

Jaunieguvumu apskats: Tehnoloģiju & dabaszinātņu izdevumi svešvalodās

Nr. 3 / 2022
Septembris



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Redakcijas adrese:

Tehnoloģiju un dabaszinātņu lasītava

Nozaru literatūras centrs

Latvijas Nacionālā bibliotēka

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Informāciju sagatavoja: LNB nozaru galvenie bibliogrāfi

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Baltijas Austrumāzijas pētniecības centra bibliotēkas lasītava (AsiaRes, M stāvs):
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Tehnoloģiju un dabaszinātņu lasītava (3. stāvs):
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ISSN 2592-9097

Iznāk kopš 2022. gada februāra

Priekšvārds

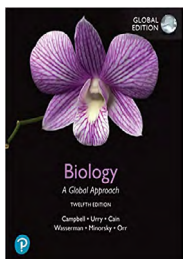
Līdz ar jauno mācību gadu klāt arī izdevuma *Jauniegvumu apskats: Tehnoloģiju un dabaszinātņu izdevumi svešvalodās* septembra numurs. Izdevumā iekļauta informācija par Latvijas Nacionālās bibliotēkas (LNB) krājumā pieejamo jaunāko nozaru literatūru svešvalodās dabaszinātnēs, medicīnā, sportā, inženierzinātnēs, tehnoloģijās, lauksaimniecībā, pārtikas zinātnēs, skaistuma industrijā un šo nozaru apakšnozarēs. Septembra numurā vairākas grāmatas veltītas būvniecībai.

Lai apskatā ietvertās nozares ērti pārlūkotu, aktīvās satura rādītāja saites ļaus ātri nokļūt interesējošās nodaļas sākumlapā un skatīt grāmatas vāka attēlu, bibliogrāfisko aprakstu, izdevēja sniegto anotāciju oriģinālvalodā, kā arī šifru. Klikšķinot uz šifra saites, tā aizvedīs pie izdevuma ieraksta vienotajā informācijas meklētājā Primo. Apskatā iekļautas arī e-grāmatas, kas pieejamas LNB tiešsaistes abonētājās datubāzēs.*

Lai sekotu līdzī informācijai par jaunāko nozaru literatūru svešvalodās, kas pieejama LNB Tehnoloģiju un dabaszinātņu lasītavas krājumā, aicinām izdevumu abonēt. Izdevuma abonēšanas veidlapa pieejama [šeit](#).

Gan apskatā iekļautās, gan citas LNB krājumā esošās grāmatas būs vērtīgs informācijas avots ikvienam, kam radusies padziļināta interese par konkrētu tēmu. Lai veiksmīgs mācību un pētniecības process!

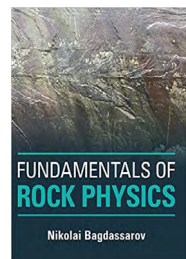
* Pieeja e-grāmatām ar LNB piekļuves datiem ir iespējama attiecīgās tiešsaistes datubāzes abonēšanas periodā.



Campbell, N.A., Wasserman, S.A., Urry, L.A., Minorsky, P.V., Cain, M.L., & Orr, R.B. (2021). *Biology: A Global Approach* (12th global ed.). Pearson Education Limited. ISBN 9781292341637

Biology: A Global Approach delivers a trusted, accurate, current, and pedagogically innovative experience that guides students to a true understanding of biology. The author team advances Neil Campbell's vision of meeting and equipping students at their individual skill levels by developing tools, visuals, resources, and activities that encourage participation and engage students in their learning. Known for strategically integrating text and artwork, this trusted course solution works hand in hand with Mastering Biology to reinforce key concepts, build scientific skills, and promote active learning. The 12th edition meets demonstrated student needs with new student-centered features, expanded interactivity in the eText, and fully revised assessment program.

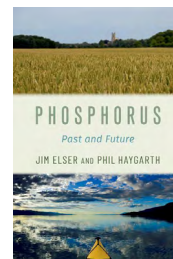
TD57/Re151



Bagdassarov, N. (2022). *Fundamentals of Rock Physics*. Cambridge University Press. ISBN 9781108422109

Rock physics encompasses practically all aspects of solid and fluid state physics. This book provides a unified presentation of the underlying physical principles of rock physics, covering elements of mineral physics, petrology and rock mechanics. After a short introduction on rocks and minerals, the subsequent chapters cover rock density, porosity, stress and strain relationships, permeability, poroelasticity, acoustics, conductivity, polarizability, magnetism, thermal properties and natural radioactivity. Each chapter includes problem sets and focus boxes with in-depth explanations of the physical and mathematical aspects of underlying processes. The book is also supplemented by online MATLAB exercises to help students apply their knowledge to numerically solve rock physics problems. Covering laboratory and field-based measurement methods, as well as theoretical models, this textbook is ideal for upper-level undergraduate and graduate courses in rock physics. It will also make a useful reference for researchers and professional scientists working in geoscience and petroleum engineering.

TD551/Ba147



Elser, J.J., & Haygarth, P.M. (2021). *Phosphorus: Past and Future*. Oxford University Press. ISBN 9780199916917

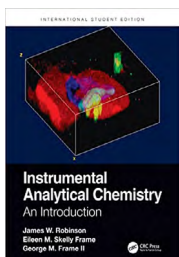
Phosphorus is essential to the production of our food, and it also triggers algal blooms in lakes, rivers, and oceans when it slips through our hands. An understanding of this essential resource and how we have used and misused it over the years is crucial to the sustainability of our planet and our well-being. In this book, world authorities on phosphorus sustainability Jim Elser and Phil Haygarth explain this element's involvement in biology, human health and nutrition, food production, ecosystem function, and environmental sustainability.

Phosphorus begins with its discovery over 350 years ago, moving to its basic chemistry and the essential role it plays in all living things on Earth. Chapters go on to explain the rise in the usage of phosphorus in agriculture and how the increase in the mining of rock phosphate in the mid-20th century was essential for the Green Revolution. Phosphorus emissions from human wastes and detergents triggered widespread algal blooms in the 1960s and 1970s. While such emissions are under better control with wastewater treatment, diffuse emissions from farming continue to cause water quality degradation. The authors explain how these may worsen with climate change.

Elser and Haygarth offer engaging explanations of our historical use and abuse of

phosphorus, including the rise of the phosphorus sustainability movement and new efforts to sustain food benefits from limited rock reserves following the phosphate rock price shock in 2007-2008. The book explains why we need to wrestle with the wicked problems this element will cause, illuminate, or eliminate in years to come.

TD546/EI810



Robinson, J.W., Frame, E.M.S., & Frame, G.M., II (2021). *Instrumental Analytical Chemistry: An Introduction*. CRC Press. ISBN 9781032205823

Analytical chemistry today is almost entirely instrumental analytical chemistry and it is performed by many scientists and engineers who are not chemists. Analytical instrumentation is crucial to research in molecular biology, medicine, geology, food science, materials science, and many other fields. With the growing sophistication of laboratory equipment, there is a danger that analytical instruments can be regarded as “black boxes” by those using them. The well-known phrase “garbage in, garbage out” holds true for analytical instrumentation as well as computers. This book serves to provide users of analytical instrumentation with an understanding of their instruments.

This book is written to teach undergraduate students and those working in chemical fields outside analytical chemistry how contemporary analytical instrumentation works, as well as its uses and limitations. Mathematics is kept to a minimum. No background in calculus, physics, or physical chemistry is required. The major fields of modern instrumentation are covered, including applications of each type of instrumental technique.

Each chapter includes:

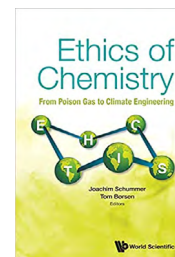
- A discussion of the fundamental principles underlying each technique;
- Detailed descriptions of the instrumen-

tation;

- Numerous applications;
- An extensive and up to date bibliography;
- End of chapter problems;
- Suggested experiments appropriate to the technique where relevant.

This text uniquely combines instrumental analysis with organic spectral interpretation (IR, NMR, and MS). It provides detailed coverage of sampling, sample handling, sample storage, and sample preparation. In addition, the authors have included many instrument manufacturers’ websites, which contain extensive resources.

TD543/Ro053



Schummer, J., & Børsen, T. (Eds.). (2022). *Ethics of Chemistry: From Poison Gas to Climate Engineering*. World Scientific Publishing. ISBN 9789811249488

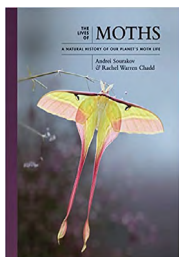
Although chemistry has been the target of numerous public moral debates for over a century, there is still no academic field of ethics of chemistry to develop an ethically balanced view of the discipline. And while ethics courses are increasingly demanded for science and engineering students in many countries, chemistry is still lagging behind because of a lack of appropriate teaching material. This volume fills both gaps by establishing the scope of ethics of chemistry and providing a case-based approach to teaching, thereby also narrating a cultural history of chemistry.

From poison gas in WWI to climate engineering of the future, this volume covers the most important historical cases of chemistry. It draws lesson from major disasters of the past, such as in Bhopal and Love Canal, or from thalidomide, Agent Orange, and DDT. It further introduces to ethical arguments pro and con by discussing issues about bisphenol-A, polyvinyl chloride, and rare earth elements; as well as of contested chemical projects such as human enhancement, the creation of artificial life, and patents on human DNA. Moreover, it illustrates chemical engagements in preventing hazards, from the prediction of ozone depletion, to Green Chemistry, and research in recycling, industrial substance substitution, and clean-up. Students

also learn about codes of conduct and chemical regulations.

An international team of experts narrate the historical cases and analyse their ethical dimensions. All cases are suitable for undergraduate teaching, either in classes of ethics, history of chemistry, or in chemistry classes proper.

TD54/Et470



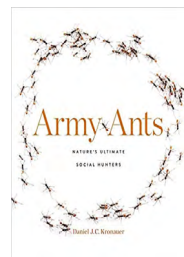
Sourakov, A., & Chadd, R.W. (2022). *The Lives of Moths : A Natural History of Our Planet's Most Mysterious Insect*. Princeton University Press. ISBN 9780691228563

Moths are among the most underappreciated insects on the planet, yet they make up the majority of some 180,000 known species of Lepidoptera. Filled with striking images, *The Lives of Moths* looks at the remarkable world of these amazing and beautiful creatures.

While butterflies may get more press than moths, Andrei Sourakov and Rachel Warren Chadd reveal that the lopsided attention is unjust. Moths evolved long before butterflies, and their importance cannot be overestimated. From the tiniest leaf miners to exotic hawk moths that are two hundred to three hundred times larger, these creatures are often crucial pollinators of flowers, including many that bloom at night or in twilight. The authors show that moths and their larvae are the main food source for thousands of animal species, and interact with other insect, plant, and vertebrate communities in ecosystems around the world, from tropical forests and alpine meadows to deserts and wetlands. The authors also explore such topics as evolution, life cycles, methods of communication, and links to humans.

A feast of remarkable facts and details, *The Lives of Moths* will appeal to insect lovers everywhere.

TD595.78/So850



Kronauer, D.J.C. (2020). *Army Ants : Nature's Ultimate Social Hunters*. Harvard University Press. ISBN 9780674241558

A swarm raid is one of nature's great spectacles. In tropical rainforests around the world, army ants march in groups by the thousands to overwhelm large solitary invertebrates, along with nests of termites, wasps, and other ants. They kill and dismember their prey and carry it back to their nest, where their hungry brood devours it. They are the ultimate social hunters, demonstrating the most fascinating collective behavior.

In *Army Ants* we see how these insects play a crucial role in promoting and sustaining the biodiversity of tropical ecosystems. The ants help keep prey communities in check while also providing nutrition for other animals. Many species depend on army ants for survival, including a multitude of social parasites, swarm-following birds, and flies. And while their hunting behavior, and the rules that govern it, are clearly impressive, army ants display collective behavior in other ways that are no less dazzling. They build living nests, called bivouacs, using their bodies to protect the queen and larvae. The ants can even construct bridges over open space or obstacles by linking to one another using their feet. These incredible feats happen without central coordination. They are the result of local interactions – self-organization that benefits the society at large.

Through observations, stories, and stunning images, Daniel Kronauer brings these fascinating creatures to life. Army ants may be small, but their collective intelligence and impact on their environment are anything but.

TD595.7/Kr782

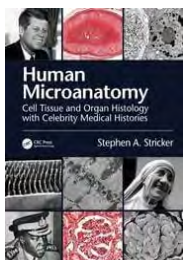


Fartmann, T., Jedicke, E., Stuhldreher, G., & Streitberger, M. (2021). *Insektensterben in Mitteleuropa : Ursachen und Gegenmaßnahmen*. Verlag Eugen Ulmer. ISBN 9783818609443

Vor wenigen Jahren zeigte die "Krefelder Studie" einen dramatischen Rückgang der Insekten und ihrer Artenvielfalt. Seitdem wird über die Folgen des Insektensterbens und seine Gründe spekuliert: Intensiver Landverbrauch, Pestizideinsatz, Klimawandel sind schnell genannt, aber wie wirken sie genau und was ist konkret zu tun? Erstmals bündelt dieses Buch alle Fakten zu den Ursachen des Insektensterbens und bezieht sie systematisch auf unsere Landschaftsräume. An Beispielen gefährdeter Arten beschreiben die Autoren die komplizierten Wirkungsgefüge und schlagen konkrete, umsetzbare Maßnahmen der Naturschutzpraxis vor. So können wir aktiv werden.

Mitverfasser: F. Helbing, T. Münsch, D. Poniatowski, A. Seitz, E.F. Kiel, M. Kaiser.

TD595.7/Fa712



Stricker, S.A. (2022). *Human Microanatomy : Cell Tissue and Organ Histology with Celebrity Medical Histories*. CRC Press. ISBN 9780367364571

Human Microanatomy is a comprehensive histology text that analyzes human structure and function from the subcellular to organ level of organization. In addition to emphasizing medically relevant information, each chapter considers developmental and evolutionary aspects of microanatomy while also using celebrity medical histories to help provide context for accompanying descriptions of normal histology. As key elements of those descriptions, various microanatomical features are illustrated in over 1400 images ranging from concept-clarifying line drawings to high-resolution light and electron micrographs. Text illustrations are further organized into cohesive collections with detailed captions that routinely link molecular and cellular aspects to anatomical and physiological properties. Each chapter also includes a preview, pictorial summary, and self-study quiz to help elucidate important concepts. By incorporating features like medical histories, biological correlates, and annotated image plates, *Human Microanatomy* aims to provide an appealing and informative treatment of histology for readers who are interested in the structural bases of cell, tissue, and organ functioning.

TD611/St763



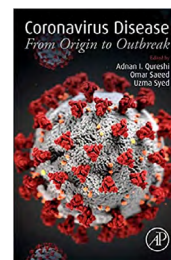
Baloh, R.W. (2021). *Medically Unexplained Symptoms : A Brain-Centered Approach*. Springer. ISBN 9783030591809

Despite the rapid advances in medical science, the majority of people who visit a doctor have medically unexplained symptoms (MUS), symptoms that remain a mystery despite extensive diagnostic studies. The most common MUS are back pain, abdominal pain, headache, fatigue, and dizziness. This book addresses the obstacles of managing people with MUS in our modern day society from both a historical and contemporary perspective.

Most MUS are psychosomatic in origin, caused by a complex interaction between nature and nurture, between biological and psychosocial factors. Psychosomatic symptoms are as real and as severe as the symptoms associated with structural damage to the brain. Unique and concise, the book explores the biological and psychosocial mechanisms, the clinical features, and current and future treatments of common MUS.

Exploring the unsolved in an accessible manner, *Medically Unexplained Symptoms* invokes the methodologies of medical science, history, and sociology to investigate how brain flaws can lead to debilitating symptoms.

TD616.8/Ba388



Qureshi, A.I., Saeed, O., & Syed, U. (Eds.). (2022). *Coronavirus Disease : From Origin to Outbreak*. Academic Press. ISBN 9780128244098

Coronavirus Disease: From Origin to Outbreak provides a comprehensive review of coronaviruses, particularly severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2), its transmission, and disease pathology. The book covers the viral structure and genetics of coronaviruses, the pathogenesis and unique characteristics of coronavirus infection, and the evolving nature of our understanding of coronaviruses and associated diseases. The book also looks at the history of SARS-CoV and Middle East respiratory syndrome coronavirus (MERS-CoV) infections, their global spread, and comparisons with the current SARS-CoV-2 pandemic. The book examines the effectiveness of various preventive measures and new therapeutic agents that are either currently available or expected in the future for the treatment of coronavirus diseases. Finally, it details the psychological and societal impact of the disease in various regions and the financial impact on the healthcare systems.

Features:

- Provides an overview of the nature of infection, methods of spread, and history to better understand the principles of prevention and treatment of coronaviruses and also zoonotic infections in general;
- Compares the impact of the current SARS-CoV-2 pandemic with other viral pandem-

ics like SARS-CoV and MERS-CoV, and pandemic influenza viruses in regards of transmissibility, hospitalization, and mortality rates;

- Examines the global health perspective, population reaction, and medical response to the SARS-CoV-2 pandemic.

TD616.9/C6682



Bally, K., Büche, D., Fusi-Schmidhauser, T., Pautex, S., & Vayne-Bossert, P. (Hrsg.). (2021). *Handbuch Palliativmedizin (4. Auflage)*. Hogrefe. ISBN 9783456859699

Die Palliativmedizin versteht sich als integrative Disziplin, die lange vor dem Lebensende und über den Tod hinaus zum Einsatz kommt. Sie gehört in den Aufgabenbereich von Grundversorgenden und Spezialisten, von Pflegenden sowie Ärzten und ist geprägt vom Bestreben, die Lebensqualität der Patienten vorausschauend mitzugestalten, ihre Autonomie zu stärken und die Würde der Menschen in ihrer Vulnerabilität zu schützen.

Die 4. Auflage des seit Jahren erfolgreichen Werkes wurde von einem neuen Herausgaberteam vollständig überarbeitet und erweitert. Folgende Aspekte werden praxisnah dargestellt:

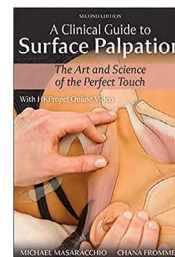
- Ausführliche Erläuterung von Diagnostik und Therapie aller in der Palliativmedizin relevanten klinischen Symptome;
- Hilfestellung bei komplexen Entscheidungsfindungen im Rahmen einer schweren Krankheit;
- Darstellung der Bedeutung eines Palliativ-Netzwerks aus unterschiedlichen Perspektiven;
- Konkrete Empfehlungen zur Kommunikation und Unterstützung von Betroffenen und Angehörigen;
- Ausführlicher Anhang mit hilfreichen Tipps und Service-Adressen.

Das Handbuch wurde ganz im Sinne der

Interprofessionalität von unterschiedlichen Experten aus verschiedensten Berufsfeldern verfasst. Es soll dazu beitragen, die neuesten Erkenntnisse der Palliativmedizin in die tägliche Praxis umzusetzen sowie Fachpersonen in ihrem klinischen Alltag bei der Betreuung von Patienten und deren Angehörigen zu unterstützen.

Mitverfasser: J. Anneser, E. Bergsträsser, M.B. Bingisser, D. Blum, G.D. Borasio, B. Bucher, C. Cina, H. Emery, S. Eychmüller, M. Forster, J. Gärtner, C. Gamondi, A. Gerber, H. Golla, H. Gudat, J.P. Janssens, K. Jaroslowski, S. Kammler, J. Küchenhoff, R. Kunz, W. Langewitz, B. Lasne-Hachin, F. Laurent, L. Manzambi, C. Mazzocato, M. Mazzoli, A. Monsch, M. Monteverde, H. Neuenschwander, S. Peng-Keller, R. Pinter, L. Probst, F. Riese, C. Salis Gross, P. Sobanski, C. Urech, K. Vantieghem, R. Voltz, A. Weber, C. Weber, J. Wieland.

TD616/Ha374



Masaracchio, M., & Frommer, C. (2022). *A Clinical Guide to Surface Palpation : The Art and Science of the Perfect Touch (2nd ed.)*. Human Kinetics. ISBN 9781492596684

A Clinical Guide to Surface Palpation, Second Edition, is a clinically oriented and user-friendly guide supported by photos and medical illustrations that demonstrate proper palpation techniques of the body. This text assists students and health care professionals in becoming proficient in surface palpation techniques so they can successfully assess and treat their patients.

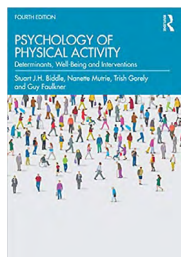
A Clinical Guide to Surface Palpation, Second Edition, divides the human body into regions instead of joints, covering the bony tissue, soft tissue and neurovascular structures. This approach enhances comprehension of anatomical relationships and improves clinical examination skills. The second edition includes a new chapter on the abdomen and pelvis that provides unique insight into palpating these visceral structures. Each palpation technique is presented in the form of simple step-by-step instructions. Photos featuring anatomical overlays accompany the discussion of each palpation technique, allowing a unique view of the underlying anatomical detail. Online video clips have also been added to showcase real demonstrations of common clinical palpation techniques.

Clinical Pearls and notes throughout the text offer clinically relevant guidance alongside information on body structure identification and assessment. Each chapter concludes with a

case study presenting a common clinical condition. Case study review questions prompt readers to apply their knowledge, and chapter review questions prompt readers to apply their new understanding and proficiency.

Ancillaries for adopting instructors are available online.

TD616-07/Ma742



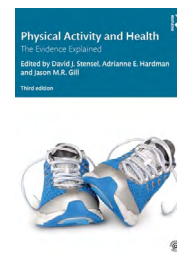
Biddle, S.J.H., Mutrie, N., Gorely, T., & Faulkner, G. (2021). *Psychology of Physical Activity: Determinants, Well-Being and Interventions* (4th ed.). Routledge. ISBN 9780367650179

The positive benefits of physical activity for physical and mental health are now widely acknowledged, yet levels of physical inactivity continue to be a major concern throughout the world. Understanding the psychology of physical activity has therefore become an important issue for scientists, health professionals and policy-makers alike as they address the challenge of behaviour change. *Psychology of Physical Activity* provides comprehensive and in-depth coverage of the fundamentals of exercise psychology, from mental health to theories of motivation and adherence, and to the design of successful interventions for increasing participation.

Now publishing in a fully revised, updated and expanded fourth edition, *Psychology of Physical Activity* is still the only textbook to offer a full survey of the evidence base for theory and practice in exercise psychology, and the only textbook that explains how to interpret the quality of the research evidence. As the field continues to grow rapidly, the new edition expands the behavioural science content of numerous important topics, including physical activity and cognitive functioning, automatic and affective frameworks for understanding physical activity involvement, new interventions designed to increase physical activity (including use of new technologies), and sedentary behaviour.

Psychology of Physical Activity is the most authoritative, engaging and up-to-date book on exercise psychology currently available. It is essential reading for all students working in behavioural medicine, as well as the exercise and health sciences.

TD796.035/BI162



Stensel, D.J., Hardman, A.E., & Gill, J.M.R. (Eds.). (2022). *Physical Activity and Health: The Evidence Explained* (3rd ed.). Routledge. ISBN 9780415632966

Physical Activity and Health explains clearly, systematically and in detail the relationship between physical activity, health and disease, and examines the role of exercise in the prevention and management of a wide range of important conditions.

Now in a fully updated and expanded third edition, this is the most complete and engaging textbook on the subject. It offers a balanced examination of the latest evidence linking levels of physical activity with the risk of mortality, cardiovascular diseases, diabetes, obesity, cancer, osteoporosis and dementia. Designed to help the reader evaluate the quality of the evidence, the book includes an invaluable discussion of common study designs and the inherent difficulties of measuring physical activity. It examines the evidence in relation to child and adolescent health, older adults, hazards of exercise, sedentary behaviour, public health policy and, in a new chapter, mental health, and an epilogue considers the emerging evidence regarding the significance of physical activity and COVID-19.

Containing chapter summaries, study tasks, guides to supplementary reading, a glossary of key terms and an abundance of figures and tables, *Physical Activity and Health* is an essential course text, and important reading for undergraduate, masters and postgraduate research

students of sport and exercise science, public health, physical therapy, medicine and nursing.

This third edition is supported by an updated companion website featuring self-test questions, PowerPoint slides, learning activities and website links.

TD613.71/Ph980



Thimbleby, H. (2021). *Fix It : See and Solve the Problems of Digital Healthcare*. Oxford University Press. ISBN 9780198861270

New technologies like AI, medical apps and implants seem very exciting but they too often have bugs and are susceptible to cyberattacks. Even well-established technologies like infusion pumps, pacemakers and radiotherapy aren't immune.

Until digital healthcare improves, digital risk means that patients may be harmed unnecessarily, and healthcare staff will continue to be blamed for problems when it's not their fault.

This book tells stories of widespread problems with digital healthcare. The stories inspire and challenge anyone who wants to make hospitals and healthcare better. The stories and their resolutions will empower patients, clinical staff and digital developers to help transform digital healthcare to make it safer and more effective.

This book is not just about the bugs and cybersecurity threats that affect digital healthcare. More importantly, it's about the solutions that can make digital healthcare much safer.

TD616-7/Th520



Reichrath, J. (2021). *Sonne - Die Dosis macht's! : Hautkrebs Vermeiden, Vitamin-D-Mangel Vorbeugen*. Springer. ISBN 9783662626115

Die Sonne ist lebenswichtig, u.a. für die Bildung von Vitamin D, auf der anderen Seite ist sie als Ursache von Hautkrebs lebensbedrohlich. In diesem Ratgeber erfährt der Leser alles Wichtige rund um die Sonne und erhält Antworten auf Fragen wie zum Beispiel:

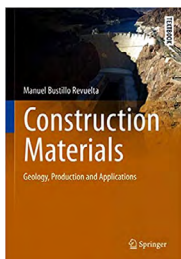
- Wie wirken Sonnenstrahlen auf den Organismus?
- Hat die Sonnenstrahlung Einfluss auf unser Immunsystem und das Mikrobiom?
- Kann die Sonne vor Allergien, COVID-19 und anderen Erkrankungen schützen?
- Wieso macht Vitamin-D-Mangel krank und wann sind Vitamin-D-Präparate sinnvoll?
- Erhöht ein Sonnenbrand das Hautkrebsrisiko? Sind Kinder besonders gefährdet?
- Wieso macht Sonnenbaden glücklich?
- Was ist der UV-Index?

Plus: Mittels eines Stufenschemas erhalten Sie individuelle Empfehlungen zum gesunden Umgang mit der Sonne und Hinweise für Ihre optimale Vitamin-D-Versorgung.

Darüber hinaus erfährt der Leser Erstaunliches, z.B. welchen Einfluss die Sonne auf die Evolution hatte, ob Sonnencremes in unseren Hormonhaushalt eingreifen oder sie im Zusammenhang mit dem Korallensterben stehen.

TD616.5/Re287

Būvniecība



Bustillo Revuelta, M. (2021). *Construction Materials : Geology, Production and Applications*. Springer Nature Switzerland AG. ISBN 9783030652067

Construction Materials is a comprehensive textbook covering all raw materials and products related to the construction processes, and not only those applied to building structures.

The book is organized to help readers achieve competent knowledge about construction materials. At the beginning of the book the author offers the general concepts, definitions, and standards adopted worldwide for these materials to be used along the book. The central part of the text covers the primary construction materials required to manufacture concrete and mortars, the most relevant construction materials in the last century. Expressly, concrete and mortar are treated in detail in dedicated chapters per component. In addition, the author addresses other relevant materials in construction such as ceramic materials, metals and alloys, bituminous materials, and geosynthetic materials. Finally, since the construction industry is one of the largest single waste producing sector in the world, the last chapter outlines the main types and characteristics of construction and demolition waste (e.g. recycled aggregates).

The book appeals to students but also professionals interested in construction materials and construction and civil engineering.

TD691/Bu740



Schoof, J. (Ed.). (2021). *Engineering Nature : Timber Structures*. Edition Detail. ISBN 9783955535520

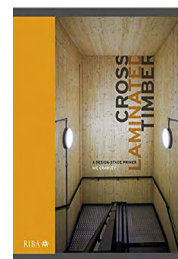
Timber construction has been radically modernised over the last 20 years. With the easing of fire protection regulations and the development of efficient composite construction in wood and steel or concrete, timber buildings have been erected way beyond the previously perceived high-rise limit. An end to this growth in height is hardly conceivable.

Timber construction is also gaining ground in residential and office buildings, sports halls, industrial buildings and bridges. It is considered the epitome of sustainable construction and, because of new, rational prefabrication processes, is also competitive in terms of building costs.

Engineering Nature – Timber Structures illustrates the current stage of development for designing structures in wood based on outstanding buildings, ranging from swimming pool halls to viewing towers.

We also take a closer look at the design of timber structures and the technical innovations that make contemporary timber construction possible.

TD694/En480



Crawley, N. (2021). *Cross Laminated Timber : A Design Stage Primer*. RIBA Publishing. ISBN 9781859469224

Cross-laminated timber (CLT) has long been heralded as a wonder material, with a light environmental footprint, high strength, quick installation times and reduced waste – so why isn't everyone using it?

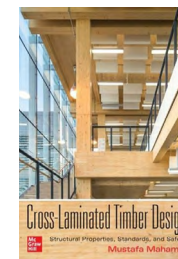
Delving into the key considerations including fire safety, cost and value, visual aspects, planning, feasibility and engineering, this book is an essential companion to designing and delivering exemplar CLT buildings.

Illustrated with over 130 colour images and in-depth case studies from around the world, it will help the entire project team – whether design team, constructor or clients – to better understand and build using a truly modern method of construction.

The book:

- Outlines key challenges as well as benefits of CLT, including quality, cost and environmental benefits, risk reduction and health and safety benefits;
- Presents lessons learnt to aid the development process, from the earliest stages of design to production and assembly;
- Multidisciplinary in approach with contributions from a range of practitioners;
- Features 28 exemplar CLT projects from leading practices, such as: Allford Hall Monaghan Morris Architects, Mole Architects, Waugh Thistleton Architects and WilkinsonEyre.

TD694/Cr236



Mahamid, M. (2020). *Cross-Laminated Timber Design : Structural Properties, Standards, and Safety*. McGraw-Hill Education. ISBN 9781260117998

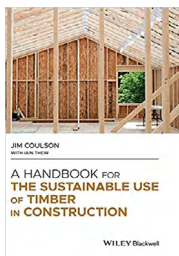
This comprehensive guide explains the design standards, safety protocols, and codes and regulations engineers need to know to use cross-laminated timber as a structural building material. Featuring contributions from experts in the field, *Cross-Laminated Timber Design: Structural Properties, Standards, and Safety* introduces the material properties of CLT and goes on to cover the recommended lateral and vertical design techniques. You will get clear explanations of all relevant NDS, ASCE 7, and IBC provisions along with real-world examples and case studies. Sustainability and environmental issues are discussed in full detail.

Coverage includes:

- An introduction to cross-laminated timber;
- Product standards for cross-laminated timber;
- Structural design;
- Structural connections;
- Building envelope design with cross-laminated timber;
- Acoustics for CLT projects;
- Fire for CLT projects;
- Environmental aspects of CLT as a construction material;
- Sustainability of cross-laminated timber.

TD694/Ma231

Būvniecība



Coulson, J. (2021).
A Handbook for the Sustainable Use of Timber in Construction. Wiley-Blackwell.
ISBN 9781119701095

A Handbook for the Sustainable Use of Timber in Construction provides a comprehensive and up to date resource that offers a detailed overview on the sustainable use of wood in the construction industry. The authors include information on the most common issues that occur when using wood as a building material, ideas for using wood effectively in a variety of building types, and outline the most recent changes to standards and regulations.

Written for use by an international audience, the book includes topics not covered in Coulson's previous works, such as the biological degradation of timber and covers the key technical areas in wood science. The volume also provides an overview of the international regulatory framework that ensures sustainable sourcing of construction timber.

This book:

- Guides the reader to an understanding of the use of wood as a sustainable, renewable construction material;
- Reviews the strengths and weaknesses of wood in construction;
- Highly practical, including examination of common issues and potential challenges encountered when using wood as a building material;
- Discusses the effective use of wood across a range of building types;

- Provides an overview of the international regulatory framework to ensure sustainable sourcing.

Written for professionals in the timber trade, architects, structural engineers, and interior designers, the *Handbook for the Sustainable Use of Timber in Construction* covers the recent innovations in the use of wood in today's construction projects as well as the most recent standards and regulations.

TD694/Co857



Uchino, K. (2021).
MicroMechatronics (2nd ed.). CRC Press.
ISBN 9781032240695

After Uchino's introduction of a new terminology, 'Micromechatronics' in 1979 for describing the application area of 'piezoelectric actuators', the rapid advances in semiconductor chip technology have led to a new terminology MEMS (micro-electro-mechanical-system) or even NEMS (nano-electro-mechanicalsystem) to describe mainly thin film sensor/actuator devices, a narrower area of micromechatronics coverage. New technologies, product developments and commercialization are providing the necessity of this major revision. In particular, the progresses in high power transducers, loss mechanisms in smart materials, energy harvesting and computer simulations are significant.

- New technologies, product developments and commercialization are providing the updating requirement for the book contents, in parallel to the deletion of old contents;

- Various educational/instructional example problems have been accumulated, which were integrated in the new edition in order to facilitate the self-learning for the students, and the quiz/problem creation for the instructors;

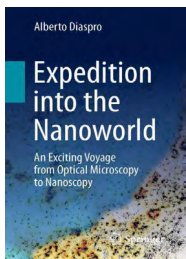
- Heavily revised topics from the previous edition include: high power transducers, loss mechanisms in smart materials, energy harvesting and computer simulations;

- New technologies, product develop-

ments and commercialization helped shape the updated contents of this book where all chapters have been updated and revised;

- This textbook is intended for graduate students and industrial engineers studying or working in the fields of electronic materials, control system engineering, optical communications, precision machinery, and robotics. The text is designed primarily for a graduate course with the equivalent of thirty 75-minute lectures; however, it is also suitable for self-study by individuals wishing to extend their knowledge in the field.

TD681.5/Uc280



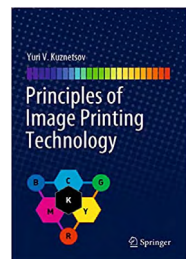
Diaspro, A. (2022).
Expedition into the Nanoworld: An Exciting Voyage from Optical Microscopy to Nanoscopy. Springer.
ISBN 9783030944711

The story of microscopy over the years is one of wonder, revelation, and even love. What better words could there be to describe the amazing things that we have been able to see, learn and accomplish thanks to the progress made in this field? A love story between a piece of glass and the rainbow with an original soundtrack mad of poetry and music.

From Galilei's initial foray into basic optical microscopy, including the Camillo Golgi and Giuliano Toraldo di Francia lessons, to such later developments as time-resolved microscopy, multi-photon microscopy and three-dimensional microscopy to innovations such as optical nanoscopy, bioimaging and super resolution imaging, the book seeks to take the reader, be they scientist or layperson, on a journey through the evolution of the microscope and its many uses, including in the field of medicine.

The author uses visible light as a through-line to unite the various chapters, as well as using fluorescence as a touchpoint from which to map the changes in the science, a significant choice, as it, along with label-free approaches and the addition of artificial intelligence, form the natural environment for development of the modern multi-messenger microscope towards bioimaging at the nanoscale.

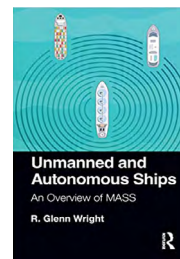
TD681.7/Di070



Kuznetsov, Y.V. (2021).
Principles of Image Printing Technology. Springer.
ISBN 9783030609573

Principles of Image Printing Technology is a unique review of technology use in the printing industry since the time of the medieval engravers and busy newsroom typesetters. It provides a historical review of the advancement of technology and describes in-depth both technical fundamentals and industrial procedures. Intended primarily for students in graphic communications programs, this book includes all the necessary background for understanding printing technology. In addition, by providing findings from basic research studies and industrial processes that have been omitted elsewhere in published volumes, it offers a useful guide to researchers and professionals in the printing industry.

TD655/Ku986

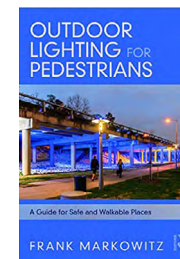


Wright, R.G. (2020).
Unmanned and Autonomous Ships: An Overview of MASS. Routledge.
ISBN 9781138324886

Unmanned ships and autonomous ships are quickly becoming a reality, making shipping safer and more efficient. However, traditional tasks and functions are becoming blurred as new technology changes how the unique needs of different sectors are met. In addition to large vessels dedicated to the transport of goods and cargoes across the oceans, major efforts are underway towards the automation of small coastal shipping that includes ferries, tugboats, supply and service vessels, and barges. Automated vehicles are also replacing conventional ships for inspecting and servicing pipelines, drilling platforms, wind farms and other offshore installations.

Automated shipping is explored in terms of economics, technology, safety and the environment under the broad themes of ship design and engineering, command and control, navigation, communications, security, regulatory issues, and training. This includes initiatives for autonomous shipping as well as civilian implications of military ship automation programs. This book is primarily for maritime professionals, regulatory authorities, insurers, and environmental groups. It also suits undergraduate students involved in deck officer training, and graduate students and academics involved in research in ship design, operations and management.

TD629.5/Wr450



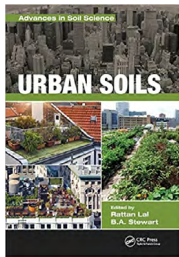
Markowitz, F. (2022).
Outdoor Lighting for Pedestrians: A Guide for Safe and Walkable Places. Routledge.
ISBN 9780367711955

Outdoor Lighting for Pedestrians shows how outdoor lighting is important for pedestrians' safety, personal security, and comfort, with major impacts on street, path, and park aesthetics and neighborhood sense of place. Providing clear, basic technical background (accessible to non-engineers), the book focuses especially on planning and policy concerns. It covers the fundamentals of lighting technology; benefits, costs, and possible adverse impacts of lighting enhancements; traditional and innovative approaches; planning and policy documents and practices; aesthetics and placemaking; and technology trends in lighting design.

This book is aimed primarily at practicing transportation planners and engineers, generalist urban planners, safety advocates and researchers, and university students. However, lighting designers and other professionals will also find it useful.

It considers how lighting can be coordinated with other potential improvements to enhance the pedestrian environment for better walkability.

TD628.9/Ma634



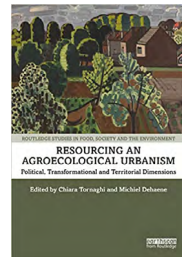
Lal, R., & Stewart, B.A. (Eds.). (2021). *Urban Soils*. CRC Press. ISBN 9781032096216

Globally, 30% of the world population lived in urban areas in 1950, 54% in 2016 and 66% projected by 2050. The most urbanized regions include North America, Latin America, and Europe. Urban encroachment depletes soil carbon and the aboveground biomass carbon pools, enhancing the flux of carbon from soil and vegetation into the atmosphere. Thus, urbanization has exacerbated ecological and environmental problems.

Urban soils are composed of geological material that has been drastically disturbed by anthropogenic activities and compromised their role in the production of food, aesthetics of residential areas, and pollutant dynamics. Properties of urban soils are normally not favorable to plant growth – the soils are contaminated by heavy metals and are compacted and sealed. Therefore, the quality of urban soils must be restored to make use of this valuable resource for delivery of essential ecosystem services (e.g., food, water and air quality, carbon sequestration, temperature moderation, biodiversity).

Urban Soils explains properties of urban soils; assesses the effects of urbanization on the cycling of carbon, nitrogen, and water and the impacts of management of urban soils, soil restoration, urban agriculture, and food security; evaluates ecosystem services provisioned by urban soils, and describes synthetic and artificial soils.

TD631.4/Ur140



Tornaghi, C., & Dehaene, M. (Eds.). (2021). *Resourcing an Agroecological Urbanism: Political, Transformational and Territorial Dimensions*. Routledge. ISBN 9781138359680

Foregrounding an innovative and radical perspective on food planning, this book makes the case for an agroecological urbanism in which food is a key component in the reinvention of new and just social arrangements and ecological practices.

Building on state-of-the-art and participatory research on farming, urbanism, food policy and advocacy in the field of food system transformation, this book changes the way food planning has been conceptualised to date and invites the reader to fully embrace the transformative potential of an agroecological perspective. Bringing in dialogue from both the rural and urban, the producer and consumer, this book challenges conventional approaches that see them as separate spheres, whose problems can only be solved by a reconnection. Instead, it argues for moving away from a 'food-in-the-city' approach towards an 'urbanism' perspective, in which the economic and spatial processes that currently drive urbanisation will be unpacked and dissected, and new strategies for changing those processes into more equal and just ones are put forward. Drawing on the nascent field of urban political agroecology, this text brings together:

- Theoretical re-conceptualisations of urbanism in relation to food planning and the emergence of new agrarian questions;

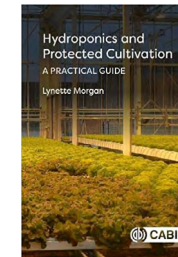
- Critical analysis of experimental methodologies and performing arts for public dialogue, reflexivity and food sovereignty research;

- Experiences of resourceful land management, including urban land use and land tenure change;

- Theoretical and practical exploration of post-capitalist economics that bring consumers and producers together to make the case for an agroecological urbanism.

Aimed at advanced students and academics in agroecology, sustainable food planning, urban geography, urban planning and critical food studies, this book will also be of interest to professionals and activists working with food systems in both the Global North and the Global South.

TD63:711.4/Re715



Morgan, L. (2021). *Hydroponics and Protected Cultivation: A Practical Guide*. CAB International. ISBN 9781789244830

A comprehensive, practical text which covers a diverse range of hydroponic and protected cropping techniques, systems, greenhouse types and environments. It also details the use of indoor plant factories, vertical systems, organic hydroponics and aquaponics.

Worldwide hydroponic cropping operations can vary from large, corporate producers running many hectares of greenhouse systems particularly for crops such as tomato, cucumber, capsicum and lettuce, to smaller-scale growers growing fresh produce for local markets.

Included in this book:

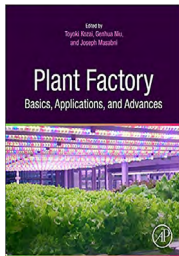
- Detailed technical information to help growers and students to design and run their own hydroponic operations;

- In-depth research to explain the factors that influence plant growth, produce quality, post-harvest life and hydroponic plant nutrition;

- New advances such as the use of organic nutrients and substrates, completely enclosed indoor plant factories and the growing number of small-scale, non-commercial applications.

Hydroponics and Protected Cultivation is fully illustrated with colour images and photographs to illustrate key topics and help identify problem areas. It is suitable for growers, researchers and students in horticulture.

TD631.5/Mo551



Kozai, T., Niu, G., & Masabni, J. (Eds.). (2022). *Plant Factory Basics, Applications and Advances*. Academic Press. ISBN 9780323851527

Plant Factory Basics, Applications, and Advances takes the reader from an overview of the need for and potential of plant factories with artificial lighting (PFALs) in enhancing food production and security to the latest advances and benefits of this agriculture system. Edited by leading experts Toyoki Kozai, Genhua Niu, and Joseph Masabni, this book provides a platform of PFAL technology and science, including ideas on its extensive business and social applications towards the next generation PFALs.

The book is presented in four parts: Introduction, Basics, Applications, and Advanced Research. Part 1 covers why PFALs are necessary for urban areas, how they can contribute to the United Nations' Sustainable Development Goals, and a definition of PFAL in relation to the term "indoor vertical farm." Part 2 presents SI units and radiometric, photometric, and photonmetric quantities, types, components, and performance of LED luminaires, hydroponics and aquaponics, and plant responses to the growing environment in PFALs. Part 3 describes the indexes and definition of various productivity aspects of PFAL, provides comparisons of the productivity of the past and the present operation of any given PFALs, and compares PFALs with one another from the productivity standpoint by applying the common indexes. Part 4 describes the advances

in lighting and their effects on plant growth, breeding of indoor and outdoor crops, production of fruiting vegetables and head vegetables, and concludes with a focus on a human-centered perspective of urban agriculture.

Providing real-world insights and experience, *Plant Factory Basics, Applications, and Advances* is the ideal resource for those seeking to take the next step in understanding and applying PFAL concepts.

Features:

- Provides the most in-depth assessment of PFAL available today;
- Compares PFAL to "indoor vertical farming" and provides important insights for selecting the optimal design;
- Presents insights and inspiration for the design and management of next generation PFALs.

TD631.5/PI200



Mulvihill, S. (2021). *The Vegetable Garden Pest Handbook: Identify and Solve Common Pest Problems on Edible Plants*. Cool Springs Press. ISBN 9780760370063

In *The Vegetable Garden Pest Handbook*, you'll find the simple, straightforward resources and tools you need to identify common pests of edible gardens and manage them without the use of synthetic chemical pesticides.

Climate change and newly introduced insect pests are changing the world of gardening. Pests that once produced a single generation per year are now producing two or even three, and accidentally imported pest insects have no natural predators to keep them in check. These leaf-munching critters can cause significant damage in short order, reducing your yields and costing you time and money, especially if your garden is out of balance or your plants are stressed and vulnerable.

Whether you're a new or seasoned gardener, author and garden pro Susan Mulvihill shows you how to handle pest issues by growing healthier plants, properly identifying the culprit, and nurturing the overall ecosystem of the garden. With easy-to-use charts, you'll learn how to identify common vegetable garden pests based on both the damage they cause and their physical appearance.

DIY pest-control projects, coupled with up-to-date information on the best natural products, physical pest-control tricks, and tips for managing pests with the use of traps and barriers, all

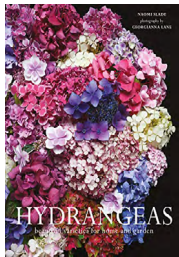
lead to a garden where beneficial insects and pollinators are preserved while pest populations are kept in check.

Learn how to:

- Get rid of squash bugs with minimal effort;
- Screen out root maggots;
- Keep cutworms at bay;
- Nurture the good bugs that help control tomato hornworms;
- Tackle an infestation of mites, thrips, or whiteflies;
- Send cucumber beetles packing;
- Limit cabbage worms with a simple, inexpensive trick;
- Learn about the best earth-friendly product controls for home vegetable gardeners.

Identifying and controlling common vegetable garden pests has never been a favorite task of gardeners, but with Susan's help, positive results are easier than you think!

TD632/Mu247



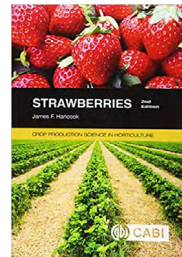
Slade, N. (2020). *Hydrangeas : Beautiful Varieties for Home and Garden*. Pavilion Books. ISBN 9781911641230

Celebrating this astonishing flower in all its exuberance, *Hydrangeas* captures the varying forms and colours that have brought about a welcome renaissance for this chameleon bloom.

Following on from the success of *Vintage Roses, Peonies, Dahlias and Tulips* this contemporary guide features over 50 of the most beautiful hydrangea varieties. From the elegant and airy blooms of Beauté Vendômoise, to bold and brilliant Harlequin, hydrangeas bring drama to your garden and your home.

Illustrated with specially commissioned images by leading floral photographer Georgianna Lane and with lively and evocative commentary from prolific garden writer Naomi Slade, *Hydrangeas* traces the flower's fascinating history and development, as well as providing practical tips on how to grow and enjoy hydrangeas at home. Whether you have room for a single tub or have extensive beds to work with, the myriad colours of hydrangeas will enliven any space and never disappoint.

TD635.92/S1040



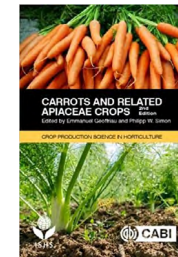
Hancock, J.F. (2020). *Strawberries (2nd ed.)*. CAB International. ISBN 9781789242270

This new and updated edition of a popular text provides a broad, balanced review of the scientific knowledge of strawberries and their cultivation. The worldwide strawberry industry has grown substantially since the original book was published, and methods of culture have undergone extensive modifications. This volume incorporates important changes to the taxonomy of strawberries and new understanding of how its ancestors evolved. It includes coverage of new disease and pest control methods and recent developments in genomic information. These advancements have greatly improved our understanding of how flowering and fruiting is regulated, and will revolutionize the breeding of strawberries.

Drawing on extensive research and practical experience, the author presents an essential text that:

- Includes new content on genomic data, trait genetics, and marker-assisted strategies for varietal improvement;
- Provides a thorough review of the evolution of the strawberry and the history of strawberry cultivation;
- Contains an up-to-date comparison of the cultural systems employed across the world and the physiology behind these practices.

Presented in full-colour throughout, this



Geoffriau, E., & Simon, P.W. (Eds.). (2021). *Carrots and Related Apiaceae Crops (2nd ed.)*. CAB International. ISBN 9781789240955

is a core guide for academic and professional researchers, breeders and growers, advisors, extension personnel and students of horticulture.

TD634.1/Ha368

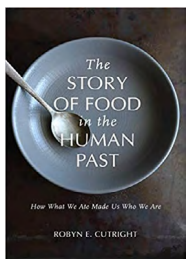
Fully updated with new content and full-colour figures, the second edition of this successful book reflects developments and growth in our knowledge of carrots and related crops worldwide. It covers the scientific basis of their biology and production, with updated technical crop management content. This new edition is divided into three sections: the first considers the crops' importance and main features; the second focuses on carrots, from their genetic diversity and breeding to cropping systems, pest and disease management, quality, postharvest and valorization; and the third presents the main aspects of 13 other cultivated *Apiaceae*.

Containing a dedicated chapter on root-quality plus new chapters on organic production and consumer expectations, this book also:

- Highlights both unique and shared characteristics among cultivated *Apiaceae* species;
- Describes the links between scientific principles and cropping systems;
- Explores the relationship between crop management and product quality.

An invaluable resource for all those involved in carrot and related vegetable production, this is essential reading for producers, and horticulture, plant science and food science students, as well as researchers in these areas.

TD635/Ca687



Cutright, R.E. (2021). *The Story of Food in the Human Past: How What We Ate Made Us Who We Are.* The University of Alabama Press. ISBN 9780817320829

The Story of Food in the Human Past: How What We Ate Made Us Who We Are uses case studies from recent archaeological research to tell the story of food in human prehistory. Beginning with the earliest members of our genus, Robyn E. Cutright investigates the role of food in shaping who we are as humans during the emergence of modern Homo sapiens and through major transitions in human prehistory such as the development of agriculture and the emergence of complex societies.

This fascinating study begins with a discussion of how food shaped humans in evolutionary terms by examining what makes human eating unique, the use of fire to cook, and the origins of cuisine as culture and adaptation through the example of Neandertals. The second part of the book describes how cuisine was reshaped when humans domesticated plants and animals and examines how food expressed ancient social structures and identities such as gender, class, and ethnicity. Cutright shows how food took on special meaning in feasts and religious rituals and also pays attention to the daily preparation and consumption of food as central to human society.

Cutright synthesizes recent paleoanthropological and archaeological research on ancient diet and cuisine and complements her research on daily diet, culinary practice, and

special-purpose mortuary and celebratory meals in the Andes with comparative case studies from around the world to offer readers a holistic view of what humans ate in the past and what that reveals about who we are.

TD664/Cu900
EBSCOhost Ebook Academic Collection



Ayora-Diaz, S.I. (Ed.). (2021). *The Cultural Politics of Food, Taste, and Identity: A Global Perspective.* Bloomsbury Academic. ISBN 9781350162723

The Cultural Politics of Food, Taste, and Identity examines the social, cultural, and political processes that shape the experience of taste. The book positions flavor as involving all the senses, and describes the multiple ways in which taste becomes tied to local, translocal, glocal, and cosmopolitan politics of identity. Global case studies are included from Japan, China, India, Korea, Belize, Chile, Guatemala, the United States, France, Italy, Poland and Spain.

Chapters examine local responses to industrialized food and the heritage industry, and look at how professional culinary practice has become foundational for local identities. The book also discusses the unfolding construction of "local taste" in the context of sociocultural developments, and addresses how cultural political divides are created between meat consumption and vegetarianism, innovation and tradition, heritage and social class, popular food and authenticity, and street and restaurant food.

In addition, contributors discuss how different food products – such as kimchi, quinoa, and Soylent – have entered the international market of industrial and heritage foods, connecting different places and shaping taste and political identities.

TD664/Cu400



Lewis, T. (2020). *Digital Food: From Paddock to Platform.* Bloomsbury Academic. ISBN 9781350055094

Tania Lewis offers the first critical account of the impact of digital information, media, and communication technologies on the topic of food. Lewis critically analyzes how our relationship to food consumption, production, and politics is being re-mediated through digitally connected electronic devices, practices and content. By drawing together the world of food and the digital, the book speaks to a number of pressing contemporary themes including the tensions around digital engagement in increasingly commercialized spaces; the changing nature of politics in a social media context; the growing naturalization of digital devices and related practices of data monitoring; and the role and impact of digitization on social relations.

At the forefront of critical new research, and written with a student readership in mind, this text is essential for scholars interested in media studies, cultural studies, food studies, and cultural geography.

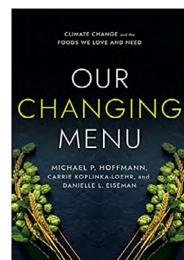
TD664/Le954



Pisetska Farley, M. (2021). *Festive Ukrainian Cooking*. University of Pittsburgh Press. ISBN 9780822966784

Ukrainian cooking embodies national and ethnic tastes and reflects the spiritual and social awareness of Ukrainians. More than just a cookbook, *Festive Ukrainian Cooking* is a definitive account of traditional Ukrainian culture as perpetuated in family rituals and celebrated with elegantly prepared food and drink. Working from original sources in Ukrainian, Russian, and Polish, and drawing on experience as an accomplished cook, Marta Pisetska Farley arranges these recipes as they were enjoyed throughout the year, beginning with *kolach*, a glazed braided bread sprinkled with poppy seeds, for Christmas Eve, and ending with succulent dishes made with wild mushrooms harvested in the fall. Chapter introductions describe the folkways associated with major holidays and family events and the symbolic and celebratory role of food appropriate to each. *Festive Ukrainian Cooking*, originally published in 1990 and now newly repackaged in paperback, records these traditions and adapts old-style recipes for the modern kitchen.

TD641.568/Pi803



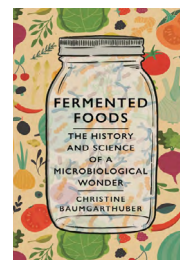
Hoffmann, M.P., Koplinka-Loehr, C., & Eiseman, D.L. (2021). *Our Changing Menu: Climate Change and the Foods We Love and Need*. Comstock Publishing Associates. ISBN 9781501754623

Our Changing Menu unpacks the increasingly complex relationships between food and climate change. Whether you're a chef, baker, distiller, restaurateur, or someone who simply enjoys a good pizza or drink, it's time to come to terms with how climate change is affecting our diverse and interwoven food system.

Michael P. Hoffmann, Carrie Koplinka-Loehr, and Danielle L. Eiseman offer an eye-opening journey through a complete menu of before-dinner drinks and salads; main courses and sides; and coffee and dessert. Along the way they examine the escalating changes occurring to the flavors of spices and teas, the yields of wheat, the vitamins in rice, and the price of vanilla. Their story is rounded out with a primer on the global food system, the causes and impacts of climate change, and what we can all do. *Our Changing Menu* is a celebration of food and a call to action – encouraging readers to join with others from the common ground of food to help tackle the greatest challenge of our time.

TD664/Ho117

EBSCOhost Ebook Academic Collection

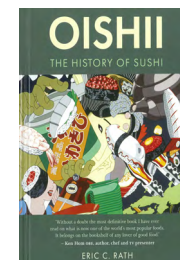


Baumgarthuber, C. (2021). *Fermented Foods: The History and Science of a Microbiological Wonder*. Reaktion Books. ISBN 9781789143751

For thousands of years fermented foods – bread, wine, beer, pickles, sausage, cheese – have nourished humanity through dearth and famine, the founding of ancient kingdoms and the building of industrial cities. Fermentation, and its preserving effects, gave humans food security. Tiny microorganisms – bacteria, yeasts and mould – do the magic of turning cabbage into kimchi and grapes into wine. Yet fear of contaminants in the nineteenth and twentieth centuries led modern people away from home fermenting and towards mass-produced food.

From the scientific drive to brew better beer to the cured meats of Iceland and the piquant, sometimes deadly ferments of Southeast Asia, this fascinating and often whimsical history is a celebration of the world's favourite fermented foods.

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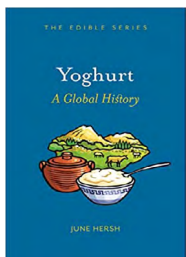


Rath, E.C. (2021). *Oishii: The History of Sushi*. Reaktion Books. ISBN 9781789143836

Sushi and sashimi are by now global sensations and have become perhaps the best-known of Japanese foods, but they are also the most widely misunderstood. *Oishii: The History of Sushi* reveals that sushi began as a fermented food with a sour taste, used as a means to preserve fish.

This book, the first history of sushi in English, traces sushi's development from China to Japan and then internationally, and its evolution from street food to high-class cuisine. Included are historical and original recipes that display the diversity of sushi and how to prepare it. An expert on Japanese food history, Eric C. Rath has written a must-read for understanding sushi's past and how it became one of the world's greatest cuisines.

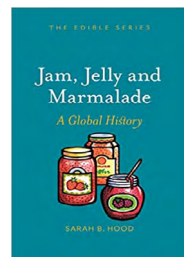
TD641.568/Ra731



Hersh, J. (2021). *Yoghurt : A Global History*. Reaktion Books. ISBN 9781789144123

Yoghurt: A Global History is a fascinating account of the rich history of yoghurt, from its earliest origins in Neolithic times to the modern-day phenomenon it has become. The book delves into its nutritious properties, analyses worldwide consumption and explores new developments in yoghurts, including non-dairy varieties, on-the-go options and its consumption in China, Europe and North America. This book will help the reader better understand the plethora of yoghurt products available. Step-by-step instructions on how to make foolproof homemade yoghurt are included, as well as mouth-watering recipes from around the world.

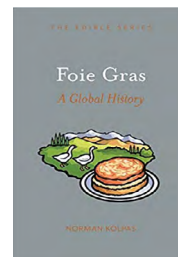
TD637.1/He766



Hood, S.B. (2021). *Jam, Jelly and Marmalade : A Global History*. Reaktion Books. ISBN 9781789143898

People can be passionate about their favourite jam, jelly or marmalade, whether homemade or bought from a supermarket. Sarah B. Hood, an award-winning jam-maker, looks at the history of these sweet treats from simple fruit preserves to staple commodities, gifts for royalty, global brands, wartime comforts and valued delicacies. She traces connections between sweet preserves and the Temperance movement, the Crusades, medieval banquets, Georgian dinner parties, Scottish breakfasts, Joan of Arc and the adoption of tea-drinking in Europe. This book explores the birth of unique local specialties and treasured customs, the rise and fall of marmalade mavens, and a jam-factory revolution.

TD641(09)/Ho543

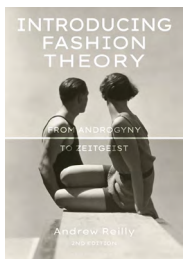


Kolpas, N. (2021). *Foie Gras : A Global History*. Reaktion Books. ISBN 9781789143775

Few ingredients inspire more soaring praise and provoke greater outrage than foie gras. Literally meaning 'fat liver', foie gras is traditionally produced by force-feeding geese or ducks, a process that has become the object of widespread controversy and debate.

In *Foie Gras: A Global History*, Norman Kolpas provides a balanced and engaging account of this luxurious ingredient's history and production from ancient Egypt to modern times. Kolpas also explores how foie gras has inspired famous writers, artists and musicians, including Homer, Melville, Asimov, Monet and Rossini. The book includes a guide to purchasing, preparing and serving foie gras as well as easy recipes ranging from classic dishes to contemporary treats.

TD637.5/Ko300



Reilly, A. (2021). *Introducing Fashion Theory: From Androgyny to Zeitgeist* (2nd ed.). Bloomsbury Visual Arts. ISBN 9781350091917

How does a style become a fashion? Why do trends spread and decline? *Introducing Fashion Theory* explores these questions and more to help you quickly get up to speed with fashion theories, from scarcity to conformity, through clear practical examples and fascinating case studies.

This second edition, re-titled from *Key Concepts for the Fashion Industry*, includes expanded coverage on cultural appropriation, corporate greenwashing, and the criminal world of counterfeit goods.

- Illustrated examples, from Apple's post-postmodernist iWatch to Savage X Fenty's body image message on diversity;
- Covers core fashion theories, from trickle-down to trickle-up, to political dress and conspicuous consumption;
- Filled with learning activities, key terms, chapter summaries, and discussion questions to inspire and inform.

TD687/Re327



Hameide, K.K. (2021). *Managing Fashion: A Management Perspective*. Routledge. ISBN 9780815364757

The fashion industry is a multibillion-dollar global industry with a variety of organizational structures and a multitude of challenges. Such scope triggered the recent rise in management programs in the U.S. and Europe aiming to produce and train young managers to meet such global and diverse challenges.

Managing Fashion covers the fashion business with a twist – a management twist. Its goal is to tackle the topics from a fashion manager perspective referencing relevant management concepts and theories, thus offering a deeper and more practical dimension to the issues addressed. It offers a balanced mix of fashion and management, theory and application, as well as creating an opportunity for analysis and critical thinking.

Discussions throughout the book are supported by specially developed case studies and relevant examples taken from the fashion industry. It is an opportunity to expose the fashion student or reader, as well as aspiring fashion managers, to a more practical approach to fashion theories and issues. *Managing Fashion* will serve as a core text for Fashion Studies, Fashion Entrepreneurship, and Fashion Merchandising majors as well as for special business degrees and management certificates targeting the fashion industry.

TD687/Ha321



Golizia, D. (2022). *The Fashion Business: Theory and Practice in Strategic Fashion Management*. Routledge. ISBN 9780367490553

This book provides a clear understanding of the different business strategies and models across all markets of the fashion industry.

Providing a holistic and practical approach to strategic fashion management and marketing, the book covers brand image, supply chain, communication, price point and social media. Based on examples from international organisations – including Off-White, Nike and Zara, as well as leading luxury brands – the author identifies 13 core market sectors and explores the strategies applied in each: from creativity to their supply chain and sustainability, from segmentation strategy to brand policies and from pricing to distribution. Each chapter includes features to aid student learning, including interviews with a wide range of experts from across the industry as well as student activities and reflection points.

Theoretically grounded yet practical in its approach, this is important reading for advanced undergraduate and postgraduate students of Strategic Fashion Management, Fashion Marketing and Communications, Fashion Merchandising and Luxury Fashion.

TD687/Go318

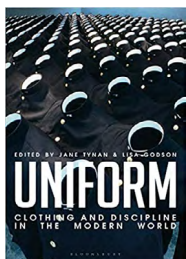


Mida, I.E. (2020). *Reading Fashion in Art*. Bloomsbury Visual Arts. ISBN 9781350032705

Dress and fashion are central to our understanding of art. From the stylization of the body to richly symbolic textiles, dress tells a story and provides clues as to the cultural beliefs of the time in which artworks were produced. This concise and accessible book provides a step-by-step guide to analysing dress in art, including paintings, photographs, drawings, and art installations. Works by artists such as Elisabeth Vigée le Brun, Thomas Gainsborough, James Jacques Tissot, Marcel Duchamp and Man Ray, Yinka Shonibare, Mickalene Thomas, Kent Monkman, and others are used to demonstrate key themes of analysis, including status and identity, modernity, ideals of beauty, gender, race, globalization, and politics.

Reading Fashion in Art is the perfect text for students of fashion coming to art history for the first time as well as art history students studying dress in art, and is an essential handbook for any gallery visitor. The step-by-step methodology helps the reader learn to look at any work of art that includes the dressed or undressed body and confidently develop a critical analysis of what they see.

TD687/Mi110



Tynan, J., & Godson, L. (Eds.). (2021). *Uniform: Clothing and Discipline in the Modern World*. Bloomsbury Visual Arts. ISBN 9781350227224

Uniform: Clothing and Discipline in the Modern World examines the role uniform plays in public life and private experience. This volume explores the social, political, economic, and cultural significance of various kinds of uniforms to consider how they embody gender, class, sexuality, race, nationality, and belief. From the pageantry of uniformed citizens to the rationalizing of time and labour, this category of dress has enabled distinct forms of social organization, sometimes repressive, sometimes utopian. With thematic sections on the social meaning of uniform in the military, in institutions, and political movements, its use in fashion, in the workplace, and at leisure, a series of case studies consider what sartorial uniformity means to the history of the body and society.

Ranging from English public school uniform to sacred dress in the Vatican, from Australian airline uniforms to the garb worn by soldiers in combat, *Uniform* draws attention to a visual and material practice with the power to regulate or disrupt civil society. Bringing together original research from emerging and established academics, this book is essential reading for students and scholars of fashion, design, art, popular culture, anthropology, cultural history, and sociology, as well as anyone interested in what constitutes a "modern" appearance.

TD687/Un400



Jackson, A. (Ed.). (2020). *Kimono: Kyoto to Catwalk*. V&A Publishing. ISBN 9781851779925

The kimono is an iconic garment. The ultimate symbol of Japan, it is sometimes perceived as traditional, unchanging and timeless.

Kimono: Kyoto to Catwalk counters that misconception, presenting kimono as highly dynamic and fashionable. The book explores their cultural and sartorial significance in historical and contemporary contexts, both in Japan and the rest of the world, where the kimono's powerful impact on dress has been felt since the seventeenth century.

Featuring over 250 kimono and kimono-inspired garments from the V&A and collections around the world, the book ranges from Samurai style to contemporary couture. Designs by John Galiano, Rei Kawakubo and Alexander McQueen, together with costumes for film stars and musicians, reveal the kimono's central place at the heart of a fascinating story of global fashion and cultural exchange.

TD687(09)/Ki276



Pasqualetti Johnson, C. (2020). *Coco Chanel: Eine Ikone der Mode*. White Star Verlag. ISBN 9788863124514

Der Name der Modekönigin Coco Chanel ist der Inbegriff für einen unverwechselbaren, einzigartigen Stil. Mit rebellischem Geist hat sie sich ihren Erfolg wie ein Kleid auf den Leib geschneidert. Sie revolutionierte die weibliche Garderobe mit legendären Kreationen wie dem kleinen Schwarzen, ausgefallenem Modeschmuck, dem Kostüm mit dem goldenen Knöpfen, der gesteppten Handtasche und dem Parfüm N° 5. Ihr Mythos erwacht in dieser Biografie zu neuem Leben. Hunderte von Bildern zeigen sie provokant wie königlich als die perfekte Verkörperung jener zeitlosen Eleganz, die sie unsterblich werden ließ.

TD687 (092)/Ch217



Jorif, S. (2020). *Elle: 75 ans de photos de mode*. Gründ. ISBN 9782324027383

Fondé en 1945 par Hélène Lazareff, le magazine *Elle* donne d'emblée une place prépondérante à la mode et aux couturiers. Leurs créations accompagnent les femmes tout au long du XXe siècle, deviennent l'écho de leur émancipation. Les mentalités changent, *Elle* s'en fait le témoin: de grands noms de la photographie nourrissent le magazine de leurs images et documentent la "parfaite femme d'intérieur" des années 1950, la génération yéyé, la révolution du pantalon des années 1970, le feu d'artifice des années 1980, l'avènement des top models... et aujourd'hui l'inclusivité et a mode responsable.

Abondamment illustré, cet album anniversaire rassemble certaines des plus emblématiques photos de mode parues dans les pages de *Elle*, retraçant l'histoire du magazine. S'y dessine, en miroir, un panorama complet de l'évolution de la place des femmes dans la société.

TD687(09)/Jo650