

Jaunieguvumu apskats: Tehnoloģiju & dabaszinātņu izdevumi svešvalodās



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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

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

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

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Jauni izdevumi papildinājuši Latvijas Nacionālās bibliotēkas (LNB) Tehnoloģiju un dabaszinātņu lasītavas grāmatu plauktus. Lūk, ieskats dažos no tiem!

Fiziskie vingrojumi, kurus ieteicams veikt jaunākajiem skolas vecuma bērniem, skatāmi skolotājiem adresētajos izdevumos *“Educational Gymnastics for Children”* un *“Promoting Elementary School Physical Activity: Ideas for Enjoyable Active Learning”*.

Grāmatā *“A Year Full of Flowers: Gardening for All Seasons”* gūsiet idejas skaista dārza izveidei. Tā Jūs aizvedīs uz Apvienoto Karalisti, kur grāmatas autore Sāras Reivenas (Sarah Raven) dārzā visu gadu zied krāšņi ziedi.

Ilgspējība ir globāls jautājums un ļoti aktuāls daudzās nozarēs. Lai mazinātu dažādu industriju radīto negatīvo ietekmi uz cilvēci un vidi, nepieciešama tūlītēja rīcība. Ilgtspējības nozīmība viesmīlībā, sniedzot praktiskus risinājumus tās veicināšanā, aktualizēta izdevumos *“Critical Questions in Sustainability and Hospitality”* un *“The Sustainable Chef: The Environment in Culinary Arts, Restaurants, and Hospitality”*. Savukārt ilgtspējība modes industrijā apskatīta izdevumos *“Accelerating Sustainability in Fashion, Clothing and Textiles”* un *“Zero Waste Fashion Design”*.

Tos, kuri interesējas par modes vēsturi, aicinām ielūkoties grāmatā *“The Cambridge Global History of Fashion”*. Divos izdevuma sējumos skatīta mode no antikās pasaules laika līdz mūsdienām.

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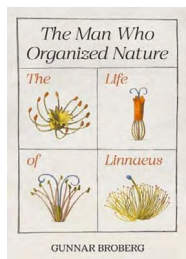
Tehnoloģiju un dabaszinātņu lasītava
Nozaru literatūras centrs
Latvijas Nacionālā bibliotēka
Mūkusalas iela 3, Rīga, LV-1423
Tālr.: 67806132
E-pasts: tehnologijas@lnb.lv

Redaktore & maketētāja:

Zane Bondare
E-pasts: zane.bondare@lnb.lv
Informāciju sagatavoja:
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Broberg, G. (2023). *The Man Who Organized Nature: The Life of Linnaeus*. Princeton University Press. ISBN 9780691213422

Carl Linnaeus (1707–1778), known as the father of modern biological taxonomy, formalized and popularized the system of binomial nomenclature used to classify plants and animals. Linnaeus himself classified thousands of species; the simple and immediately recognizable abbreviation “L” is used to mark classifications originally made by Linnaeus. This biography, by the leading authority on Linnaeus, offers a vivid portrait of Linnaeus’s life and work. Drawing on a wide range of previously unpublished sources – including diaries and personal correspondence – as well as new research, it presents revealing and original accounts of his family life, the political context in which he pursued his work, and his eccentric views on sexuality.

The Man Who Organized Nature describes Linnaeus’s childhood in a landscape of striking natural beauty and how this influenced his later work. Linnaeus’s Lutheran pastor father, knowledgeable about plants and an enthusiastic gardener, helped foster an early interest in botany. The book examines the political connections that helped Linnaeus secure patronage for his work, and untangles his ideas about sexuality. These were not, as often assumed, an attempt to naturalize gender categories but more likely reflected the laissez-faire attitudes of the era. Linnaeus, like many other brilliant

scientists, could be moody and egotistical; the book describes his human failings as well as his medical and scientific achievements. Written in an engaging and accessible style, *The Man Who Organized Nature* – one of the only biographies of Linnaeus to appear in English – provides new and fascinating insights into the life of one of history’s most consequential and enigmatic scientists.

TD57(092)/Li610

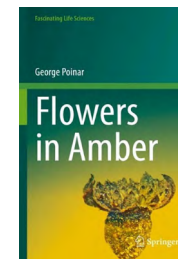


Flannery, M.C. (2023). *In the Herbarium: The Hidden World of Collecting and Preserving Plants*. Yale University Press. ISBN 9780300247916

Collections of preserved plant specimens, known as herbaria, have existed for nearly five centuries. These pressed and labeled plants have been essential resources for scientists, allowing them to describe and differentiate species and to document and research plant changes and biodiversity over time – including changes related to climate.

Maura C. Flannery tells the history of herbaria, from the earliest collections belonging to such advocates of the technique as 16th Century botanist Luca Ghini, to the collections of poets, politicians, and painters, and to the digitization of these precious specimens today. She charts the growth of herbaria during the Age of Exploration, the development of classification systems to organize the collections, and herbaria’s indispensable role in the tracking of climate change and molecular evolution. Herbaria also have historical, aesthetic, cultural, and ethnobotanical value – these preserved plants can be linked to the Indigenous peoples who used them, the collectors who sought them out, and the scientists who studied them. This book testifies to the central role of herbaria in the history of plant study and to their continued value, not only to biologists but to entirely new users as well: gardeners, artists, students, and citizen-scientists.

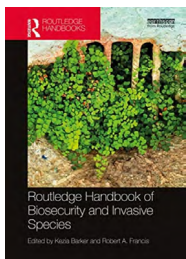
TD58/FI200



Poinar, G. (2022). *Flowers in Amber*. Springer. ISBN 9783031090431

While much attention has been given to animal life in amber, the remains of a variety of plants, including angiosperm flowers, also exist in fossilized resin. Presented here is a pictorial synopsis of 94 flowers that occur in four major amber deposits around the world. These deposits are from Burma (Myanmar), the Baltic area, the Dominican Republic and Mexico, and range in age from the mid-Cretaceous to the mid-Tertiary. The basic features of these flowers are presented and their relationship with existing plant lineages discussed. This work will be of interest to amber enthusiasts, plant taxonomists, plant morphologists, plant ecologists, plant evolutionists and plant paleontologists.

TD549.8/Po150



Barker, K., & Francis, R.A. (Eds.). (2021). *Routledge Handbook of Biosecurity and Invasive Species*. Routledge. ISBN 9780367763213

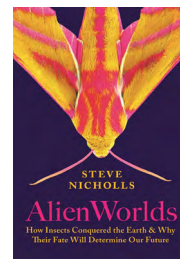
This handbook provides a comprehensive overview of the assessment and management of potentially dangerous infectious diseases, quarantined pests, invasive (alien) species, living modified organisms and biological weapons, from a multitude of perspectives.

Issues of biosecurity have gained increasing attention over recent years but have often been addressed only from narrow disciplines and with a lack of integration of theoretical and practical approaches. *The Routledge Handbook of Biosecurity and Invasive Species* brings together both the natural sciences and the social sciences for a fully rounded perspective on biosecurity, shedding light on current national and international management frameworks with a mind to assessing possible future scenarios. With chapters focussing on a variety of ecosystems – including forests, islands, marine and coastal and agricultural land – as well as from the industrial scale to individual gardens, this handbook reviews the global state of invasions and vulnerabilities across a wide range of themes and critically analyses key threats and threatening activities, such as trade, travel, land development and climate change.

Identifying invasive species and management techniques from a regional to international scale, this book will be a key reference text for

a wide range of students and academics in ecology, agriculture, geography, human and animal health and interdisciplinary environmental and security studies.

TD574/Ro852

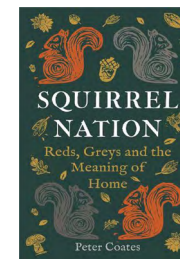


Nicholls, S. (2023). *Alien Worlds : How Insects Conquered the Earth & Why Their Fate Will Determine Our Future*. Princeton University Press. ISBN 9780691253589

Life on Earth depends on the busy activities of insects, but global populations of these teeming creatures are currently under threat, with grave consequences for us all. *Alien Worlds* presents insects and other arthropods as you have never seen them before, explaining how they conquered the planet and why there are so many of them, and shedding light on the evolutionary marvels that enabled them to thrive. Blending glorious imagery with entertaining and informative science writing, this book takes you inside the hidden realm of insects and reveals why their fate carries profound implications for our own.

- Spectacular photos provide a rare, up-close look at the alien worlds of insects;
- Sheds light on the origins and wondrous diversity of insects;
- Discusses how insects first took to the air and colonised the far corners of our planet;
- Explores the extraordinary sensory world of insects;
- Explains the remarkable success of social insects, from termites and ants to bees and wasps.

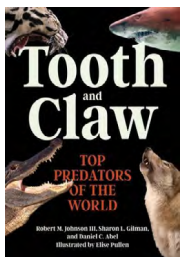
TD595.7/Ni124



Coates, P. (2023). *Squirrel Nation : Reds, Greys and the Meaning of Home*. Reaktion Books. ISBN 9781789147704

Squirrel Nation tells the story of Britain's two squirrel species over the past two hundred years. The beloved red squirrel is rare, while the grey squirrel is commonly seen in our gardens, parks, towns and countryside. Many Britons see the grey squirrel as a foreign invader as it was introduced from North America in the late nineteenth century. Peter Coates describes the animal's colonization of Britain and how it relates to such contemporary issues as belonging, nationalism, citizenship and the defence of borders. Despite people's tendency to differentiate between British squirrels and squirrels in Britain, *Squirrel Nation* reveals that the two species share more similarities than meets the eye.

TD599/Co017



Johnson, R.M., III, Gilman, S.L., & Abel, D.C. (2023). *Tooth and Claw: Top Predators of the World*. Princeton University Press. ISBN 9780691240282

Tooth and Claw presents the world's top predators as you have never seen them before, from big cats and wild dogs to sharks, reptiles, and killer whales. Blending gorgeous photos and illustrations with spellbinding storytelling, this book is packed with the latest facts about these fearsome but often misunderstood animals. It covers apex and other top predators in each major vertebrate family, discussing where and how they live, how they are faring in the modern world, and why they matter. Along the way, the authors share informative and entertaining anecdotes from their decades in the field learning about predators and reveal hard truths about the role humans continue to play in their fate. *Tooth and Claw* also describes conservation successes and lays out some simple but crucial steps each of us can take to protect these magnificent beasts. Are humans top predators, too? Read this amazing book and find out.

- Offers an unparalleled look at a side of nature rarely witnessed up close;
- Stunningly illustrated throughout and brimming with fun facts;
- Describes ultimate vertebrate predators ranging from sharks and reptiles to raptors, cats, dogs, bears, and marine mammals;
- Provides rare insights into the biology, ecology, and conservation of top predators;

- Draws on the latest findings from habitats around the world;
- Conveys the wonders of the natural world with engaging storytelling and lively personal anecdotes.

TD591.5/Jo266



Wang, L., Yin, Z., & Caers, J. (2024). *Data Science for the Geosciences*. Cambridge University Press. ISBN 9781009201407

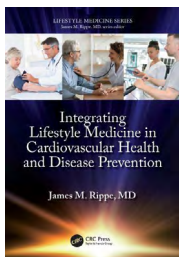
Data Science for the Geosciences provides students and instructors with the statistical and machine learning foundations to address Earth science questions using real-world case studies in natural hazards, climate change, environmental contamination, and Earth resources. It focuses on techniques that address common characteristics of geoscientific data, including extremes, multivariate, compositional, geospatial, and space-time methods. Step-by-step instructions are provided, enabling readers to easily follow the protocols for each method, solve their geoscientific problems, and make interpretations. With an emphasis on intuitive reasoning throughout the text, students are encouraged to develop their understanding without the need for complex mathematics, making this the perfect text for those with limited mathematical or coding experience.

As part of the textbook package, students are provided with supplemental Python notebooks in order to practice their skills on real data sets from different world regions. Readers can also apply concepts to their own data sets and test their skills through a range of homework exercises that focus on data scientific analysis, modeling, and prediction problems.

- Provides step-by-step instruction for each method, allowing students to easily put their

- skills into practice;
- Uses real-Earth data sets and case studies to address Earth science questions across a range of disciplines;
- Focuses on intuitive reasoning without the need for complex mathematics or prior coding experience.

TD55/Wa580



Rippe, J.M. (2023). *Integrating Lifestyle Medicine in Cardiovascular Health and Disease Prevention*. CRC Press. ISBN 9781032213842

Cardiovascular disease (CVD) is the leading cause of morbidity and mortality in the United States and around the world. Major risk factors for CVD result from poor lifestyle habits and practices, but the area of lifestyle medicine has emerged to help clinicians and their patients understand the power of positive lifestyle habits and actions.

Written by cardiologist and lifestyle medicine pioneer, Dr. James Rippe, *Integrating Lifestyle Medicine in Cardiovascular Health and Disease Prevention* introduces the principles of lifestyle medicine with the practice of cardiology to help lower the risk of heart disease and, if already present, assist in its treatment. This book provides evidence-based information on both the prevention and treatment of CVD through lifestyle measures such as regular physical activity, sound nutrition, weight management and avoidance of tobacco products. This information aids physicians and patients to better understand multiple linkages between poor habits and practices, employing them with associated behavioral techniques to lessen the likelihood of developing CVD.

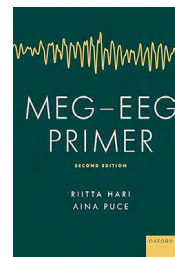
Features:

- Summarizes major issues in CVD including heart attack, stroke, atrial fibrillation, high blood pressure, lipid abnormalities and obesity;

- Provides protocols for overcoming a sedentary lifestyle and using lifestyle medicine techniques to optimize brain health;
- Empowers clinicians with vital information for consultations on the power of lifestyle medicine practices, both to treat symptoms if already present or to prevent major components of CVD from developing in the future.

Written for practitioners at all levels, this user-friendly volume in the *Lifestyle Medicine* series is valuable to practitioners in general medicine or subspecialty practices including lifestyle medicine and cardiology.

TD616.1/Ri726



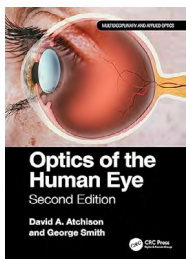
Hari, R., & Puce, A. (2023). *MEG-EEG Primer (2nd ed.)*. Oxford University Press. ISBN 9780197542187

MEG-EEG Primer presents the basic A to Z of two non-invasive human electrophysiological methods, magnetoencephalography (MEG) and electroencephalography (EEG). These methods are used to study human brain dynamics, tracking the brain's responses to sensory, cognitive, and social stimuli. This book, now in its second edition, remains the only volume of its kind that discusses both MEG and EEG side-by-side, for an integrated understanding of brain function. In 22 chapters with almost two hundred color figures, the book covers the basic physical and physiological foundations of these two methods, the historical background and development of their implementation, instrumentation, recording techniques, data analysis, and interpretation.

The new edition includes expanded text on MEG and EEG sensor types and amplifiers, artifacts, new analysis tools, open data repositories, and novel instrumentation. Due to new concerns from the COVID-19 pandemic, general infection control in MEG/EEG laboratories is also discussed. Interoception is introduced as an interesting emerging research field. Moreover, future developments in MEG and EEG are examined with respect to new and evolving technologies, and new applications for their use. Overall, *MEG-EEG Primer* puts into perspective the role of MEG and EEG in neuroscience research at large, and the

future of our understanding of the dynamics of human brain function.

TD616.8/Ha540



Atchison, D.A., & Smith, G. (2023). *Optics of the Human Eye* (2nd ed.). CRC Press. ISBN 9780367640514

This book describes the optical structure and optical properties of the human eye. For ease of reference, the most commonly useful topics are at the beginning and topics with narrower appeal are placed towards the end. The book is divided into five sections, covering:

- Basic optical structure of the eye, including the refracting components, the pupil, axes, and simple models of the eye;
- Image formation and refraction of the eye, including refractive errors, measurement, and correction;
- Interactions between light and the eye, considering transmission, reflection, and scatter in the media and at the fundus;
- Aberrations and retinal image quality;
- Depth-of-field and age-related changes in the optics of the eye.

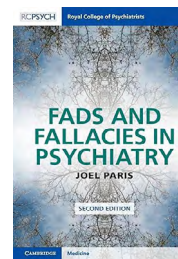
The book concludes with five appendices; these cover mathematics relating to paraxial optics, aberration theory, image quality criteria and refraction across the pupil, and they provide construction data and optical parameters of several schematic eyes.

There have been many developments in the field of visual optics since the first edition was published in 2000. There have been advances in instrumentation for imagery, biometry, and aberrations of the eye. The refraction anomaly of

myopia has increased in prevalence throughout the world, and is getting increasing attention because of its association with ocular pathology in the middle and later years of life. Ocular aberrations are now considered in terms of Zernike polynomials rather than Taylor polynomials. Aberrations can be manipulated to better understand their effects on visual performance to improve imagery of the retina for the betterment of diagnosis of various ocular conditions, and to treat the progression of myopia in children. To deal with these developments, the section on aberrations and retinal image quality has undergone considerable revision.

This book will be an invaluable purchase for all those with an interest in vision, such as optometrists, ophthalmologists, vision scientists, optical physics, and student of visual optics. An understanding of the optics of the human eye is particularly important to designers of ophthalmic diagnostic equipment and visual optical systems, such as telescopes.

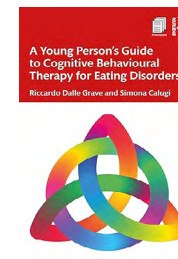
TD617.7/At214



Paris, J. (2023). *Fads and Fallacies in Psychiatry* (2nd ed.). Cambridge University Press. ISBN 9781009245739

This text examines the fads and fallacies, both past and present, that have plagued psychiatric diagnosis, treatments and research. It argues that such practices have led to an over-diagnosis of conditions such as depression, bipolar disorder, ADHD, PTSD and autism. It examines the over-treatment of psychiatric disorders with pharmaceuticals, and asks if neuroscience will actually hold the answers to the biggest questions in the field. Thoroughly updated in light of new research, this new edition addresses some of the more recent developments in psychiatry, including behavioural genetics, genome-wide association studies, and brain imaging. It looks at new advances in psychotherapies and argues for a broad biopsychosocial model. The book will inform psychiatrists, clinical psychologists, other mental health professionals, and medical students of the limits of mental health practice and the importance of adopting cautious conservatism and the principles of evidence-based practice.

TD616.89/Pa511



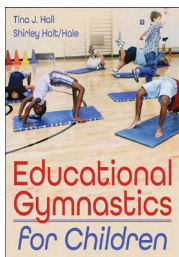
Grave, R.D., & Calugi, S. (2024). *A Young Person's Guide to Cognitive Behavioural Therapy for Eating Disorders*. Routledge. ISBN 9781032378985

A Young Person's Guide to Cognitive Behavioural Therapy for Eating Disorders is a state-of-the-art guide for young patients struggling with disordered eating based on enhanced cognitive behaviour therapy (CBT-E).

CBT-E is one of the most effective treatments for eating disorders, including anorexia nervosa, bulimia nervosa and binge-eating disorder, which has recently been adapted for adolescents. Written by two experienced clinicians and clinical researchers working daily with teenagers suffering from eating disorders, and their parents, this book offers an effective mix of theory and clinical expertise that will appeal to all readers. The volume starts with a presentation the most current facts on eating disorders. Part 2 then provides young with eating disorders a complete description – accompanied by clinical examples and helpful vignettes on how to implement the main CBT-E procedures.

While this book is specifically tailored for young people aged between 15 and 25 years with eating disorders treated with CBT-E, it will also be useful for all young persons affected by eating disorders, and clinicians using CBT-E with young patients.

TD615.851/Gr281



Hall, T.J., & Holt/Hale, S.A. (2024). *Educational Gymnastics for Children*. Human Kinetics. ISBN 9781718212008

Educational Gymnastics for Children takes a child-centered approach to offering highly applied and safe learning experiences as it provides readers with the theoretical foundation and practical application of educational gymnastics for all elementary students.

The text offers the following:

- Gymnastics learning experiences for elementary physical education, most requiring no gymnastics equipment;
- Detailed safety measures for all learning experiences to ensure a safe environment;
- Assessment strategies to enhance student learning;
- A child-centered approach to engage all students in a noncompetitive environment that encourages variety in student response and success for all students, thus fostering social-emotional learning and self-worth.

The learning experiences in the text provide a clear understanding of the skills and concepts being taught and come with an easy-to-follow template for teachers. Many of the learning experiences require no equipment; mats are added for safety as the task difficulty increases. A single chapter has been devoted to use of equipment (e.g., boxes, ladders, horizontal bars, climbing frames).

Educational Gymnastics for Children pro-

vides teachers with the content and teaching strategies they need to provide students a quality program of educational gymnastics – and to acquire some lifelong skills along the way.

TD796.4/Ha270



Pate, R.R., & Saunders, R.P. (2024). *Promoting Elementary School Physical Activity: Ideas for Enjoyable Active Learning*. Human Kinetics. ISBN 9781718214743

Promoting Elementary School Physical Activity: Ideas for Enjoyable Active Learning provides K-5 classroom teachers and physical educators with simple, creative strategies and activities that have proven successful in schools and that are appropriate for all children. The ideas are practical, accessible, and flexible – meaning the authors present guidance and options for modifying activities, so teachers can choose what works best for their students.

Promoting Elementary School Physical Activity: Ideas for Enjoyable Active Learning offers a total of 50 ready-to-use activities in four categories:

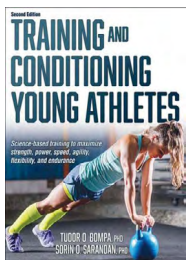
- Classroom physical activity breaks;
- Physically active instruction;
- Recess;
- Enhanced physical education.

The games and activities afford schools the opportunity to emphasize physical activity throughout the day. The activities are easy to fit into the curriculum at any and all points, including before and after school. Little or no equipment is needed; for the few activities that require equipment, suggestions are provided to make simple equipment from everyday materials. In addition, most chapters offer quick tips to help teachers overcome any challenges that might come up with the activities in that section, and

many chapters come with an infographic that shows or describes the benefits of the activity for the topic being discussed.

This practical guide makes it easy for teachers to bring the fun of physical activity – along with its academic, social, and health benefits – to their K-5 students.

TD796/Pa744



Bompa, T.O., & Sarandan, S.O. (2023). *Training and Conditioning Young Athletes* (2nd ed.). Human Kinetics. ISBN 9781718216143

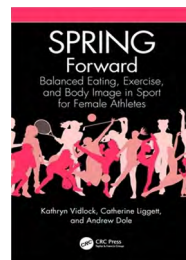
In *Training and Conditioning Young Athletes* world-renowned exercise scientist Tudor O. Bompa and his colleague Sorin O. Sarandan provide a blueprint for safely training young athletes to improve performance without hindering development and growth.

In this authoritative guide, you'll find proven programs for increasing strength, power, speed, agility, flexibility, and endurance. There are also more than 200 resistance training and conditioning exercises for six stages of youth training. Each exercise takes into account critical factors such as developmental stage, motor function, and sex-specific considerations.

Training and Conditioning Young Athletes also provides clear recommendations for how to reduce the risk of injuries and keep athletes healthy. Practical nutrition advice, recipes, and meal plans ensure proper fueling for training and competition, while an analysis of the energy systems used in 13 sports offers deeper insight into the programming and long-term training methodology.

The book is a must-have resource for anyone working with young athletes. With its focus on long-term development, it will help you safely train and condition young athletes so they achieve to their potential.

TD796.015/Bo415



Vidlock, K., Liggett, C., & Dole, A. (2023). *Spring Forward: Balanced Eating, Exercise, and Body Image in Sport for Female Athletes*. CRC Press. ISBN 9781032385648

Many female athletes struggle with body confidence and change their nutrition in unhealthy ways, only to the detriment of both their performance and their health. The book provides performance nutrition and body image flexibility guidance for adolescent and adult female athletes. This book details the problems and the consequences, and provides extensive education on healthier, higher-quality performance.

Nutritional details include specific nutritional needs for female athletes related to hormones and nutrition for peak performance, as well as fad diets. Body image education includes societal pressure, unrealistic ideals, handling mental aspects of body image, psychological obstacles, and dealing with more severe problems. Healthy performance is addressed along with sleep, camaraderie, and how to manage the ups and downs of being a female athlete.

Several instructional manuals that can be easily used for teams at any level, from secondary school to elite athletes, are included in the book. Secondary school athletes who used the program showed significant improvement in body image flexibility and gave the program rave reviews, stating that not only were they stronger athletes, but their teams also felt the education was a bonding experience.

TD61:796/Vi146



Knudson, D.V. (Ed.). (2024). *Introduction to Exercise Science*. Human Kinetics. ISBN 9781718209954

Introduction to Exercise Science offers a comprehensive overview of the field of exercise science and explores the research and evidence-based practice within the subdisciplines that are part of this dynamic and expanding discipline. This text focuses on the major subdisciplines within the field of human movement.

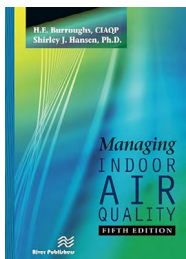
Introduction to Exercise Science features a full-color layout and a three-section structure to introduce students to the current issues that exercise science professionals seek to understand to promote better health and performance. It examines foundational exercise science knowledge such as musculoskeletal anatomy and measurement, and it delves into five major subdisciplines of exercise science: biomechanics, exercise physiology, motor behavior, sport and exercise psychology, and physical activity epidemiology. It then elaborates on research methods, evidence-based practice, and professional application in allied health. Throughout the text, sidebars are used to stimulate student curiosity about the vast field of exercise science and application in exercise prescription.

Online learning activities include interactive flash cards, review questions, research activities, and scenario-based exercises to fully immerse students in the world of exercise science so they can evaluate research and develop the

ability to think critically to confront specific challenges. *Introduction to Exercise Science* offers valuable perspectives on how scientific protocols and applied research can contribute to the health and performance of all people.

Ancillaries for adopting instructors are available online.

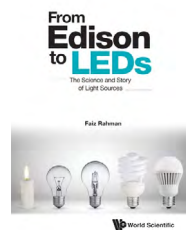
TD796.035/In833



Burroughs, H.E., & Hansen, S.J. (2023). *Managing Indoor Air Quality* (5th ed.). Routledge. ISBN 9788770229111

This newly revised and updated practical desk reference is structured to serve as a guide and information resource – both on treating existing indoor air problems effectively and on preventing costly IAQ problems from occurring in the first place. Finding solutions to indoor air quality problems is often a complex, multi-disciplined endeavor. A single discipline approach from the environmental engineer, the industrial hygienist, or the medical doctor, unfortunately tends to narrow both the control and the treatment options. This book cuts across these professions to offer those concerned with the total facility, a broader, more comprehensive approach to managing indoor air quality and mitigating indoor air quality problems. Topics covered also include updated ASHRAE standards and information, expanded discussion of greening and sustainability, building security and mold-related issues, current diagnostics and remediation practices, and the latest information on filtering.

TD697/Bu607



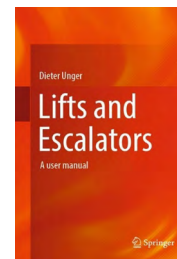
Rahman, F. (2023). *From Edison to LEDs: The Science and Story of Light Sources*. World Scientific. ISBN 9789811268274

Visible light has an inescapable presence all around us. We have generated light from prehistoric times using a variety of techniques. In modern times, we mainly produce illumination through electrical means. There are interesting historic anecdotes and fascinating scientific facts behind the various modern techniques for generating light.

This book attempts to describe the stories and technologies related to many light sources – some common, some less so. Described in a more-or-less chronological fashion, the book looks at developments from Edison and Swan's invention of the incandescent lamp, through lasers, to LEDs, and more. While the main focus is on sources of visible light, a number of devices that produce invisible radiation are also covered for the sake of completeness.

The book provides a holistic view of common and uncommon light sources from both historic and technical perspectives, to help readers place more modern developments in the context of what came before, and how. This book will be of benefit to all who are interested in optical sciences, especially in the generation, detection or use of electromagnetic radiation.

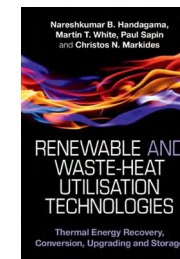
TD628.9/Ra280



Unger, D. (2024). *Lifts and Escalators: A User Manual*. Springer. ISBN 9783662678213

This book offers everyone who plans, builds or operates lifts and escalators a comprehensive overview of the important topics: starting with the standards and technical rules through to the history of technology. Planning, operation, maintenance and documentation of lifts and escalators are described. Numerous meaningful color illustrations complement the text. The book serves as a reference work for operators of lifts and escalators. The many examples, tips and advice from practice make it a helpful companion in daily work.

TD621.8/Un300



Handagama, N.B., White, M.T., Sapin, P., & Markides, C.N. (2023). *Renewable and Waste-Heat Utilisation Technologies*. Cambridge University Press. ISBN 9781108480772

Understand the science and engineering behind conventional and renewable heat loss recovery techniques with this thorough reference guide. This book provides you with the knowledge and tools necessary to assess the potential waste-heat recovery opportunities that exist within various industries and select the most suitable technology. In particular, technologies that convert waste heat into electricity, cooling or high-temperature heating are discussed in detail, alongside more conventional technologies that directly or indirectly recirculate heat back into the production process. Essential reading for professionals in chemical, manufacturing, mechanical and processing engineering who have an interest in energy conservation and waste-heat recovery.

TD621.1/Re573



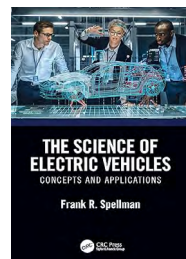
Currie, G. (Ed.). (2023). *Handbook of Public Transport Research*. Edward Elgar Publishing. ISBN 9781035315529

Providing a comprehensive overview and analysis of the latest research in the growing field of public transport studies, this *Handbook* looks at the impact of urbanisation and the growth of mega-cities on public transport. Chapters examine the significant challenges facing the field that require new and original solutions, including congestion and environmental relief, and the social equity objectives that justify public transport in cities.

This cross-disciplinary *Handbook* explores current topics in public transport research, focusing on the impact of innovative research on planning and operations in practice. Looking at the research frontiers in this increasingly complex and growing industry, the *Handbook* offers detailed analysis of the foundations, trends and futures of research, user perspectives, policy, planning and operational perspectives, and the future of service developments.

A critical read for transport and urban planning students and scholars, this cutting-edge book showcases important case studies and insights into current research. The practical applications of research discussed in the *Handbook* will also be useful to transport and urban planners as well as public transport regulators.

TD629/Ha373



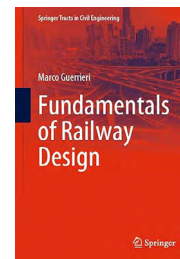
Spellman, F.R. (2023). *The Science of Electric Vehicles : Concepts and Applications*. CRC Press. ISBN 9781032366289

The Science of Electric Vehicles: Concepts and Applications presents the basic electrical principles, physics, chemistry, use of rare earth elements (REEs), batteries, charging, and operation of motor controllers of EVs. In addition to the general concepts, the book examines the policies and economics pertinent to the move from hydrocarbon power to electric-powered vehicles. It covers the history and development of electric vehicles as well as the science and engineering behind them.

Features:

- Presents the basic electrical principles, physics, and chemistry involved in the manufacture of electric vehicles;
- Discusses various battery types, energy efficiency, storage, and more.

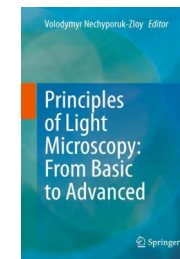
TD629.3-83/Sp313



Guerrieri, M. (2023). *Fundamentals of Railway Design*. Springer. ISBN 9783031240294

This textbook examines key railway engineering topics useful for railway design and control. Conventional railways are considered together with high-speed railways, tramways, metros, maglev and hyperloop systems, people movers, monorails and rack railways. Every system of transport is described in its basic technical characteristics, especially in terms of transportation system capacity, alignment design criteria and construction costs. It is an introductory book to specific topics of the railway engineering field, and thus, the mathematical treatment is purposely brief and simplified. The book is an ideal learning resource for students of civil engineering, as well as a valuable reference for practicing engineers involved with railway designs.

TD629.4/Gu256



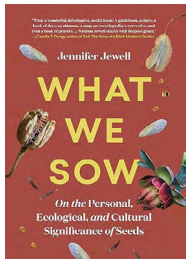
Nechyporuk-Zloy, V. (Ed.). (2023). *Principles of Light Microscopy : From Basic to Advanced*. Springer. ISBN 9783031044762

This textbook is an excellent guide to microscopy for students and scientists, who use microscopy as one of their primary research and analysis tool in the laboratory.

The book covers key microscopy principles and explains the various techniques such as epifluorescence microscopy, confocal/live cell imaging, SIM/light sheet microscopy, and many more. Easy-to-understand protocols provide helpful guidance for practical implementation in various commercially available imaging systems. The reader is introduced to histology and further be guided through advanced image acquisition, classification and analysis.

The book is written by experienced imaging specialists from the UK, other EU countries, the US and Asia, and is based on advanced training courses for master students and PhD students. Readers are not expected to be familiar with imaging and microscopy technologies, but are introduced to the subject step by step. This textbook is indented for biomedical and medical students, as well as scientists and postdocs who want to acquire a thorough knowledge of microscopy, or gain a comprehensive overview of modern microscopy techniques used in various research laboratories and imaging facilities.

TD681.7/Pr607



Jewell, J. (2023). *What We Sow : On the Personal, Ecological, and Cultural Significance of Seeds*. Timber Press. ISBN 9781643261072

What We Sow is an intense, insightful look into the outsize impact that one of nature's smallest manifestations – the simple seed – has on each of us, our days, and our collective nourishment.

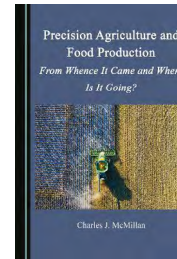
Jennifer Jewell takes us on a year's journey that mirrors the life cycle of seeds, along the way examining them from a scientific, economic, and cultural perspective. We learn how seeds marketed as "organic" are actually grown and sourced and how multinational agribusinesses have refined and patented the actual genomes of staples like corn and soy. Jewell also celebrates the efforts of activists working for racial and food justice to regain legal access to heirloom seeds stolen from Indigenous peoples and people of color.

At the same time, we are invited to share Jewell's personal observations of the glory of nature. She notices that it's the manzanita that blooms first in spring, there to greet the bees; that the wild seeds she encounters on her short daily walks take the form of everything from cups and saucers to ocean vessels and airliners; and that certain plants in her nearby canyon perhaps don't "belong" there; reflecting broadly on how what we think of as our individual actions are adversely affecting the landscapes all around us.

Jewell helps us see how we must shift our

own expectations – and do so rapidly – to preserve and protect natural diversity. This is a tale of what we choose to see and what we haven't been taught to see; what we choose to seed and what we choose not to seed. It proves urgently that we must reject consumption and cultivate reverence for the world around us.

TD631.52/Je960



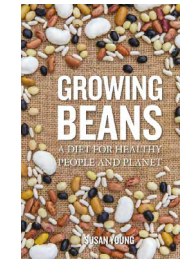
McMillan, C.J. (2023). *Precision Agriculture and Food Production : From Whence It Came and Where Is It Going?* Cambridge Scholars Publishing. ISBN 9781527586505

Around the world, the public faces a stark dilemma: food scarcity and food abundance, with food waste now reaching a trillion dollars a year. Rich countries have easy access to food products and can purchase a 300-gram chocolate bar for \$4.00, yet a cocoa farmer in Africa earns less than \$1 a day.

This book provides a comprehensive study of the food production system, from farms and farming to the ultimate haute cuisine of the finest restaurants, and corporate business models, from commodity traders, food producers, and food retailers. Problems arise with the rising value of land and corporate strategies to minimize risk and seeking low-cost inputs, including the prices paid to farmers.

For centuries, science and technology have played a role in all aspects of the 'total system'. Together, they have improved plant yields, soil condition, animal health, and machine mechanization, including plant-based meat and dairy products. A new paradigm, precision agriculture, now beckons.

TD63/Mc200



Young, S. (2022). *Growing Beans : A Diet for Healthy People and Planet*. Permanent Publications. ISBN 9781856232180

Beans are easy to grow, easy to cook, delicious, nourishing and beneficial for us and the planet.

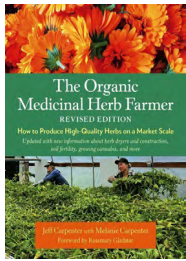
Growing your own beans not only helps you build healthy soil in your garden, it also provides you with a nutrient-rich diet. Beans can play a role in reducing the risk of obesity, diabetes, heart disease and cancer – they are good sources of protein, fibre, folate, iron and potassium – and they can reduce your carbon footprint and food miles as well!

This fascinating book brings together Susan Young's 10 years of experimentation with multiple varieties of beans. She clearly explains how to sow, grow, harvest, dry, store and cook them, and shares her six 'must grow' varieties.

Go on a tasty culinary journey around the world and discover a range of colourful and historic beans, from the pink 'Fagiolo di Lamon' of Italy to the black and white 'Bosnian Pole' bean. Learn which varieties are best for eating fresh from the pod and those which are best for drying and storing for later use.

Beans offer year-round nutritious meals, and dried beans can be the star of the show with their fabulous diversity of flavours, colours and textures.

TD635/Yo913



Carpenter, J., & Carpenter, M. (2023). *The Organic Medicinal Herb Farmer: How to Produce High-Quality Herbs on a Market Scale*. Chelsea Green Publishing. ISBN 9781645021124

In the first edition of *The Organic Medicinal Herb Farmer*, authors Jeff and Melanie Carpenter presented a comprehensive seed-to-bottle guide for aspiring and experienced growers alike, from basic business considerations to planting and propagation to creating value-added products. Now they're back with a revised and updated edition, sharing the lessons they've learned throughout their twenty-five years of operating a medicinal herb farm that prizes quality over quantity.

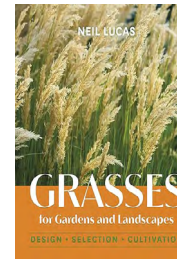
The Carpenters offer their insights and tips on every aspect of herb farming, including:

- Size and scale considerations;
- The herbal marketplace and choosing which herbs to grow;
- Field and bed preparation and planting, including building soil fertility;
- Plant-positive weed, pest, and disease control;
- Harvest and post-harvest processing, including scalable dryer construction;
- Value-added products and marketing;
- A new chapter on growing cannabis;
- And much more!

The Organic Medicinal Herb Farmer is a one-of-a-kind resource, complete with detailed profiles of 50 medicinal herbs and over 200 color photographs. Whether you're looking to grow

an herb farm from the ground up, incorporate medicinal plants on an existing farm, or add tools to your belt as a seasoned grower, you'll find the information you need in this book.

TD631.147/Ca664



Lucas, N. (2023). *Grasses for Gardens and Landscapes: Design, Selection, Cultivation*. Timber Press. ISBN 9781643261157

Ornamental grasses have long been a mainstay of contemporary planting design as integral components of commercial and residential landscapes and naturalistic plantings. In *Grasses for Gardens and Landscapes*, Neil Lucas profiles the best ornamental grasses available today and details how to design with them in different settings. This comprehensive guide is filled with expert maintenance techniques and lists of grasses suitable for a variety of situations. An A to Z of grasses includes details on growth and care, as well as the best cultivars currently available.

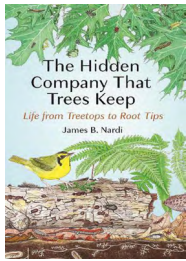
TD635.9/Lu122



Woudstra, J., & Roth, C. (Eds.). (2022). *A History of Groves*. Routledge. ISBN 9781032402093

The grove, a grouping of trees, intentionally cultivated or found growing wild, has a long diverse history entwined with human settlement, rural practices and the culture and politics of cities. A grove can be a memorial, a place of learning, a site of poetic retreat and philosophy or political encampment, a public park or theatre, a place of hidden pleasures, a symbol of a vanished forest ecology, or a place of gods or other spirits. Yet groves are largely absent from our contemporary vocabulary and rarely included in today's landscape practice, whether urban or rural. Groves are both literal and metaphorical manifestations, ways of defining spaces and ecologies in our cultural life. Since they can add meaning to urban forms and ecologies and contribute meaningfully to the significance of place, critical examination is long overdue. The editors have taken care to ensure that the text is accessible to the general reader as well as specialists.

TD635.9/Hi899



Nardi, J.B. (2023). *The Hidden Company That Trees Keep : Life from Treetops to Root Tips*. Princeton University Press. ISBN 9780691237978

You can tell a lot about a tree from the company it keeps. James Nardi guides you through the innermost unseen world that trees share with a wondrous array of creatures. With their elaborate immune responses, trees recruit a host of allies as predators and parasites to defend against uninvited advances from organisms that chew on leaves, drain sap, and bore into wood. Microbial life thrives in the hidden spaces of leaf scales, twigs, and bark while birds, mammals, and insects benefit from the more visible resources trees provide. In return, animals help with pollination, seed dispersal, and recycling of nutrients. *The Hidden Company That Trees Keep* blends marvelous storytelling with beautiful illustrations and the latest science to reveal how the diverse lives of these companions are intertwined with those of their trees.

- Features a wealth of richly detailed drawings accompanied by breathtaking images of microscopic landscapes on leaf, bark, and root surfaces;
- Includes informative fact boxes;
- Draws on new discoveries in biology and natural history;
- Written by one of the world's leading naturalists.

TD630/Na552

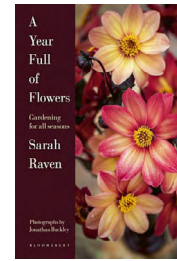


Frei, J. (2023). *Die Haselnuss : Arten, Botanik, Geschichte, Kultur*. AT Verlag. ISBN 9783039021819

Dieses Buch fasst das reichhaltige Wissen rund um die Haselnuss und ihre überraschend vielfältige Kultur, Geschichte und Tradition zusammen.

Die Gemeine Haselnuss, *Corylus avellana*, ist dabei nur eine Art einer formenreichen Gattung, die ein gutes Dutzend Arten, diverse Hybriden sowie Hunderte Sorten umfasst. Dazu zählen vier Baumhaseln, Schnabel-Haseln aus Kalifornien un Japan oder die stachelig gekleidete Tibetische Haselnuss. Erstmals werden alle kultivierten Arten und Hybriden in detaillierten Porträts vorgestellt. So lassen sich auch Exoten wie die Farges Baumhasel oder die Mandschurische Schnabel-Hasel bestimmen.

TD634.1/Fr410

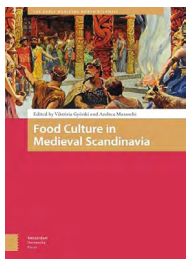


Raven, S. (2021). *A Year Full of Flowers : Gardening for All Seasons*. Bloomsbury Publishing. ISBN 9781526626110

Colour and scent are the hallmarks of Sarah Raven's style – and they are simple luxuries that everyone can bring into their garden.

Tracing the year from January to December at Sarah's home, Perch Hill, *A Year Full of Flowers* offers a complete and transporting account of a garden crafted over decades and shows you how to achieve a space that's full of life and colour.

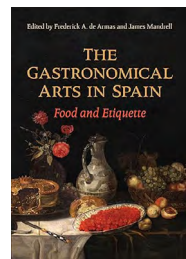
TD635.9/Ra920



Gyönki, V., & Maraschi, A. (Eds.). (2022). *Food Culture in Medieval Scandinavia*. Amsterdam University Press. ISBN 9789462988217

The making, eating, and sharing of food throughout society represents an important and exciting area of study with the potential to advance the field of scholarship, particularly in the context of Scandinavian Studies. This book analyses the historical, legal, and literary sources of the region during the medieval period to explore different aspects of Scandinavian culture relating to food and drink: production, consumption (including feasts), trading (distribution), and the associated social rituals. Using new and innovative approaches, this collection of studies offers broad insights into a great variety of social practices and includes fresh information on not only social history but also traditional topics such as trade, commercial exchange, legal regulation, and political organisation. The book unites contributors from a variety of backgrounds, further enriching the content of a collection that promises to make a significant contribution to the state of current research.

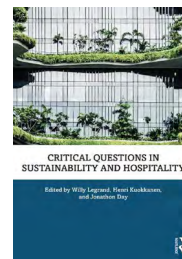
EBSCOhost Ebook Academic Collection



De Armas, F.A., & Mandrell, J. (Eds.). (2022). *The Gastronomical Arts in Spain : Food and Etiquette*. University of Toronto Press. ISBN 9781487540531

The Gastronomical Arts in Spain includes essays that span from the medieval to the contemporary world, providing a taste of the many ways in which the art of gastronomy developed in Spain over time. This collection encompasses a series of cultural objects and a number of interests, ranging from medicine to science, from meals to banquets, and from specific recipes to cookbooks. The contributors consider Spanish cuisine as presented in a variety of texts, including literature, medical and dietary prescriptions, historical documents, cookbooks, and periodicals. They draw on literary texts in their socio-historical context in order to explore concerns related to the production and consumption of food for reasons of hunger, sustenance, health, and even gluttony. Structured into three distinct 'courses' that focus on the history of food-stuffs, food etiquette, and culinary fashion, *The Gastronomical Arts in Spain* brings together the many sights and sounds of the Spanish kitchen throughout the centuries.

EBSCOhost Ebook Academic Collection



Legrand, W., Kuokkanen, H., & Day, J. (Eds.). (2023). *Critical Questions in Sustainability and Hospitality*. Routledge. ISBN 9781032111025

Informed by the scholarly and practical viewpoints of a myriad of internationally recognised experts, this engaging and timely volume poses a set of pertinent questions that cover critical and contemporary sustainability issues in hospitality and tourism and proposes actionable solutions.

Embellished with informative tables, diagrams and photographs, key questions and debates are discussed from a variety of angles with proposed solutions by industry practitioners, academics and consultants belonging to the Hospitality Net World Panel on Sustainability in Hospitality. Designed to facilitate contemporary discussion and debate, this book presents constructive dialogues which are designed to lead to action within the hospitality industry and education.

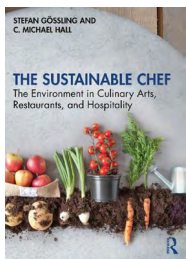
Key questions cover the following topics:

- Major contemporary sustainability challenges – e.g. climate change, biodiversity loss, impacts of pandemics, water scarcity, human right risks;
- Specific hospitality functions or departments – e.g. food and beverage, engineering, health and safety, guest relationship, finance, purchasing, human resources;
- Strategic issues related to marketing and stakeholder relationships – e.g. sustainability

working groups, return on sustainability investment, marketing and reporting sustainability, certification, supplier relationship, engaging guests.

This book is an essential reading for students and academics in the field of hospitality and tourism management, as well as industry professionals searching for answers to the challenges they face in enacting sustainability in their business.

TD640.4/Cr590



Gössling, S., & Hall, C.M. (2022). *The Sustainable Chef: The Environment in Culinary Arts, Restaurants, and Hospitality*. Routledge. ISBN 9781138733732

This book provides the first systematic and accessible text for students of hospitality and the culinary arts that directly addresses how more sustainable restaurants and commercial food services can be achieved.

Food systems receive growing attention because they link various sustainability dimensions. Restaurants are at the heart of these developments, and their decisions to purchase regional foods, or to prepare menus that are healthier and less environmentally problematic, have great influence on food production processes. This book is systematically designed around understanding the inputs and outputs of the commercial kitchen as well as what happens in the restaurant from the perspective of operators, staff and the consumer. The book considers different management approaches and further looks at the role of restaurants, chefs and staff in the wider community and the positive contributions that commercial kitchens can make to promoting sustainable food ways.

Case studies from all over the world illustrate the tools and techniques helping to meet environmental and economic bottom lines. This will be essential reading for all students of hospitality and the culinary arts.

TD640.43/Go764



Wirsam, J., & Leitzmann, C. (2022). *Die Vermessung der Ernährung*. Verlag Eugen Ulmer. ISBN 9783825253929

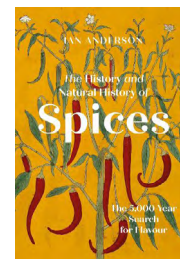
Das erste deutschsprachige Werk, das eine Synthese der unterschiedlichen Daten über die Ernährung bietet!

Das Buch ist in drei Teile gegliedert. Im Kernteil werden die wichtigsten bereits vorliegenden Daten zur Ernährung und zu unseren Lebensmitteln mit Zahlen, Tabellen und Abbildungen dargestellt. Der rote Faden führt von den spezifischen Lebensmitteleigenschaften, ihren Nährstoffgehalten und den ökonomischen Bezugspunkten hin zu aktuellen Aspekten der Bewertung sowie zur Nachhaltigkeit. Der Vergleich der Lebensmittel sowie der Ernährungsformen ergibt Hinweise und Erklärungsansätze dafür, in welchem Ausmaß und mit welcher Geschwindigkeit das weiterhin rasante Wachstum der Weltbevölkerung die begrenzten planetaren Ressourcen beanspruchen wird.

Mit diesem Buch liegt erstmals eine Zusammenstellung, Kommentierung und Berechnung wichtiger Messdaten zur Ernährung vor – neben interessanten Fakten findet sich auch Unerwartetes.

Ideal für das Studium in den Ernährungswissenschaften und der Ökotrophologie, in Gesundheitsfachberufen Tätige sowie alle am Thema Ernährung Interessierte.

TD613.2/Wi810



Anderson, I. (2023). *The History and Natural History of Spices: The 5,000-Year Search for Flavour*. The History Press. ISBN 9781803991566

Humans have crossed the oceans and traversed the unknown in search of spice and flavour for thousands of years. Mustard has been found at Neolithic sites in Iran, Germany and Denmark; the Romans' love affair with black pepper was insatiable; pepper, saffron, cinnamon, ginger, galangal and grains of paradise were ordered in large quantities for Richard III's coronation feast; and vanilla was credited as helping 342 eighteenth-century men become 'astonishing lovers'.

Although the Romans had imported black pepper, and Eastern spices had trickled through to the West for centuries, it was only after Vasco da Gama rounded the Cape that huge quantities of spices were brought back from India and the Far East, starting vicious trade wars between the Portuguese, Dutch and English as they established their colonial empires. Spices came from the West too: when Columbus reached the Americas in the fifteenth century, he brought back chilies to Europe, and from there they spread rapidly across the globe.

The book looks at spices from both a botanical and historical perspective, from their uses and classification to their influence on trade, war and global events. It is the story of how our passion for spices helped to change the world.

TD641.88/An138



Nelson, M. (2021). *Edible Flowers: How, Why, and When We Eat Flowers*. Monacelli Press. ISBN 9781580935715

Bring the vibrant beauty of the garden to your table with this illuminating guide to edible flowers. Introducing more than one hundred blooms that you can consume, this book reveals each plant's Latin name, origins, cultural and culinary history, and notes on flavor. Featuring lush original photography and punctuated by simple recipes and short personal essays by a diverse roster of celebrated chefs, artists, and writers, what's in your hands is both a practical primer and a delightful read.

TD581.6/Ne356



Breward, C., Lemire, B., & Riello, G. (Eds.). (2023). *The Cambridge Global History of Fashion : From Antiquity to the Nineteenth Century* (vol. 1). Cambridge University Press. ISBN 9781108495561

Volume I surveys the long history of fashion from the ancient world to c. 1800. The volume seeks to answer fundamental questions on the origins of fashion, challenging Eurocentric explanations that the emergence of fashion was a European phenomenon and shows instead that fashion found early expressions across the globe well before the age of European colonialism and imperialism. It sheds light on how fashion was experienced in a multitude of ways depending on class, gender, and race, and despite geographical distance, fashion connected populations across the globe. Fashions flowered and were reseeded, through entanglements of empire, forced and voluntary migration, evolving racial systems, burgeoning sea travel and transcontinental systems.

TD687(09)/Ca287



Breward, C., Lemire, B., & Riello, G. (Eds.). (2023). *The Cambridge Global History of Fashion : From the Nineteenth Century to the Present* (vol. 2). Cambridge University Press. ISBN 9781108495554

Volume II surveys the history of fashion from the nineteenth century to the present day. Covering the period beginning with mass production and ending with calls for sustainability, this volume challenges the meaning of modernity and modernism from a global perspective and reflects on important scholarship that has changed our understanding of the relationship between fashion and colonialism. Empires shifted and new powers rose, with fashion marking and contending with this change. The volume concludes with a critical view of fashion and globalisation, and explores the deep connections between the fashion industry, the global economy, and the politics of production and wearing in the contemporary world.

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Achermann, S., & Sigrist, S. (2023). *The Future of Clothing : Will We Wear Suits on Mars?* Bloomsbury Visual Arts. ISBN 9781350138599

Disappearing dress codes, customers as designers and wearable technology; in recent years the production and function of clothing has undergone massive change. New manufacturing technologies have brought bespoke design within reach of many consumers for the first time. Miniature sensors can turn ordinary garments into smart devices. And blurring gender roles and class distinctions point the way towards a more fluid approach to clothing, fashion and design.

The Future of Clothing offers a truly unique guide to the implications of these dramatic shifts in clothing production and function. Consider how mass-personalization impacts the luxury market, the effects of automation on craftsmanship and sustainability, and how artificial intelligence design may affect individual style choices. Academics, entrepreneurs and designers discuss where these technological and societal changes may lead us – predicting everything from an everlasting ‘suit for life’ to smart clothes that will literally open doors for us and pay our bills.

Contributors include best-selling author Yuval Noah Harari, fashion historian, author and broadcaster Amber Butchart, and adventurer, ecologist and head of the Sculpt the Future Foundation David de Rothschild. There are also eight exclusive paintings by Salvador Dali, depicting

ing the surrealist master’s extraordinary vision of how fine tailored clothing might evolve in the 21st century.

TD687/Ac424



Charter, M., Pan, B., & Black, S. (Eds.). (2024). *Accelerating Sustainability in Fashion, Clothing and Textiles*. Routledge. ISBN 9781032225173

The issue of sustainability is characterised as a 'wicked problem' in the fashion, clothing and textiles sector and is now coming into increased focus due to growing consumer, business and policy pressures. This in-depth volume presents a comprehensive overview of the challenges and emerging opportunities faced by the sector, and provides strategic solutions as to how the sector can substantially accelerate sustainability.

This book collates research and industry best practice to provide a 'one-stop shop' exploring the complex and interconnected issues surrounding sustainability in fashion, clothing and textiles. The practical and digestible chapters include innovative examples and perspectives from different regions of the globe, addressing topics from policies to supply chain issues and materials innovation. Five unique case studies of sustainable businesses provide detailed examples of pioneering practice. Edited by three professionals with long-standing knowledge and expertise, the book takes a global perspective with examples that brings together both academic and industry perspectives on the critical areas that require immediate action to move towards a more sustainable fashion, clothing and textile sector.

This is an invaluable resource for those working in the industry, policymakers and for

those in business or academia with an interest in sustainability in fashion, clothing, textiles and related sectors worldwide. It is also relevant to professionals and students in the areas of sustainability, innovation, supply chains, design and development, consultancy, education and training.

TD687/Ac140



Rissanen, T., & McQuillan, H. (2023). *Zero Waste Fashion Design* (2nd ed.). Bloomsbury Visual Arts. ISBN 9781350241862

Zero Waste Fashion Design combines practical examples, flat patterns and more than 20 exercises to help you incorporate this sustainable technique into your portfolio. There are also beautifully illustrated interviews with innovative designers, including Richard Lindqvist, Mary Beth Bentaha and Daniel Desanto to show how sustainable practice continues to evolve within industry.

Industry pioneers, Timo Rissanen and Holly McQuillan, offer flexible strategies and easy-to-master zero waste techniques to help you develop your own cutting-edge fashion designs. This updated edition includes new content on integrating 3D design into a zero waste process, additional coverage of the historical context of zero waste around the world, and expands on the related technique of subtraction cutting to make this the ultimate practical guide to sustainable fashion design.

The Berg Fashion Library
EBSCOhost Ebook Academic Collection



Porter, C. (2023). *Bring No Clothes: Bloomsbury and the Philosophy of Fashion*. Particular Books. ISBN 9780241602751

Why do we wear what we wear? To answer this question, we must go back and unlock the wardrobes of the early 20th Century, when fashion as we know it was born. In this book fashion writer Charlie Porter brings us face to face with six members of the Bloomsbury Group, the collective of artists and thinkers who were in the vanguard of a social and sartorial revolution. Each of them offers fresh insight into the constraints and possibilities of fashion today: from the stifling repression of E.M. Forster's top buttons to the creativity of Vanessa Bell's wayward hems; from the sheer pleasure of Ottoline Morrell's lavish dresses to the clashing self-consciousness of Virginia Woolf's orange stockings. As Porter carefully unpicks what they wore and how they wore it, we see how clothing can be a means of artistic, intellectual and sexual liberation, or, conversely, a tool for patriarchal control. Travelling through libraries, archives, attics and studios, Porter uncovers fresh evidence about his subjects, revealing them in an intimate, new light. And, as he is inspired to begin making his own clothing, his perspective on fashion – and on life – starts to change. In the end, he shows, we should all 'bring no clothes,' embracing a new philosophy of living: one which activates the connections between the way we dress and the way we think, act and love.

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