

Jaunieguvumu apskats: Tehnoloģiju & dabaszinātņu izdevumi svešvalodās

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Nozaru literatūras centra lasītavas:

Baltijas Austrumāzijas pētniecības centra
bibliotēkas lasītava (AsiaRes, M stāvs):
asiaresbibl@lnb.lv

Džona Ficdžeralda Kenedija lasītava (3. stāvs):
kristaps.kuplais@lnb.lv

Ekonomikas un tiesību zinātņu lasītava (2. stāvs):
jurzin@lnb.lv

Humanitāro un sociālo zinātņu lasītava (Jesajas
Berlina lasītava, 2. stāvs): soczin@lnb.lv

Tehnoloģiju un dabaszinātņu lasītava (3. stāvs):
tehnologijas@lnb.lv

Priekšvārds

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Sadāļā, kas veltīta *sporta* izdevumiem, atspoguļota sporta vēsture un dažādi sporta veidi.

Lauksaimniecības nodaļas grāmatās sniegti praktiski padomi, kas ikdienas darbā noderēs dārzniekiem un augu selekcionāriem.

Savukārt izdevuma noslēdzošajā *nodaļā Skaistuma industrija* aplūkota apģērba un modes vēsture.

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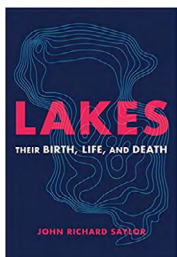
Tālr.: 67806132

E-pasts: tehnologijas@lnb.lv

Redaktore & maketētāja: Zane Bondare
(zane.bondare@lnb.lv)

Informāciju sagatavoja:

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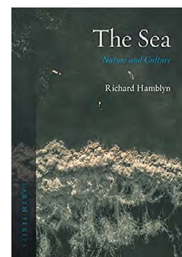
Saylor, J.R. (2022). *Lakes : Their Birth, Life, and Death*. Timber Press. ISBN 9781643260488

Lakes might be the most misunderstood bodies of water on earth. And while they may seem commonplace, without lakes our world would never be the same. In this revealing look at these lifegiving treasures, John Richard Saylor shows us just how deep our connection to still waters run.

Saylor leads an illuminating tour through the most fascinating lakes around the world. Whether it's Lake Vostok, located more than two miles beneath the surface of Antarctica, whose water was last exposed to the atmosphere perhaps a million years ago; Lake Baikal in southern Siberia, the world's deepest and oldest lake formed by a rift in the earth's crust; or Lake Nyos, the so-called Killer Lake that exploded in 1986, resulting in hundreds of deaths.

Along the way we learn all the many forms that lakes take – how they come to be and how they feed and support ecosystems – and what happens when lakes vanish.

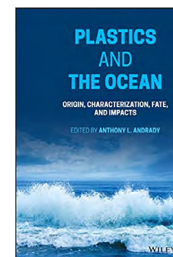
TD556/Sa974



Hamblyn, R. (2021). *The Sea : Nature and Culture*. Reaktion Books. ISBN 9781789144871

This book explores the sea and its meanings from ancient myths to contemporary geopolitics, from Atlantis to the Mediterranean migrant crisis. Richard Hamblyn traces a cultural and geographical journey from estuary to abyss, beginning with the topographies of the shoreline and ending with the likely futures of our maritime environments. Along the way he considers the sea as a site of work and endurance, of story and song, of language, leisure and longing. By considering the sea as both a physical and a cultural presence, this book shines new light on the sea and its indelible place in the human imagination.

TD551.46/Ha315



Andrady, A.L. (Ed.). (2022). *Plastics and the Ocean : Origin, Characterization, Fate, and Impacts*. John Wiley & Sons, Inc. ISBN 9781119768401

In *Plastics and the Ocean*, renowned researcher Anthony L. Andrady delivers a comprehensive and up-to-date treatment of the sources, characterization, and environmental impacts of plastics in the ocean. The book focuses on macroplastics, as well as micro-scale and nanoscale plastics, and the human impacts of these that reach consumers via seafood. It also addresses the human behavioral aspects of the problem via discussions of the mismanagement of urban litter.

A diverse collection of expert perspectives guides the reader through this fast-evolving multi-disciplinary subject area. Beginning with an overview of the field, the book explores the importance of this area of research to related disciplines and to the everyday lives of consumers.

This text offers engineers and scientists an up-to-date review of the subject and the state of the art as summarized by key researchers in the field.

The book includes:

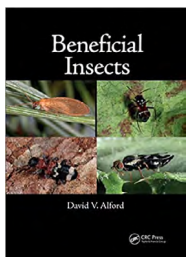
- A synthesis of leading voices in oceanography, biogeochemistry, industrial chemistry, ecotoxicology, polymer science, and behavioral science;
- Discussions of the impacts of a range of marine plastics, including large debris, microplastics, and nanoplastics;

• An analysis of the abundance and impacts of plastics in various niches in the marine environment;

• Descriptions of the current methodologies for sampling, detection, processing, and identification of plastic waste.

Plastics and the Ocean is an indispensable resource for professionals, researchers, instructors, and graduate students in polymer science, marine biology, and environmental engineering. It's also a must-read text for chemical engineers, materials scientists, and environmental engineers seeking a one-stop resource that describes the origins, occurrence, composition, environmental fate, and biological impacts of plastic pollutants in an ocean environment.

TD504/Pl250



Alford, D.V. (2022). *Beneficial Insects*. CRC Press. ISBN 9781032338415

Insects are key components of life on our planet, and their presence is essential for maintaining balanced terrestrial ecosystems. Without insects humans would struggle to survive, and on a world scale food production would be severely compromised. Many plants and animals depend directly or indirectly on insects for their very survival, and this is particularly so in the case of insectivorous birds and other such creatures. The beneficial role of insects is often overlooked or misunderstood, and in farming circles their very presence on crops is often seen to be unwelcome. In reality, however, many insects are genuinely beneficial, as in the case of parasitic and predacious species. The use of chemical pesticides to control crop pests is becoming more tightly regulated and environmentally undesirable, and low input farming, in which natural enemies of pests are encouraged to survive or increase, is becoming far more prevalent. Accordingly, Integrated Pest Management (IPM) and Integrated Crop Management (ICM) strategies are increasingly being developed, advocated and adopted.

Features:

- Highlights information on many groups of insects and mites that act as natural enemies or biological control agents of phytophagous insects and mites, including plant pests;

- Profusely illustrated with high-quality colour photographs;
- Focuses mainly on insects and mites as natural enemies of plant pests, including parasitic and predacious species that have been accidentally or deliberately introduced in classical biological control programmes;
- Reviews the role of phytophagous European insects and mites in controlling or managing European plants that have become invasive weeds in other parts of the world, notably North America, Australia and New Zealand.

TD595.7/AI374



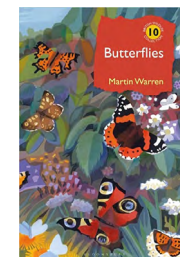
Chittka, L. (2022). *The Mind of a Bee*. Princeton University Press. ISBN 9780691180472

Most of us are aware of the hive mind – the power of bees as an amazing collective. But do we know how uniquely intelligent bees are as individuals? In *The Mind of a Bee*, Lars Chittka draws from decades of research, including his own pioneering work, to argue that bees have remarkable cognitive abilities. He shows that they are profoundly smart, have distinct personalities, can recognize flowers and human faces, exhibit basic emotions, count, use simple tools, solve problems, and learn by observing others. They may even possess consciousness.

Taking readers deep into the sensory world of bees, Chittka illustrates how bee brains are unparalleled in the animal kingdom in terms of how much sophisticated material is packed into their tiny nervous systems. He looks at their innate behaviors and the ways their evolution as foragers may have contributed to their keen spatial memory. Chittka also examines the psychological differences between bees and the ethical dilemmas that arise in conservation and laboratory settings because bees feel and think. Throughout, he touches on the fascinating history behind the study of bee behavior.

Exploring an insect whose sensory experiences rival those of humans, *The Mind of a Bee* reveals the singular abilities of some of the world's most incredible creatures.

TD638.1/Ch652



Warren, M. (2021). *Butterflies: A Natural History*. Bloomsbury Publishing. ISBN 9781472975256

This new addition to the British Wildlife Collection is a unique take on butterfly behaviour and ecology, written by the former Chief Executive of Butterfly Conservation, Martin Warren. It explores the secret lives of our British species (also drawing on comparative examples from continental Europe), revealing how they have become adapted to survive in such a highly competitive natural world.

Combining personal anecdote with the latest discoveries in the scientific literature, this book covers everything from why we love butterflies and their life-cycle from egg to adult, to their struggle for survival in a world of predators and parasites and the miracle of migration. The final chapters explore how butterflies are recorded, the change in their ranges and abundance during the 20th and 21st centuries, and the significance of managing habitats at a landscape scale, concluding with a passionate plea for why we must act now to reverse butterfly declines.

Insightful, inspiring and a joy to read, *Butterflies* is the culmination of a lifetime of careful research into what makes these beautiful insects tick and how and why we must conserve them.

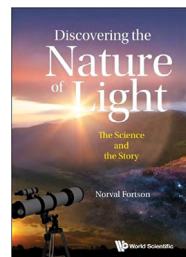
TD595.78/Wa730



Cassidy, M. (2021). *Biological Evolution : An Introduction*. Cambridge University Press. ISBN 9780521012058

Biological evolution, the theory of natural selection and of common descent, is a triumph both of human reasoning and scientific undertaking. The biological discipline of evolution contains both a chronicle of human endeavour and the story of life on Earth. This book is concerned with living forms and how they developed from 'simple and unpromising beginnings'. It considers evolution as both process and product. The author, an experienced teacher and educator, employs a historical narrative, used to convey the idea of 'change with modification' and to emphasise the relevance of evolution to contemporary bioscience. Biological evolution has now become part of the scientific orthodoxy, and this accessible text will assist undergraduate students in the biological sciences within any ongoing debate.

TD575.8/Ca790



Fortson, E.N. (2022). *Discovering the Nature of Light : The Science and the Story*. World Scientific. ISBN 9789811250293

This book is a science text about light for the general reader; it is also an adventure story and a detective story revealing how the secrets of light were uncovered. Readers can share in the thrill of each discovery and learn about some of the myriad applications opened up by these fascinating discoveries, including the telescope, fiber optics, the laser, and even the recent optical detection of gravitational waves from space.

With Professor Fortson, distinguished experimental physicist, as your tour guide, follow the journey from the 17th century – when Descartes first calculated the size of the rainbow – to the 20th century, when the quantum theory of light was born. Learn how Huygens, Newton, Fresnel, Planck, Einstein and many other great scientists solved one mystery after another, from the reason underlying the law of refraction to the puzzle of the photoelectric effect. The journey ends with the solution to the most challenging mystery of all: that light is both a wave and a particle – a fascinating finale.

TD535/Fo737



Essington, T.E. (2021). *Introduction to Quantitative Ecology : Mathematical and Statistical Modelling for Beginners*. Oxford University Press. ISBN 9780192843487

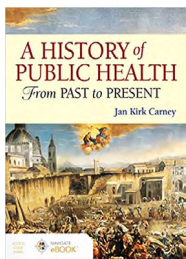
Environmental science (ecology, conservation, and resource management) is an increasingly quantitative field. A well-trained ecologist now needs to evaluate evidence generated from complex quantitative methods, and to apply these methods in their own research. Yet the existing books and academic coursework are not adequately serving most of the potential audience – instead they cater to the specialists who wish to focus on either mathematical or statistical aspects, and overwhelmingly appeal to those who already have confidence in their quantitative skills. At the same time, many texts lack an explicit emphasis on the epistemology of quantitative techniques. That is, how do we gain understanding about the real world from models that are so vastly simplified?

This accessible book introduces quantitative ecology in a manner that aims to confront these limitations and thereby appeal to a far wider audience. It presents material in an informal, approachable, and encouraging manner that welcomes readers with any degree of confidence and prior training. It covers foundational topics in both mathematical and statistical ecology before describing how to implement these concepts to choose, use, and analyse models, providing guidance and worked examples in both spreadsheet format and R. The emphasis throughout is

on the skilful interpretation of models to answer questions about the natural world.

Introduction to Quantitative Ecology is suitable for advanced undergraduate students and incoming graduate students, seeking to strengthen their understanding of quantitative methods and to apply them successfully to real world ecology, conservation, and resource management scenarios.

TD574/Es703



Carney, J.K. (2023). *A History of Public Health : From Past to Present*. Jones & Bartlett Learning. ISBN 9781284111774

A History of Public Health: From Past to Present uses a structured format to study public health from antiquity to the present time. After a brief introduction, this concise text illuminates defining moments in public health history through stories that illustrate people, principles, and challenges. These are followed by a discussion of history's relevance to contemporary practice. Suggestions for additional study, discussion questions, and references complete each chapter.

History gives us a sense of perspective and of proportion. Looking at public health over decades and centuries, we see health issues in a longer context. Students, health care workers, public health professionals, researchers, teachers, advocates, policymakers, and citizens are all needed to improve public health. Public health's history is relevant to our complex, challenging, enduring, and global issues today. Knowledge of our past will help us in the present and prepare us for the future.

Features and benefits:

- Emphasis on selected narratives – more detailed stories – to highlight defining moments in public health history and help readers to remember key historical events, their significance, and determine their relevance to today's issues and practice;

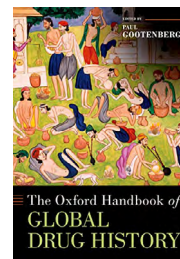
- Easily accessible references and primary sources (historical newspapers, government documents, contemporary textbooks, papers and journal articles) are included for additional study and context;

- Ample visuals and graphics highlight people, priorities, art, public opinion, and trends relevant to the time period, public health issue, and social/cultural context;

- Each chapter highlights the relevance of public health history to contemporary practice;

- Many transformative public health topics and current public health issues are covered (e.g. environmental awakening of the 70s and its relevance to climate change today).

TD61(09)/Ca637

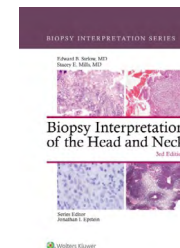


Gootenberg, P. (Ed.). (2022). *The Oxford Handbook of Global Drug History*. Oxford University Press. ISBN 9780190842642

Drugs and their illicit use have long fascinated writers and the public at large. Informed by new interdisciplinary perspectives, a growing number of academically trained historians are now approaching drugs as a wide-open topic for serious research. This book is the first major attempt by historians of drugs to take stock of the recent progress and directions of this field, utilizing both a global scope and long-term historical perspective. Thirty-five original essays simultaneously survey what is known historically about drugs across the world (in Europe, the Americas, Asia, and Africa) as well as illustrating their historical interconnections.

The use of drugs in human culture goes back millennia, with as many unique histories as cultures in which drugs were used. In the early modern world, human relationships with drugs changed, and drugs connected societies through transnational trade. In the nineteenth century, these diverse histories converge in defining the modern "pariah drugs" (among them alcohol, opium, and indigenous hallucinogens) and paved the way for the dramatic twentieth-century rise of both illicit drugs (such as cannabis, heroin, and cocaine) and global prohibitions. Now, in the twenty-first century, we see emerging possibilities for rethinking the global social, health, and policy approaches to drug trafficking and use.

TD615/Ox250

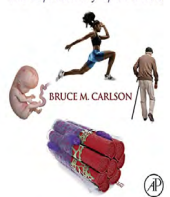


Stelow, E.B., & Mills, S.E. (2021). *Biopsy Interpretation of the Head and Neck* (3rd ed.). Wolters Kluwer. ISBN 9781975139360

Part of the highly regarded *Biopsy Interpretation Series*, this fully revised volume provides practical, highly illustrated information on the diagnosis and prognosis of the full range of biopsies of the various tissues of the head and neck region, including the ear. *Biopsy Interpretation of the Head and Neck, 3rd Edition*, addresses both common and unusual issues that arise in day-to-day practice, with an emphasis on the complex area of the upper aerodigestive tract and ear.

EBSCOhost Ebook Academic Collection

MUSCLE BIOLOGY *The Life History of a Muscle*



Carlson, B.M. (2022).
Muscle Biology : The
Life History of a Muscle.
Academic Press.
ISBN 9780128202784

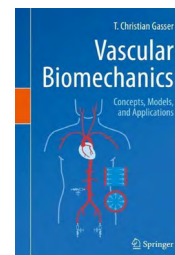
Muscle Biology: The Life History of a Muscle looks at the story of a muscle from its embryonic beginnings, through its growth and ability to adapt to changing functional circumstances during adult life, to its eventual decline in both structure and function as old age progresses. Injury occurs to muscle during normal activity, after trauma, and during the course of certain diseases. Chapters on both muscle regeneration and muscle diseases emphasize the possibilities and limitations of the healing capacity of muscle fibers.

Muscle Biology: The Life History of a Muscle begins with a brief review about the structure and function of a normal mature muscle and then proceeds to follow the developmental history of a muscle from the embryo to old age in a manner that gives the reader a perspective about not only developmental controls but also how at any stage of development a muscle is able to adapt to its functional environment. The book discusses both normal and abnormal changes in the muscle, the mechanisms behind those changes and how to mitigate deleterious changes from disease, 'normal' aging, and disuse/lack of physical activity. This is a must-have reference for students, researchers and practitioners in need of a comprehensive overview of muscle biology.

Key features:

- Provides an overview of muscle biology over the course of one's entire lifespan;
- Explains the important elements of each aspect of muscle biology without drowning the reader in excessive detail;
- Contains over 300 illustrations and includes chapter summaries.

TD612/Ca615



Gasser, T.C. (2021).
Vascular Biomechanics : Concepts, Models, and Applications. Springer.
ISBN 9783030709655

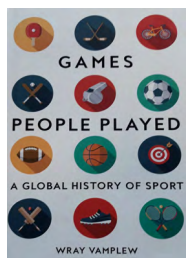
This textbook serves as a modern introduction to vascular biomechanics and provides the comprehensive overview of the entire vascular system that is needed to run successful vascular biomechanics simulations. It aims to provide the reader with a holistic analysis of the vascular system towards its biomechanical description and includes numerous fully through-calculated examples. Various topics covered include vascular system descriptions, vascular exchange, blood vessel mechanics, vessel tissue characterization, blood flow mechanics, and vascular tissue growth and remodeling.

This textbook is ideally suited for students and researchers studying and working in classical and computational vascular biomechanics. The book could also be of interest to developers of vascular devices and experts working with the regulatory approval of biomedical simulations.

- Follows the principle of "learning by doing" and provides numerous fully through-calculated examples for active learning, immediate recall, and self-examination;
- Provides a holistic understanding of vascular functioning and the integration of information from different disciplines to enable students to use sophisticated numerical methods to simulate the response of the vascular system;

- Includes several case studies that integrate the presented material. Case studies address problems, such as the biomechanical rupture risk assessment of Abdominal Aortic Aneurysms, Finite Element analysis of structural and blood flow problems, the computation of wall stress and wall shear stress in the aorta.

TD612.76/Ga767

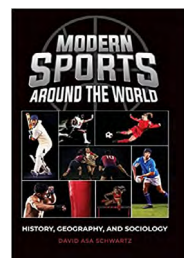


Vamplew, W. (2021). *Games People Played : A Global History of Sport*. Reaktion Books. ISBN 9781789144574

Games People Played is, surprisingly, the first global history of sport. Wray Vamplew assesses how sports have developed and diffused across continents and centuries, exploring topics such as emotion, discrimination and conviviality; politics, nationalism and protest; and how economics has turned sport into a huge consumer industry. Sport is sociable, charitable and health-giving, but this book also examines its dark side: its impact on the environment, players' use of performance-enhancing drugs and the repercussions of match fixing.

Covering everything from curling to baseball, boxing to motor racing, *Games People Played* will appeal to anyone who plays, watches and enjoys sport.

TD796(09)/Va457

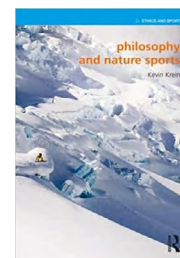


Schwartz, D.A. (2021). *Modern Sports Around the World : History, Geography, and Sociology*. ABC-CLIO. ISBN 9781440868795

Sports have become an international spectacle that influences nations' foreign policy, world economies, and regional morale. Hundreds of billions of dollars are at stake as governments and multinational corporations rush to make sure they have a place at the table. And yet, sports come from humble beginnings. We are fascinated by who can run the fastest, lift the most weight, jump the highest, swim the farthest, and act with the most precision. The history of sports is the history of the world.

Modern Sports around the World examines 50 of the world's most popular sports. Each chapter features one sport and details that sport's origins, global migration, economic forces, media influences, political environment, pop-culture inspirations, scandalous moments, and key individuals. Sports history is a tapestry of sociological variables; *Modern Sports around the World* weaves them together to create a unique history book that explains not only where humanity has been, but where it might be going.

TD796(09)/Sc851



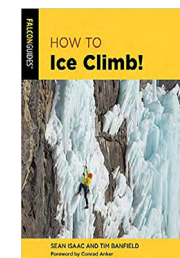
Krein, K. (2020). *Philosophy and Nature Sports*. Routledge. ISBN 9780367520328

Nature sports such as skiing, climbing, and surfing have had a significant influence on Western popular culture since the mid-twentieth century and participation in such sports continues to grow. Written in a clear and accessible style, this important book provides a comprehensive philosophical analysis of nature sports.

Philosophy and Nature Sports offers an engaging inquiry into how nature sports differ from mainstream sports, how these differences are related to their value as human activities, and the role of the environments in which such sports take place. Addressing the claim that the most distinctive feature of nature sports is the relationship between participants and the natural world, the book also examines a wide range of topics, such as ethics, risk, gender construction, the social role of nature sport subcultures and the aesthetic experiences of nature sports athletes. Tying these together is the question of what it is that attracts us to nature sports and why they hold meaning for us.

This is a valuable resource for students and academics in fields such as alternative sports, alternative sport subcultures, sport philosophy, sport and social issues, ethics, and phenomenology. It is also a fascinating read for outdoor educators and practitioners.

TD796/Kr365



Banfield, T., & Isaac, S. (2021). *How to Ice Climb!* (2nd ed.). FalconGuides. ISBN 9780762782772

Ice climbing continues to grow more popular every year. Advances in equipment and technique have helped make the sport accessible to a wide variety of outdoor enthusiasts. *How to Ice Climb!* is the most complete and up-to-date reference available on the sport. Tim Banfield and Sean Isaac provide essential information for beginners and valuable tips for experts. Starting with an overview of the history of ice climbing, the authors move on to cover equipment selection, approach strategies, avalanche safety, hazard management, movement skills, anchor systems, overhanging ice, mixed climbing, and more. All facets of ice climbing are thoroughly examined and explained. Full color photos complement the text to make *How to Ice Climb!* the most complete resource available.

Look inside for:

- Expert advice;
- Tricks and techniques;
- Full color photos;
- Inspiration and motivation.

TD796.5/Ba471

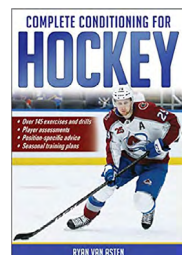


Ballu, Y. (2021). *L'Épopée du ski*. Arthaud.
ISBN 9782080249968

Si le ski est aujourd'hui un sport et un loisir plébiscité par un grand nombre de passionnés, son histoire reste entourée de mystères. Moyen de transport rustique et indispensable à la survie des montagnards, le ski est devenu en quelques décennies un accessoire sophistiqué au service des sportifs.

De son invention préhistorique aux premiers champions olympiques, cette épopée illustrée recense les aventures étonnantes de ceux qui sont à l'origine du ski moderne. Peintures rupestres, illustrations fantaisistes du XVI^e siècle, affiches de promotion des sports d'hiver... cette histoire du ski regorge de documents étonnants.

TD796.9/Ba377



Van Asten, R. (2023). *Complete Conditioning for Hockey*. Human Kinetics.
ISBN 9781718208872

Hockey players are stronger, quicker, and more agile than ever before. To compete and win in today's game requires superior stamina and strength. *Complete Conditioning for Hockey* will help get you there with a year-round training plan that will get you primed for a winning season.

Author Ryan Van Asten, one of the leading strength and conditioning coaches in the sport, shares the same approach he's used with elite players and teams at the professional and national levels. *Complete Conditioning for Hockey* covers every aspect of physical preparation, including these:

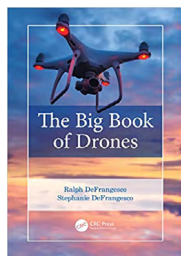
- Movement optimization;
- Endurance and strength;
- Functional power;
- Acceleration and speed;
- Change of direction and reactivity;
- Recovery and injury risk reduction.

Learn to assess hockey skills and then select from more than 145 exercises to address weaknesses and enhance your strengths. Position-specific guidelines further help you personalize your plan, and seasonal training plans provide specific information and exercises for the off-season, preseason, in-season, and postseason to ensure optimal peaking and recovery.

Complete Conditioning for Hockey also

features a detailed analysis of player movement and conditioning needs, taking the process of physical preparation for hockey to a whole new level. This is next-level performance training that will elevate your game.

TD796.966/As754



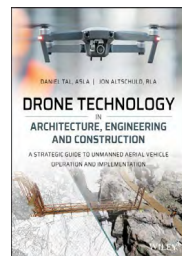
DeFrancesco, R., & DeFrancesco, S. (2023). *The Big Book of Drones*. CRC Press. ISBN 9781032062822

Drones are taking the world by storm. The technology and laws governing them change faster than we can keep up with. *The Big Book of Drones* covers everything from drone law to laws on privacy, discussing the history and evolution of drones to where we are today. If you are new to piloting, it also covers how to fly a drone including a pre-flight checklist.

For those who are interested in taking drones to the next level, we discuss how to build your own using a 3D printer as well as many challenging projects for your drone. For the truly advanced, *The Big Book of Drones* discusses how to hack a drone. This includes how to perform a replay attack, denial of service attack, and how to detect a drone and take it down.

Finally, the book also covers drone forensics. This is a new field of study, but one that is steadily growing and will be an essential area of inquiry as drones become more prevalent.

TD629.73/De178



Tal, D., & Altschuld, J. (2021). *Drone Technology in Architecture, Engineering and Construction : A Strategic Guide to Unmanned Aerial Vehicle Operation and Implementation*. Wiley. ISBN 9781119545880

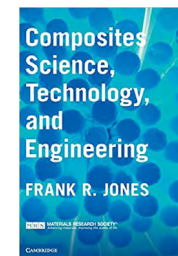
Drone Technology in Architecture, Engineering and Construction: A Strategic Guide to Unmanned Aerial Vehicle Operation and Implementation is the only process-driven, step-by-step handbook to implement drone technology in AEC workflows. It provides a comprehensive and practical roadmap for architecture, engineering and construction firms to incorporate drones into their design and construction processes.

The book offers extensive information on drone data processing, and includes guidance on how to acquire, manipulate and use the various data types produced from drone flights. The creation of three-dimensional data and visualizations are covered in-depth. *Drone Technology in Architecture, Engineering and Construction* reviews how to select and fly drones based on data needs and initial costs, and how to collect and maintain required flight logs, licenses, and permits. *Drone Technology in Architecture, Engineering and Construction* uses several real-world project examples that demonstrate and explain how drones can be used to collect:

- Full-color orthorectified imagery;
- Accurate 3D point cloud and mesh models;
- Topographic contours;
- Digital Elevation Models (DEMs).

Drone Technology in Architecture, Engineering and Construction is an essential guide for a wide variety of professionals, from civil engineers to landscape architects. It provides information on professional use of drones for those just considering the technology, to those already flying drones professionally. It is an invaluable guide for anyone working in the design or construction of buildings and landscapes.

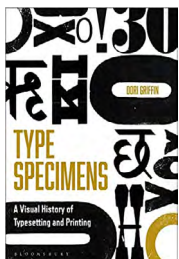
TD629.73/Ta280



Jones, F.R. (2022). *Composites Science, Technology, and Engineering*. Cambridge University Press. ISBN 9781107036123

Understand critical principles of composites, such as design of durable structures, choice of fibre, matrix, manufacturing process, and mechanics with this interdisciplinary text. The book features up-to-date coverage of hybrids of fibres and particles and explanation of failure criteria, and includes a comprehensive discussion on choice of fibres, matrices, manufacturing technology, and micromechanics for durable composite structures. It provides the structure and properties of reinforcing fibres, particulates, and matrices together with a discussion of fracture mechanics. This is an essential guide for scientists and engineers wishing to discover the benefits of composite materials for designing strong and durable structures.

TD620.1/Jo510



Griffin, D. (2022). *Type Specimens : A Visual History of Typesetting and Printing.* Bloomsbury Visual Arts. ISBN 9781350116597

An introduction to the history of typography and printing through a visual tour of the books, posters, and ephemera designed to sell fonts to printers, publishers, and eventually graphic designers.

This richly illustrated book guides advanced design students, design educators, design practitioners, and type aficionados through four centuries of visual and trade history, equipping them to contextualize the aesthetics and production of type in a way that is practical, engaging, and relevant to their practice.

Based around detailed archival research, *Type Specimens* provides readers with access to the rarely seen but essential tool of the global typographic trade. Griffin illuminates the broader history of typography and printing, showing how letterforms and their technologies have evolved over time and in relationship to cultural context, inspiring and guiding designers of today.

Includes:

- Over 250 full color images of rarely seen printing and type specimens, representing 23 countries of origin and 13 global scripts;
- A visual glossary, to expand your vocabulary and develop your understanding;
- Historical timelines at the start of each chapter, to contextualize each new development.

TD655/Gr525

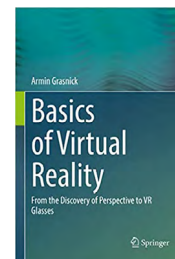


Östlund, S., & Niskanen, K. (Eds.). (2021). *Mechanics of Paper Products* (2nd ed.). De Gruyter. ISBN 9783110617412

This book focuses on the mechanical properties and performance of products made of fiber-based materials. It helps students to develop skills for solving problems of product performance and engineering challenges in product development. Organized with a problem-based approach – practical examples of product performance are presented and the relevant mechanics are analyzed to deduce which material properties control the performance.

- Second, revised and extended edition;
- New chapter on state-of-the art numerical modeling of fibre network materials.

TD676/Me030



Grasnick, A. (2021). *Basics of Virtual Reality : From the Discovery of Perspective to VR Glasses.* Springer. ISBN 9783662642009

Today, the reality we know can be recorded and reproduced true to reality using technical processes. Space and time are recreated virtually as a copy in artificial reality. However, the reproduction of virtual reality is not limited to a mere copy of what exists. A visitor to the virtual space does not have to be content with the pixelated image of the old familiar, but can encounter unreal phenomena in the illusory world that never existed in real life or are even physically impossible. This enables an expansion of the recorded reality and allows the perception of surprisingly new perspectives.

This book is a translation of the original German 1st edition *Grundlagen der virtuellen Realität* by Armin Grasnick, published by Springer-Verlag GmbH Germany, part of Springer Nature in 2020. The translation was done with the help of artificial intelligence (machine translation by the service DeepL.com). A subsequent human revision was done primarily in terms of content, so that the book will read stylistically differently from a conventional translation. Springer Nature works continuously to further the development of tools for the production of books and on the related technologies to support the authors.

A perspective denotes the perception of a fact from a certain point of view and corresponds to the way of looking at things. But a perspective

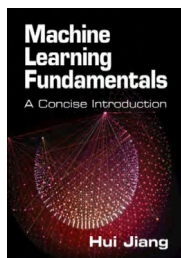
is also the observation of a scene from a viewing position. From different perspectives the illusion of reality arises during the reproduction by observation. This vision is not based on imagination or hallucination, but is the basic function of virtual reality.

This book describes the concepts, systems, and technologies used to create virtual reality from its ancient beginnings to the present, and provides a glimpse into a possible future.

The contents:

- Discovery of perspective – The natural perception of perspective and its reproduction;
- Images from light – The recording and reproduction of reality;
- Virtual illusions – The creation of spatial images;
- Virtual spaces – The creation of illusory worlds.

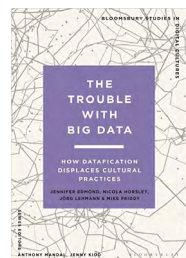
TD004.946/Gr225



Jiang, H. (2021). *Machine Learning Fundamentals : A Concise Introduction*. Cambridge University Press.
ISBN 9781108940023

This lucid, accessible introduction to supervised machine learning presents core concepts in a focused and logical way that is easy for beginners to follow. The author assumes the reader's knowledge of basic calculus, linear algebra, probability, and statistics but no prior exposure to machine learning. Coverage includes widely used traditional methods such as SVMs, boosted trees, HMMs, and LDAs, plus popular deep learning methods such as convolution neural nets, attention, transformers, and GANs. Organized in a coherent presentation framework that emphasizes the big picture, the text introduces each method clearly and concisely "from scratch" based on the fundamentals. All methods and algorithms are described in a clean and consistent style, with a minimum of unnecessary detail. Numerous case studies and concrete examples demonstrate how the methods can be applied in a variety of contexts.

TD004.8/Ji010



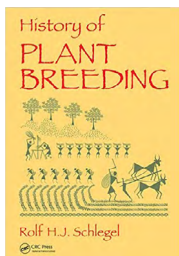
Edmond, J., Horsley, N., Lehmann, J., & Priddy, M. (2022). *The Trouble with Big Data : How Datafication Displaces Cultural Practices*. Bloomsbury Academic.
ISBN 9781350239623

This book is available as open access through the Bloomsbury Open programme and is available on www.bloomsburycollections.com. It is funded by Trinity College Dublin, DARIAH-EU and the European Commission.

The Trouble with Big Data explores the myriad challenges that society faces with big data through the lens of culture, as demonstrated in the words we use, the values that underpin our interactions, and the biases and assumptions that drive us.

Focusing on areas such as data and language, data and sense-making, data and power, data and invisibility, and big data aggregation, this book examines the social impact of data-driven scientific practices. The authors demonstrate that humanities research – focusing on cultural rather than social, political or economic frames of reference for viewing technology – resists mass datafication for a reason and that those very reasons are invaluable for the critical observation of big data research and innovation.

TD004.6/Ed730



Schlegel, R.H.J. (2021).
History of Plant Breeding.
CRC Press.
ISBN 9781032095813

While there has been great progress in the development of plant breeding over the last decade, the selection of suitable plants for human consumption began over 13,000 years ago. Since the Neolithic era, the cultivation of plants has progressed in Asia Minor, Asia, Europe, and ancient America, each specific to the locally wild plants as well as the ecological and social conditions.

A handy reference for knowing our past, understanding the present, and creating the future, this book provides a comprehensive treatment of the development of crop improvement methods over the centuries. It features an extensive historical treatment of development, including influential individuals in the field, plant cultivation in various regions, techniques used in the Old World, and cropping in ancient America. The advances of scientific plant breeding in the twentieth century is extensively explored, including efficient selection methods, hybrid breeding, induced polyploidy, mutation research, biotechnology, and genetic manipulation. Finally, this book presents information on approaches to the sustainability of breeding and to cope with climatic changes as well as the growing world population.

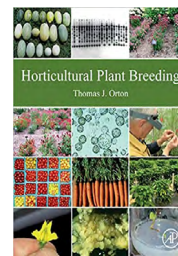
Features:

- Presents information on leaders in plant

cultivation as well as theories, achievements, disputes, and institutions crucial in the evolution of crop improvement;

- Examines current techniques of crop development and highlights the recent progress in biotechnology;
- Focuses of the full range of social and scientific advances in crop development;
- Includes recent marker and mapping methods as prerequisites for “smart breeding”;
- Describes wide utilization plant diversity in pre-breeding;
- Compiles historical breeding approaches together with gene editing of the future.

TD631.52/Sc391



Orton, T.J. (2019).
Horticultural Plant Breeding. Academic Press.
ISBN 9780128153963

Horticultural Plant Breeding is a complete and comprehensive resource for the development of new cultivars of sexually- and asexually-propagated horticultural crops. It covers the basic theories that underpin plant breeding and applies Mendelian, quantitative and population inheritance practices in smaller populations where the individual plant has relatively high value. Specific traditional breeding methods are also covered with an emphasis on how these methods are adapted for horticultural species. In addition, the integration of biotechnologies with traditional breeding methodologies is explored. Presented in focused sections, *Horticultural Plant Breeding* addresses historical perspectives and context and genetics as a critical foundation of plant breeding. It presents treatments of the various components of breeding programs, such as breeding objectives, germplasm, population engineering, mating systems, enhanced selection methods, established breeding methods applicable to different mating systems, and post-breeding activities.

It is an ideal resource for professionals, academics, and undergraduate and graduate students in the plant sciences.

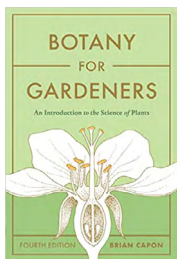
Key features:

- Provides a complete and comprehensive resource for those involved in the development

of new cultivars or clones of horticultural crops;

- Guides readers to the most appropriate breeding strategy including potential integration of traditional and biotechnology strategies that will best achieve a cost-effective outcome;
- Will include access to narrated slide sets to facilitate additional understanding.

TD631.52/Or860



Capon, B. (2022). *Botany for Gardeners : An Introduction to the Science of Plants* (4th ed.). Timber Press. ISBN 9781643261430

What happens inside a seed after it is planted? How are plants structured? How do plants reproduce? The answers to these and other questions about the complex world of plants can be found in Brian Capon's *Botany for Gardeners*, the go-to introduction to botany for students and gardeners.

This revised fourth edition features new photos and illustrations that help clarify the concepts, the latest scientific advances, changes in nomenclature and taxonomy, and more. From plant anatomy to basic genetics, this marvelous book explains the science of plants in plain language anyone can understand.

TD581.1/.4/Ca498



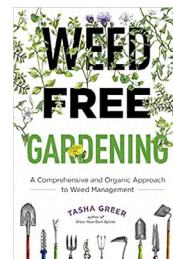
Murphy, E. (2022). *Grow Now : How We Can Save Our Health, Communities, and Planet-One Garden at a Time*. Timber Press. ISBN 9781643260471

Did you know you can have a garden that's equal parts food source and wildlife haven? In *Grow Now*, Emily Murphy shares easy-to-follow principles for regenerative gardening that foster biodiversity and improve soil health. She also shows how every single yard mirrors and connects to the greater ecosystem around us.

No-dig growing, composting and mulching smartly, and planting a variety of edible perennials that attract bees and butterflies are all commonsense techniques everyone can use to grow positive change. You'll also find detailed advice on increasing your nature quotient, choosing plants that cycle more carbon back into the soil, selecting a broader variety of vegetables and fruits to improve overall soil fertility, rethinking space devoted to lawns, and adding companion plants for pollinators to rewild any plot of land.

Exquisitely photographed and filled with helpful lists and sidebars, *Grow Now* is an actionable, hopeful, and joyful roadmap for growing our way to individual climate contributions.

TD631.147/Mu590



Greer, T. (2022). *Weed-Free Gardening : A Comprehensive and Organic Approach to Weed Management*. Cool Springs Press. ISBN 9780760373231

Whether you grow flowers, vegetables, or shrubs, weeds are a challenge faced by every gardener. They compete with our desired plants for water, nutrients, and sunlight, but managing them is a real drag. *Weed-Free Gardening* is here to save the day (and your back)!

From prevention techniques like mulching and proper soil care to the best weeding tools and management strategies for long-term success, you'll learn how to keep weeds in check without the need for potentially harmful herbicides. Save time, money, and energy with the practical weed prevention and control methods outlined in these pages.

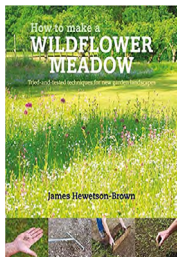
Learn how to:

- Disrupt the lifecycle of annual weeds to keep them at bay;
- Reduce or eliminate deep-rooted perennial weeds;
- Keep weeds out of the vegetable garden while still ensuring healthy, productive soil;
- Develop a plan for lasting weed control;
- Understand how different weeds grow and how to use that information against them;
- Appreciate certain weeds for their virtues (yes, some weeds actually have benefits to gardeners);
- Limit weeds in a way that won't harm pets or people;

• Fall in love with your garden again.

This is not a weed identification book. Instead, it is an essential handbook filled with useful weed-management advice, no matter what weeds are growing in your garden. Not everyone can afford to hire a landscape crew to tackle their weeds. If that's you, the smart, chemical-free solutions found here are your ticket to a weed-free garden.

TD631.147/Gr350



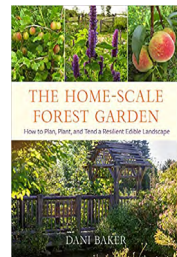
Hewetson-Brown, J. (2022). *How to Make a Wildflower Meadow : Tried-And-Tested Techniques for New Garden Landscapes*. Filbert Press. ISBN 9781739903916

Flowering meadows are beautiful to look at and promote a sense of well-being, but they can be difficult to establish and many people give up. This book will change that with its practical advice and new establishment techniques.

Meadows provide valuable habitats for wildlife and it's now possible to have one in flower this year rather than in 5 years time, which is good news for pollinators. Simply choose the best option for the site using seed, rollout turf, or seeded earth and follow the instructions.

Richly illustrated with inspiring photographs and including over 30 case studies, this book showcases meadows of all sizes in private gardens and public spaces. Whether your dream is to walk through a waist-high meadow on the way to your front door, plant up and awkward sloping bank, or soften the edges of a path, read this book first.

TD635.9/He933



Baker, D. (2022). *The Home-Scale Forest Garden : How to Plan, Plant, and Tend a Resilient Edible Landscape*. Chelsea Green Publishing. ISBN 9781645020981

In *The Home-Scale Forest Garden*, gardener Dani Baker provides a practical, in-depth guide to creating a beautiful, bountiful edible landscape at any scale – from creating a foundation planting to developing an edible hedge to planting an acre or more.

Discover how to create a resilient forest garden ecosystem, including:

- Observing and mapping your space;
- Grouping fruit trees, berry bushes, and perennial vegetables, herbs, and edible flowers in diverse layers that attract and shelter beneficial insects and birds;
- Creating microclimates to increase the range of plants you can grow;
- Expending less energy for greater reward.

Along with over 200 photographs taken over 10 years of forest garden development, you'll find illustrated designs of plant groupings for a range of conditions, including hot, dry sites and shady, moist sites. This book is the perfect guide for gardeners of all experience levels who want to embark on their own forest garden adventure.

TD635.9/Ba237



Cothron, B. (2022). *The Berry Grower : Small Scale Organic Fruit Production in the 21st Century*. New Society Publishers. ISBN 9780865719651

An innovative guide for growing and marketing organic small fruits and berries, *The Berry Grower* offers intelligent strategies and solutions for successful small-scale, non-chemical fruit production in the 21st century.

Coverage includes:

- History, innovations, and 21st century challenges in modern fruit farming;
- Creating your own market farming reality;
- Farm planning for efficiency and profitability;
- Factoring in climate change, drought, and extreme weather;
- Soil fertility, efficient weed management, and organic pest control;
- Modern tools of the trade for efficiency;
- Harvesting, fruit handling, and packing;
- Fruit profiles including raspberries, blackberries, strawberries, currants, gooseberries, figs, tomatoes, and more, including new cultivars;
- Innovative marketing methods and thinking beyond fresh fruit with multi-product strategies to maximize profit;
- Learn from other experts through interviews with successful growers and marketers from diverse areas around the USA.

From the market garden and small farm to the homestead and backyard, *The Berry Grower* is the essential guide for both new and aspiring

organic small fruit growers and seasoned farmers looking to produce high-quality organic fruits and products for local markets and self-sufficiency.

TD634.1/Co804

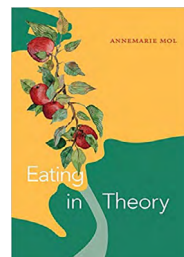


Collins, R.F. (2022). *Chocolate: A Cultural Encyclopedia*. ABC-CLIO. ISBN 9781440876073

No food in the world can offer as storied a history as chocolate. *Chocolate: A Cultural Encyclopedia* focuses on cocoa's history from ancient Mesoamerican beginnings as a symbol of ritual, life, and death, to its omnipresence in Europe, North America, and the rest of the world. In 10 thematic chapters covering chocolate in society and culture, 80 shorter entries, recipes, and a comprehensive timeline, this new book takes a closer look at how chocolate has served as a medicine, an indulgence, a symbol of decadence, a door to romance, a tempting taboo, a means of survival, and a snack for children and adults alike.

Why did popes and kings so fear their chocolate? Who invented milk chocolate, and why was its formula kept secret? Why did soldiers in World War II despise their chocolate rations? Who makes the most chocolate today? Find out the answers to these questions and more as this book tells you everything you wanted to know – and a lot you didn't even know existed – about the seed from the world's favorite fruit tree.

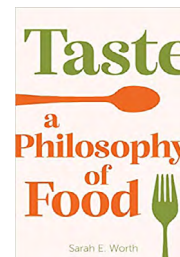
TD663.9/Co255



Mol, A. (2021). *Eating in Theory*. Duke University Press. ISBN 9781478011415

As we taste, chew, swallow, digest, and excrete, our foods transform us, while our eating, in its turn, affects the wider earthly environment. In *Eating in Theory* Annemarie Mol takes inspiration from these transformative entanglements to rethink what it is to be human. Drawing on fieldwork at food conferences, research labs, health care facilities, restaurants, and her own kitchen table, Mol reassesses the work of authors such as Hannah Arendt, Maurice Merleau-Ponty, Hans Jonas, and Emmanuel Levinas. They celebrated the allegedly unique capability of humans to rise above their immediate bodily needs. Mol, by contrast, appreciates that as humans we share our fleshy substance with other living beings, whom we cultivate, cut into pieces, transport, prepare, and incorporate – and to whom we leave our excesses. This has far-reaching philosophical consequences. Taking human eating seriously suggests a reappraisal of being as transformative, knowing as entangling, doing as dispersed, and relating as a matter of inescapable dependence.

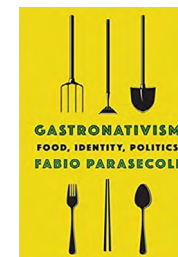
TD664/Mo150



Worth, S.E. (2021). *Taste: A Philosophy of Food*. Reaktion Books. ISBN 9781789144802

When we eat, we eat the world: taking something from outside and making it part of us. But what does it taste of? And can we develop our taste? In *Taste*, Sarah E. Worth argues that taste is a sense that needs educating, for the real pleasures of eating come only with an understanding of what one really likes. From taste as an abstract concept to real examples of food, she explores how we can learn about and develop our sense of taste through themes ranging from pleasure, authenticity and food fraud, to visual images, recipes and food writing.

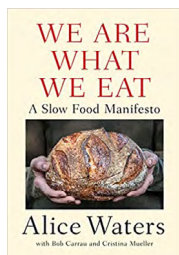
TD664/Wo800



Parasecoli, F. (2022). *Gastronativism: Food, Identity, Politics*. Columbia University Press. ISBN 9780231202077

Fabio Parasecoli identifies and defines the phenomenon of "gastronativism," the ideological use of food to advance ideas about who belongs to a community and who does not. As globalization and neoliberalism have transformed food systems, people have responded by seeking to return to their roots. Many have embraced local ingredients and notions of cultural heritage, but this impulse can play into the hands of nationalist and xenophobic political projects. Such movements draw on the strong emotions connected with eating to stoke resentment and contempt for other people and cultures. However, pride in culinary traditions can also be channeled in healthier directions, empowering participants in inclusive initiatives to advance justice and sustainability.

TD664/Pa482



Waters, A., Carrau, B., & Mueller, C. (2021). *We Are What We Eat: A Slow Food Manifesto*. Penguin Press.
ISBN 9780525561538

When Alice Waters first opened Chez Panisse in 1971, she did so with the intention of feeding people good food during a time of political turmoil. Over the years, she and her partners realized that so many of the serious problems we face in the world today – from illness, to social unrest, to economic disparity and environmental degradation – are all, at their core, connected to food.

In *We Are What We Eat*, Waters urges us to take up the mantle of slow food culture, the philosophy that has guided her life's work. Waters has come to see that it is the phenomenon of fast food culture, which prioritizes cheapness, availability, and speed, that is not only ruining our health but also dehumanizing the ways we live and relate to one another and poisoning our environment. Fortunately, there is a solution we can all participate in. Waters argues that by eating in a "slow food way," each of us – like the farm-to-table community that's grown around her restaurant and the world – can be empowered to prioritize and nurture a different kind of culture, one that champions values such as biodiversity, seasonality, stewardship, and pleasure in work.

This is a call to action against fast food culture, a working theory about what we can do to change course. We have the power to choose what we eat, and we have the potential for

individual and global transformation – simply by shifting our relationship to food. All it takes is a taste.

TD641/Wa898



Zimmeroff, L. (2021). *Technically Food: Inside Silicon Valley's Mission to Change What We Eat*. Abrams Press.
ISBN 9781419747090

Eating a veggie burger used to mean consuming a mushy, flavorless patty that you would never confuse with beef. But now companies like Beyond Meat, Impossible Foods, and Eat Just dominate the media and the refrigerated sections of our grocery stores. With the help of scientists working in futuristic labs – making milk without cows, and eggs without chickens – start-ups are creating convincing facsimiles, and even wholly new food categories.

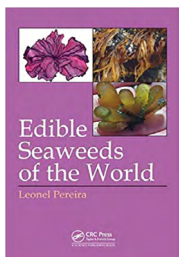
These foods are cheered by consumers and investors, because many are plant-based – often vegan – and help address societal issues like climate change, animal rights, and our planet's dwindling natural resources. But too often they are ultra-processed and secretly produced. What of our personal health? What do we give up by embracing a technology-driven food supply?

Investigative reporter Larissa Zimmeroff's *Technically Food* is the first comprehensive survey of the food companies at the forefront of this booming business. Zimmeroff pokes holes in the mania driving today's changing food landscape and demystifies these mysterious foods. Readers will learn about the manufacturing systems and monocrops behind the flashy technology, the origins of "hot" new proteins like pea, mung bean, and canola, and the problems with entrusting venture capitalists and Wall Street with our

very livelihood.

Through newsbreaking revelations and conversations with leading industry voices, *Technically Food* examines the trade-offs of replacing real food with technology-driven approximations and shines a bright light on the rapid changes coming to our supermarkets.

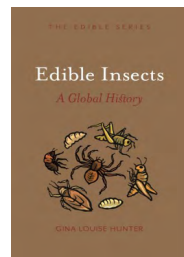
TD613.2/Zi592



Pereira, L. (2021). *Edible Seaweeds of the World*. CRC Press. ISBN 9780367783235

Seaweeds are used in many countries for very different purposes – directly as food, especially in sushi and other traditional recipes, as a source of phycocolloids, extraction of compounds with antiviral, antibacterial or antitumor activity and as biofertilizers. About twenty four million tons of seaweeds are harvested annually worldwide. Of the various species known, less than 20 account for 90% of the biomass exploited commercially. This book provides details of about 664 species of edible seaweed, including scientific name, synonyms, respective common names, geographic location, nutritional composition, uses and is extensively illustrated.

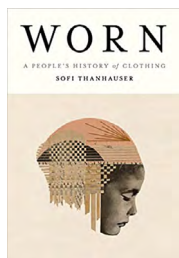
TD581.6/Pe527



Hunter, G.L. (2021). *Edible Insects : A Global History*. Reaktion Books. ISBN 9781789144468

An estimated 2 billion people worldwide regularly consume insects, yet bugs are rarely eaten in the West. Why are some disgusted at the thought of eating insects while others find them delicious? *Edible Insects* provides a broad introduction to the role of insects as human food, from our prehistoric past to current food trends, and explores how they could be a solution to our current global food shortage. On the menu are beetles, butterflies, grasshoppers and grubs of many kinds, with stories that highlight traditional methods of insect collection, preparation, consumption and preservation as well as the culinary uses of creepy-crawlies across many cultures.

TD638/Hu643



Thanhauser, S. (2022). *Worn : A People's History of Clothing*. Pantheon Books. ISBN 9781524748395

In this panoramic social history, Sofi Thanhauser brilliantly tells five stories – Linen, Cotton, Silk, Synthetics, Wool – about the clothes we wear and where they come from, illuminating our world in unexpected ways. She takes us from the opulent court of Louis XIV to the labor camps in modern-day Chinese-occupied Xinjiang. We see how textiles were once dyed with lichen, shells, bark, saffron, and beetles, displaying distinctive regional weaves and knits, and how the modern Western garment industry has refashioned our attire into the homogenous and disposable uniforms popularized by fast-fashion brands.

Thanhauser makes clear how the clothing industry has become one of the planet's worst polluters and how it relies on chronically underpaid and exploited laborers. But she also shows us how micro-communities, textile companies, and clothing makers in every corner of the world are rediscovering ancestral and ethical methods for making what we wear.

Drawn from years of intensive research and reporting from around the world, and brimming with fascinating stories, *Worn* reveals to us that our clothing comes not just from the countries listed on the tags or ready-made from our factories. It comes, as well, from deep in our histories.

TD687(09)/Th103



McKever, R., Wilcox, C., & Franceschini, M. (Eds.). (2022). *Fashioning Masculinities : The Art of Menswear*. V&A Publishing. ISBN 9781838510114

At a moment of unprecedented creativity in men's fashion, and continuing reflections on gender, contemporary designers are questioning established forms, seeking to liberate wearers from traditional models of masculine dress.

This book combines fashion with artistic and broader cultural histories – looking at the designers, tailors and artists who have constructed and performed masculinity from the Renaissance to the present day. It traces connections across and beyond European menswear, celebrating both rich traditions and daring individualists.

Divided into three parts, *Undressed* reveals the role of the body and underwear in fashioning masculinities. *Overdressed* explores the power dynamics of sartorial bravado, while *Redressed* deconstructs a modern masculine uniform: the black suit.

Featuring a staggering range of cultural touchstones from Hercules to Virgil Abloh, Giovanni Battista Moroni to Jawaharlal Nehru, Yves Saint Laurent to Kehinde Wiley, Marcus Rashford, Marlene Dietrich and even Captain America, *Fashioning Masculinities* challenges our preconceptions about menswear, revealing the fascinating historical roots beneath the power, artistry and diversity of masculine attire and appearance today.

TD687(09)/Fa733



de la Haye, A., & Mendes, V.D. (2021). *Fashion Since 1900* (3rd ed.). Thames & Hudson. ISBN 9780500204696

From the turn-of-the-century S-bend silhouette, to celebrity couture of the new millennium and the evolution of streetwear, this comprehensive survey explores significant developments in fashion from 1900 to the present day. Fashion curators Amy de la Haye and Valerie Mendes focus on key movements and innovations in style, and explore trends through the work of some of the world's most original and influential designers and couturiers. Chapters are organized around crucial shifts in tastes and major world events, and exciting advances in fashion are placed within their socioeconomic, political and cultural contexts.

International in scope with colour illustrations throughout, this edition includes updated text as well as a new chapter that discusses some of the defining features of fashion in our time: the industry's proactive embrace of age, gender and race diversity, and its ongoing efforts to combat labour exploitation and encourage global sustainability.

TD687"19"/De001



Parker, T. (2021). *Draping for Fashion Design*. The Crowood Press. ISBN 9781785009532

This practical book explains how to achieve great designs and creative cuts by seeing ideas come to life three dimensionally. By manipulating and pinning fabric on the dress form or house model, fashion designers can visualize their ideas and become more confident with their own creative visions. Written by a leading designer, *Draping for Fashion Design* is an essential guide to this skill (also known as 'moulage'), and explains how the fashion designer can understand their designs more fully, as well as the fabric and the garment's fit, in order to achieve impressive and sometimes unexpected results.

- Includes advice on how to measure the body, as well as prepare the mannequin and fabric;
- Explains the draping process in detail with step-by-step instructions and practical tips throughout;
- Covers how to convert a drape into a master pattern then a paper production pattern for toile and review;
- Advises on working at half scale and provides calico preparation diagrams;
- Chapters introduce new design elements and/or garment type, and cover dresses, skirts, shirts and blouses;
- Over 400 illustrations support the text and show detailed examples of the process and end results.

TD687.023/Pa543



D'Alessandro, J. (2022).
Guo Pei : Couture Fantasy. Fine Arts Museums of San Francisco in association with Yale University Press.
ISBN 9780300264258

Guo Pei (b. 1967), China's premier couturier and one of the world's most innovative fashion designers, has astonished runway audiences from Beijing to Paris for more than twenty-five years. She is recognized for her consummate craftsmanship, lavish embroidery, and imaginative dressmaking techniques as well as for her elaborate and theatrical runway presentations. Her complex and visually dazzling work is inspired by sources as varied as China's imperial past, export art, European court life and architecture, and the botanical world. Published on the occasion of the 2022 exhibition *Guo Pei: Couture Fantasy* at the Legion of Honor in San Francisco, this stunning volume features more than two hundred fifty color illustrations highlighting eighty-two of the artist's most sumptuous creations, a gallery of backstage photographs, and a facsimile sketchbook that allows unique insight into her design process. Essays by leading fashion scholars, an intimate Q&A with the designer, and a detailed chronology further explore the trajectory of Guo Pei's extraordinary career and provide a deeper understanding of her singular aesthetic philosophy, which has been shaped by her cultural heritage as well as China's modern history.

TD687(092)/Pe160

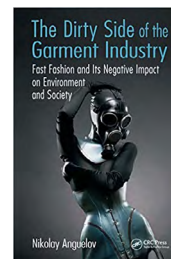


Grose, V. (2021).
A Practical Guide to the Fashion Industry : Concept to Customer (2nd ed.). Bloomsbury Visual Arts.
ISBN 9781350079670

Highlighting the skills needed to develop and manage a fashion brand, Virginia Grose has created a no-nonsense guide to help you quickly get to grips with the business of fashion. International interviews and case studies give insight into the realities of this competitive industry, examining traditional and newer roles within the industry.

This second edition covers sustainable practice, the use of social media, the circular economy and slow fashion. There's also more on digital storytelling, online and offline retailing and elements of retail entertainment for customers plus the impact of fast fashion throughout the industry.

TD687/Gr724



Anguelov, N. (2021). ***The Dirty Side of the Garment Industry : Fast Fashion and Its Negative Impact on Environment and Society.*** CRC Press.
ISBN 9781032179667

When thinking about lowering or changing consumption to lower carbon footprints, the obvious offenders come easily to mind: petroleum and petroleum products, paper and plastic, even food. But not clothes. Although the clothing industry is the second largest polluter after agriculture, most consumers do not think of clothes as a source of environmental damage. *The Dirty Side of the Garment Industry: Fast Fashion and its Negative Impact on Environment and Society* exposes how clever marketing tactics designed to increase demand skillfully hide this reality.

An in-depth examination of the international fashion trade and related goods, this book raises visibility of the ethical aspects of promoting overconsumption through explaining the ecological damage resulting from the high rate of discarding old clothes. It focuses on the promotion, globalization, and integration of the apparel sector into our social and political landscape. It presents an expert overview of the garment industry, highlighting the harsh realities of the environmental and labor problems associated with it. It tracks the commercial and cultural factors that have led to the growth of fast fashion retail and its dominance of the entire industry.

The book covers current regulatory policies, both national and international, on production and labor, and the author does not

shy away from making recommendations for change. He examines marketing, business, and economic models to explain how assumptions of traditional economic theory on industrial growth and prosperity fall short in addressing the high social costs of promoting the overconsumption of cheap and readily disposable clothes. You will come away with a detailed, holistic understanding of the garment industry as well as clarity regarding the larger issue of finding balance when it comes to the ethics of consumption.

TD687/An480