnostics and targeted therapy.

The text includes general pathophysiology of key organ systems such as cardiac, respiratory, gastrointestinal, neural, and more. Core information such as diagnostic methods and therapeutic options is presented in tabular form and clear full-color illustrations are featured throughout to aid in seamless reader comprehension.

Written by a highly qualified professional with significant firsthand



## Pathology of Pet and Aviary Birds (3rd Edition)

Robert E. Schmidt, Jason D. Struthers, David N. Phalen

9781119650461, 1119650461

\$199.99 USD

768 pages

Hardcover

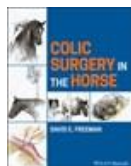
Medical / Veterinary Medicine

**Summary:** Pathology of Pet and Aviary Birds

**A complete reference for veterinary pathologists, residents, and students interested in avian diseases**

The revised third edition of *Pathology of Pet and Aviary Birds* delivers a comprehensive reference to gross and microscopic lesions found in birds, as well as the implications of these diseases. This third edition includes improved coverage of normal anatomy and of advanced diagnostic techniques, including special stains, immunohistochemistry, in situ hybridization, and molecular diagnostics.

The authors offer an extensive collection of more than 1200 high-quality, full-color images. New chapters cover the postmortem examination; gross and microscopic anatomy; advanced diagnostics; and cytology. Specific chapters address diseases of passerines, Columbidae, and raptors, and other



## Colic Surgery in the Horse

David E. Freeman

9781118479124, 1118479122

\$279.99 USD

752 pages

Hardcover

Medical / Veterinary Medicine / Equine

**Summary:** A comprehensive discussion of surgical treatments for equine colic

*Colic Surgery in the Horse* presents a detailed exploration of surgical procedures in the horse abdomen. It is a state-of-the-art reference for equine surgeons, providing detailed descriptions of surgical treatments for colic in horses. The book offers step-by-step instructions for abdominal surgeries in the equine patient with accompanying photographs and illustrations.

Covering all aspects of colic surgery, the book emphasizes a practical approach designed to improve outcomes after surgical treatment. Numerous illustrations accompany the discussions of colic surgery, diseases causing colic, treatment decision making, preoperative considerations, postoperative treatment, and other related topics. The book is an accessible, essential resource for all veterinarians engaged in the surgical treatment of colic in horses.

## The UFAW Handbook on the Care and Management of Laboratory and Other Research Animals (9th Edition)

Huw Gollidge, Claire Richardson  
9781119555247, 1119555248  
\$350.00 USD  
1215 pages  
Hardcover  
Medical / Veterinary Medicine  
Series: UFAW Animal Welfare



**Summary: The UFAW Handbook on The Care and Management of Laboratory and Other Research Animals**

**The latest edition of the seminal reference on the care and management of laboratory and research animals**

The newly revised ninth edition of *The UFAW Handbook on the Care and Management of Laboratory and Other Research Animals* delivers an up-to-date and authoritative exploration on worldwide developments, current thinking, and best practices in the field of laboratory animal welfare science and technology.

The gold standard in laboratory and captive animal care and management references, this latest edition continues the series' tradition of excellence by including brand-new chapters on ethical review, the care of aged animals, and fresh guidance on the care of mole rats, corvids, zebrafish, and decapods.

The book offers introductory chapters covering a variety of areas

## Clinical Pathology and Laboratory Techniques for Veterinary Technicians (2nd Edition)

Amy L. MacNeill, Anne M. Barger  
9781119885696, 1119885698  
\$84.99 USD  
368 pages  
Paperback  
Medical / Veterinary Medicine



**Summary: Clinical Pathology and Laboratory Techniques for Veterinary Technicians**

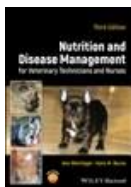
**Up-to-date, practical reference book demonstrating laboratory procedures in dogs, cats, cattle and horses**

The newly revised and updated Second Edition of *Clinical Pathology and Laboratory Techniques for Veterinary Technicians* is an inclusive reference on laboratory procedures pertaining to small animals, horses, and cattle, providing information on hematology, hemostasis, clinical chemistry, urinalysis, parasitology, endocrine testing, and quality assurance.

The text clarifies 'how-to' information while also discussing the importance of 'why' laboratory procedures are performed in a particular way, enabling readers to gain true understanding of the topics discussed. To aid in reader comprehension, high-quality photographs labeled with magnification and stain information,

## Nutrition and Disease Management for Veterinary Technicians and Nurses (3rd Edition)

Ann Wortinger, Kara M. Burns  
9781119861041, 1119861047  
\$69.95 USD  
352 pages  
Paperback  
Medical / Veterinary Medicine



**Summary: Nutrition and Disease Management for Veterinary Technicians and Nurses**

**A fully updated edition of the student-friendly guide to veterinary nutrition**

Diet and nutrition are essential aspects of veterinary care. Proper care and feeding of companion animals can improve health outcomes and help to prevent disease. Meeting the altered dietary needs of a sick animal can facilitate recovery and improve quality of life. For veterinary technicians, nurses, and other veterinary practitioners, a working knowledge of companion animal nutrition is an essential component of overall patient care.

*Nutrition and Disease Management for Veterinary Technicians and Nurses* offers an accessible, up-to-date introduction to the key concepts and elements of veterinary nutrition. With detailed coverage of the fundamentals of veterinary nutrition in addition to