

Jauniegvumu apskats: Tehnoloģiju & dabaszinātņu izdevumi svešvalodās

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Priekšvārds

Latvijas Nacionālās bibliotēkas Tehnoloģiju un dabaszinātņu lasītavas krājumu papildinājuši izdevumi, kuros to autori pievēršas aktuāliem jautājumiem, kuriem ir nenoliedzama ietekme uz cilvēku.

Ekotoksikoloģijai veltītajos izdevumos (*Ecotoxicology* un *Fundamentals of Ecotoxicology: The Science of Pollution*) lasiet, kā vidē nonākušās vielas ietekmē cilvēka veselību un apkārtējo vidi.

Bērnu un pusaudžu aptaukošanās, ar to saistītās veselības problēmas skaidri norāda uz satraucošu un augošu tendenci sabiedrības veselības jomā. Vairāk par risinājumiem: *Child and Adolescent Obesity: A Practical Approach to Clinical Weight Management*.

Dažādu vingrojumu ietekme uz imūnsistēmu veselības saglabāšanai un pašsajūtas uzlabošanai slimību gadījumos raksturota grāmatā *Exercise Immunology*.

Jautājums par modes industrijas radīto postošo ietekmi uz cilvēku un dabu, aktualizēts izdevumā *The Dangers of Fashion: Towards Ethical and Sustainable Solutions*.

Izvērtējot pārtikas izmaksas, izdevumā *The Real Cost of Cheap Food* izskatīti jautājumi, kas saistīti ar globālo pārtikas sistēmu, vidi, ilgtspējīgu attīstību, veselību u.c., parādot, ka "lētā pārtika" šodien var nozīmēt dārgu pārtiku rīt.

Skatot *Jaunieguvumu apskata* jaunāko numuru, aicinām iepazīties ar šo un citu izdevumu anotācijām. Izdevumi raisīs padziļinātu interesi plašam lasītāju lokam.

Atsauksmes un ierosinājumus lūdzam sūtīt redakcijai: tehnologijas@lnb.lv

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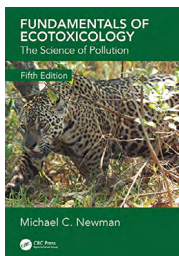
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Abonējiet izdevumu, skenējot QR kodu vai aizpildot *iesniegumu elektroniski*



Newman, M.C. (2020). *Fundamentals of Ecotoxicology: The Science of Pollution* (5th ed.). CRC Press. ISBN 9780815354024

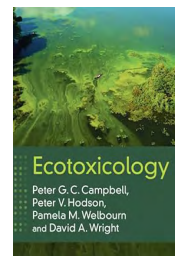
This new edition is revised throughout and includes new and expanded information on natural resource damage assessment, the latest emerging contaminants and issues, and adds new international coverage, including case studies and rules and regulations. The text details key environmental contaminants, explores their fates in the biosphere, and discusses bioaccumulation and the effects of contaminants at increasing levels of ecological organization. Vignettes written by experts illustrate key themes or highlight especially pertinent examples. This edition offers an instructors' solution manual, PowerPoint slides, and supplemental images.

Features:

- Adds all new discussions of natural resource damage assessment concepts and approaches;
- Includes new vignettes written by leading guest authors;
- Draws on materials from 2,500 cited sources, including 400+ new to this edition;
- Adds numerous new entries to a useful glossary of 800+ terms;
- Includes a new appendix discussing Brazilian environmental laws and regulations added to existing appendices outlining U.S., E.U., Chinese, Australian, and Indian environmental laws.

Fundamentals of Ecotoxicology: The Science of Pollution, Fifth Edition, contains a broad overview of ecotoxicology and provides a basic understanding of the field. Designed as a textbook for use in introductory graduate or upper-level undergraduate courses in ecotoxicology, applied ecology, environmental pollution, and environmental science, it can also be used as a general reference for practicing environmental toxicologists.

TD504/Ne950



Campbell, P.G.C., Hodson, P.V., Welbourn, P.M., & Wright, D.A. (2022). *Ecotoxicology*. Cambridge University Press. ISBN 9781108819732

Ecotoxicology offers a comprehensive overview of the science underpinning the recognition and management of environmental contamination. It describes the toxicology of environmental contaminants, the methods used for assessing their toxicity and ecological impacts, and approaches employed to mitigate pollution and ecological health risks globally. Chapters cover the latest advances in research, including genomics, natural toxins, endocrine disruption and the toxicology of radioactive substances. The second half of the book focuses on applications, such as cradle-to-grave effects of selected industries, legal and economic approaches to environmental regulation, ecological risk assessment, and contaminated site remediation. With short capsules written by invited experts, numerous case studies from around the world and further reading lists online, this textbook is designed for advanced undergraduate and graduate one-semester courses. It is also a valuable reference for graduate students and professionals. Online resources for instructors and students are also available.

Key features:

- Presents comprehensive information on all aspects of the toxicology of environmental contaminants, as well as the latest methods for assessing and mitigating pollution and ecological

health risks globally;

- Covers the latest advances in research, with topics including environmental genomics, natural toxins, endocrine disruption, the toxicology of radioactive substances, novel contaminants and complex emerging issues;

- Includes chapters that deal with ecological risk assessment, chemical regulation and ecosystem recovery following contaminated site remediation, to provide pragmatic solutions to environmental management;

- Pedagogical features throughout the text include numerous case studies, short vignettes ('capsules') written by invited experts, and review questions at the end of each chapter to test students' knowledge;

- Written for a global audience, the book provides detailed and up-to-date information on global and regional chemical management and regulation across a range of countries worldwide.

TD504/Ec800



Small, E. (2024). *In Defense of the World's Most Despised Species : Why We Love Some Species but Hate Most, and Why It Matters*. CRC Press. ISBN 9781032536453

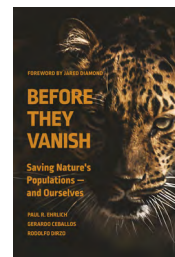
Some animals and plants injure or kill millions of people annually, and others cause trillions of dollars in property damage and loss. Such harmful species are understandably hated. However, the vast majority of the planet's millions of species are disliked simply because of how they look and act. This bias is endangering numerous species that play important roles in maintaining both the natural ecosystems and the human economies of the world. *In Defense of the World's Most Despised Species* examines the psychological motivations that lead people to make judgments about the attractiveness of species, noting the overwhelming importance of visual cues. It describes in considerable detail the physical and behavioral traits of species that lead us to love or hate them. Full color illustrations throughout present beautiful, charming animals and plants, species that seem loathsome, behavior of people in relation to such divergent species and their characteristics, and numerous explanatory diagrams of relevant biological and psychological phenomena. The aim of this book is to give readers insights into how we humans arrive at biased judgments and to promote the welfare of valuable, albeit sometimes unlovable animals and plants that consequently suffer from discrimination. Many of the ugliest, most disgusting, and feared species, such as vultures,

toads, hyenas, sharks, spiders, and even the vast majority of cockroaches, in reality are some of our most valuable friends.

Features:

- Theme of the book – human preferences for and against species – is novel, scarcely examined to date;
- Multidisciplinary analysis, especially psychology, biological conservation science, and ecology, as well as philosophy, agriculture, urban planning, human health, and law;
- Text is accessible, user-friendly, concise, and well-organized, making numerous complex topics comprehensible, readable not only by specialists, but also by students and the educated layperson;
- Includes over 2,000 high-quality, entertaining, and informative color figures.

TD574/Sm150



Ehrlich, P.R., Ceballos, G., & Dirzo, R. (2024). *Before They Vanish : Saving Nature's Populations – and Ourselves*. Johns Hopkins University Press. ISBN 9781421449692

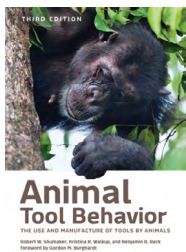
Can we save threatened animals and ecosystems in the midst of a mass extinction? The answer is a resounding yes! *Before They Vanish* shows us how. In this wise and impassioned book, renowned conservation scientists Paul R. Ehrlich, Gerardo Ceballos, and Rodolfo Dirzo urge us to shift our thinking rather than succumb to grief over the losses that humanity faces. This comprehensive look at a crucial but often overlooked aspect of conservation – population extinction, or the loss of a species within a specific geographic location – guides us onto a new, hopeful path.

The authors argue that conservationists have placed too much emphasis on the extinction of entire species, which occurs gradually enough that we only detect it in the direst of cases. At that point, meaningful action may be impossible. By shifting our focus to identifying extinction threats at the more localized population level, we can intervene more rapidly and effectively to prevent broader declines before it's too late. This change in perspective represents a critical step in saving these vanishing species; early detection and intervention may be our last, best hope for stemming the tide of this global crisis.

Using examples from the worlds of vertebrates, invertebrates, plants, fungi, and

microorganisms, the authors explain the concept of population extinction, its causes and consequences, and how to prevent the mass destruction of the amazing and unique creatures with whom we share our planet. This call to action is a must-read for anyone concerned with saving endangered and threatened species, our natural world – and ourselves.

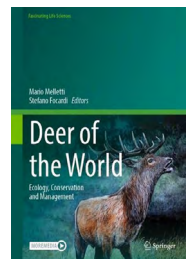
TD502/Eh730



**Shumaker, R.W.,
Walkup, K.R., & Beck,
B.B. (2024). *Animal Tool
Behavior: The Use and
Manufacture of Tools by
Animals* (3rd ed.). Johns
Hopkins University
Press.
ISBN 9781421450292**

This vital third edition of the foundational volume on animal tool behavior provides a thoroughly updated account of the field, featuring a complete catalog of all reported cases of tool use and manufacture in nonhuman animals. Benjamin B. Beck, Robert W. Shumaker, and Kristina R. Walkup have expanded this seminal work to reflect recent research revealing the wide diversity of species engaged in tool use, supported by thousands of references. Grounded in a carefully assessed definition of tool use, the authors discuss classic modes of use alongside those emerging in contemporary scientific literature. The book examines all forms of tool manufacture and addresses common myths about nonhuman tool use. New examples involving invertebrates, birds, fish, and mammals describe the differing levels of sophistication of tool use exhibited by animals.

TD591.5/Sh820



**Melletti, M., & Focardi,
S. (Eds.). (2025). *Deer
of the World: Ecology,
Conservation and
Management*. Springer.
ISBN 9783031177552**

This book is the first comprehensive reference work ever published on the systematics, ecology, conservation status, and management of all the world's deer species.

Covering all 53 deer species worldwide, this volume brings together the contributions of 160 international deer experts and provides:

- A comprehensive overview of the current state of knowledge on the evolution, phylogeny, taxonomy, and systematics of deer;
- An in-depth insight into the ecology and conservation status of each species, with detailed accounts;
- A series of case studies on conservation, management, hunting, farming, disease ecology, and the impact of deer on forest ecosystems.

This beautifully illustrated book is an invaluable resource for researchers, wildlife managers, and students of conservation biology, ecology, and management, as well as the interested layperson. It reveals the fascinating story of deer evolution, the long history of human interactions with deer, and the major threats to this charismatic species group.

TD599/De156



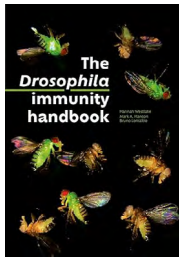
**Nentwig, W., Ansorg, J.,
Cushing, P.E., Kranz-
Baltensperger, Y., &
Kropf, C. (2024). *House
Spiders – Worldwide*.
Springer.
ISBN 9783031704475**

To avoid any misunderstandings: this book is not about spiders as pets, but about those spiders that live in our houses and apartments as lodgers. Mostly ignored and sometimes (wrongly) feared, there is hardly a building in the world that does not harbour some species of spider. What is fascinating is that we always find the same species. These spiders must have special adaptations, because the humidity in our homes is far too low, they are too clean, and the food supply is usually scarce. However, those spiders that have made the leap into our four walls are rewarded with a worldwide right to stay. This, in turn, is due to people's eagerness to trade and migrate worldwide: Humans tirelessly transport their belongings and an endless stream of goods around the world in sacks, parcels and containers. And our domestic spiders, as stowaways, travel just as tirelessly and unrecognized. It is therefore possible to present domestic spiders found throughout the world in a single book, as they are essentially the same everywhere. The 50 or so most important species and species groups are presented here in a generally understandable way, with a detailed profile, photos and distribution maps.

The authors of this book are experts who work at museums, universities and in administration in Europe and North America. They are not

only recognized scientists, but have also been avowed spider fans for decades.

TD595.4/Ho872

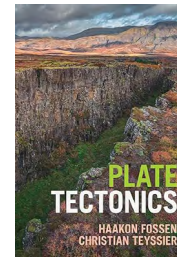


Westlake, H., Hanson, M.A., & Lemaitre, B. (2024). *The Drosophila : Immunity Handbook*. EPFL Press. ISBN 9782889156467

Animals possess efficient mechanisms for detecting and neutralizing infection. The application of *Drosophila* genetics to the study of these mechanisms has generated insights into insect immunity and uncovered general principles of animal host defense. These studies have shown that *Drosophila* has multiple defense “modules” that can be deployed in a coordinated response against distinct pathogens. These include physical barriers such as epithelia and chitin, the production of reactive oxygen species, antimicrobial factors, blood clotting, the melanization reaction, and complex cellular responses. These responses are accompanied by metabolic reprogramming to fuel the immune system and effectively combat pathogens. Recent studies have highlighted additional mechanisms that contribute to host defense, such as symbiont-mediated immunity, disease tolerance mechanisms, and behavioral immunity. These studies reveal broader roles of the immune system beyond infection, notably in disease pathologies such as neurodegeneration or cancer. This remarkable animal model has given us a better understanding of the multiple roles of the immune system at the organismal level. Although it is difficult to summarize the sheer number of studies published on *Drosophila* immunity in recent years, here we aim to provide an overview of recent

research trends, challenges, and discoveries in immunity through the lens of *Drosophila*. We hope that this overview will introduce scientists to the sophisticated fly immune system, draw interest to exciting recent findings in the field, and push new horizons of research by contextualizing existing research and highlighting exciting avenues to explore.

TD595.7/We851



Fossen, H., & Teyssier, C. (2025). *Plate Tectonics*. Cambridge University Press. ISBN 9781108476232

This advanced undergraduate textbook provides a thoroughly modern overview of plate tectonics and is the perfect resource for a capstone course for geology majors. It presents plate tectonics as a multifaceted and interdisciplinary theory that unites many different geological observations and processes into a unique and harmonious model, so that readers grasp how the outer part of our planet works in relation to the deep interior. Supported by clear prose, helpful analogies, and stunning color imagery, readers will gain an in-depth understanding of how and why plates interact to produce different topography, rock assemblages, and deformation features along plate boundaries.

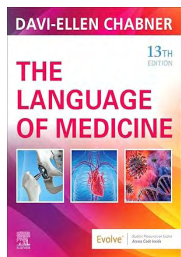
Key features:

- An author pairing renowned for their research, teaching, and textbook-writing experience;
- Comprehensive coverage for a single-semester course without being overwhelming;
- A unifying presentation that synthesizes and connects topics covered earlier in a geoscience curriculum;
- An emphasis on understanding processes and physical fundamentals, with an accessible introduction to quantitative topics;
- Up-to-date scholarship that explores some of the latest research questions in Earth

science;

- A comparison of tectonic processes on Earth with other terrestrial bodies and discussion of the latest evidence and theories for the evolution of tectonics through geologic time;
- Data and imagery from a variety of global settings connecting the theory with geological phenomena seen in the field;
- A spectacular range of color photos, maps, models, and schematics to illustrate important concepts and convey the vibrancy of the topic;
- Student-friendly features that chart clear paths through every chapter, including learning objectives, highlighted statements, focus boxes that explore key concepts, end-of-chapter summaries; review questions, and a glossary.

TD551/Fo800



Chabner, D.-E. (2025). *The Language of Medicine* (13th ed.). Elsevier. ISBN 9780443107795

Centering on learning medical terms by studying them in the context of the human body, this highly praised, bestselling text helps you easily understand and remember important medical terminology by incorporating easy-to-follow explanations, relevant examples, and countless reinforcement exercises. No matter where your career path takes you, Chabner's proven method for med term mastery will prepare you for success.

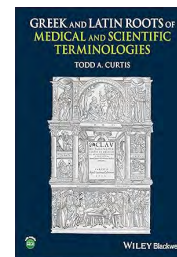
Outstanding features in this edition:

- New! Additional clinical practice exercises incorporate medical terms into a clinical context;
- New! More photos of medical procedures to bring terminology to life;
- New! Updated content on infection control, advances in cardiology, cancer research, and emerging orthopedic treatments;
- New! Timely immunity and vaccine content keeps you up to date on the latest advances;
- Simple, clear, easy-to-understand explanations of terms enable readers with little or no previous medical or science background to easily grasp medical terms and concepts;
- Clinical procedures and lab reports sections show you how terminology is used in health care settings; updated by experts in each specialty to reflect current practice;

- Clear illustrations and brilliant images of anatomy, physiology, and pathology orient readers to the structure and function of the body system, providing the best context for learning the medical terms and helping you learn terminology more easily by understanding how it is used in practice;

- Practical Applications in each chapter (case reports, operative and diagnostic tests, laboratory, and x-ray reports) let you apply knowledge to situations that you will encounter in the clinical environment.

TD61/Ch017



Curtis, T.A. (2025). *Greek and Latin Roots of Medical and Scientific Terminologies*. Wiley Blackwell. ISBN 9781118358634

This unique textbook provides a working knowledge of “med-speak,” the specialized language of medicine and science. Requiring no background in Greek or Latin, students will learn the literal meanings of the Greek and Latin words and word elements that form medico-scientific language by using a linguistic approach to this terminology.

By presenting medical terms in their historical context, the author helps students easily memorize Greek and Latin vocabulary, recognize the meaning of compound terms, and decipher unfamiliar medical nomenclature by applying principles of word analysis, synthesis, and pronunciation.

The chapters are organized around body systems, containing clear explanations of ancient medico-scientific culture, etymological notes, images, and tables of vocabulary. The textbook's accompanying website provides review questions and numerous exercises that will help students to develop a strong understanding of Greek and Latin word elements in a wide variety of medical and scientific contexts.

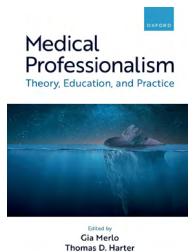
The practical approaches taken in this textbook provide a solid foundation to learning medico-scientific language:

- Teaches the etymologies of Greek and Latin prefixes, suffixes, roots, eponyms, and loan

words;

- Covers the analysis, construction, pronunciation, and spelling of medical terms;
- Addresses the grammatical paradigms used in anatomical Latin;
- Explains how these terms are used in the context of modern medicine, pharmacy, and life sciences;
- Includes a list of common abbreviations and symbols used in medical documentation and scientific writing.

TD61/Cu667



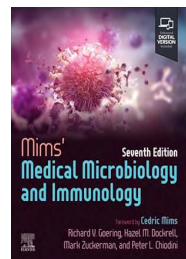
Merlo, G., & Harter, T.D. (Eds.). (2025). *Medical Professionalism: Theory, Education, and Practice*. Oxford University Press. ISBN 9780197640814

The book provides a comprehensive account of three tracks of medical professionalism – the conceptual, the teaching and assessment, and the practical – in a single resource from leading experts in the field. Innovatively it provides new perspectives on topics, such as managing conscientious objections, social media use by physicians, physician resiliency and remediation, health law, and environmental stewardship, that have not previously been addressed specifically through the lens of medical professionalism.

Part A focuses on the definitions, theoretical underpinnings, and scope of medical professionalism. Part B explores different ways to understand and educate for medical professionalism along the continuum of medical practice. Part C assesses various practice issues through the lens of medical professionalism. Finally, Part D assesses organizational issues through the lens of medical professionalism. It includes narrative prologues to each section and a conclusion that assesses how technological innovations in health care create several tensions that the field of medical professionalism will need to address in the future.

This book appeals to academics, medical students, bioethics students, healthcare administrators and managers, physicians, and health care researchers.

TD614/Me081

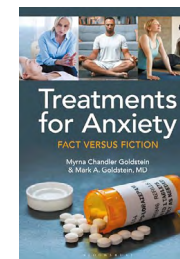


Goering, R.V., Dockrell, H.M., Zuckerman, M., & Chiodini, P.L. (2025). *Mims' Medical Microbiology and Immunology* (7th ed.). Elsevier. ISBN 9780323937252

MIMS' Medical Microbiology and Immunology is loved internationally for its thorough yet easy-to-follow coverage of microbiology, infectious diseases, and immunology as a dynamic interplay between microbes and host. Covering the fundamentals of these closely linked disciplines, MIMS' takes a systems approach to elaborate on epidemiology, clinical presentation, pathogenesis, and diagnostic approaches, as well as treatment and infection control considerations, supplemented by case-based examples.

Complex scientific and clinical concepts are explained clearly and simply with the help of illustrations and a range of accompanying online content. Students will come away with a deep understanding of topics and processes and will return to this book for reference time and again.

- Clear writing and easy-to-understand explanations – perfect for students learning to grasp the fundamentals of both microbiology and immunology;
- User-friendly format with colour coding, key concept boxes, and dynamic illustrations for easy navigation;
- Organized by body system – goes beyond the 'bug parade' to help you understand clinical context;

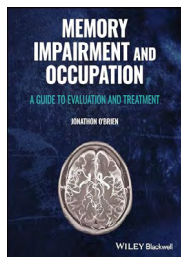


Goldstein, M.C., & Goldstein, M.A. (2024). *Treatments for Anxiety: Fact versus Fiction*. Bloomsbury Academic. ISBN 9781440881022

This book examines 25 well-known and well-studied options for combating anxiety. These include first-line treatments such as benzodiazepines, SSRIs, and cognitive behavioral therapy (CBT), as well as complementary modalities such as animal therapy, exercise, and dietary supplements.

Utilizing a standardized structure, each entry discusses a particular treatment's origins and underlying principles, how and in what contexts it's used, and potential side effects and risks. Summaries of key research studies are included to help readers better understand the scientific community's findings. An introductory essay offers a broad overview of anxiety disorders and explains how these conditions are different from the day-to-day worries all individuals experience. The introduction also highlights different assessment tools clinicians use to gauge the presence and severity of various anxiety disorders. A further readings section at the end of each entry points readers toward additional resources to expand and deepen their knowledge.

TD616.89/Go295



O'Brien, J. (2024). *Memory Impairment and Occupation : A Guide to Evaluation and Treatment*. Wiley Blackwell. ISBN 9781119708865

Memory is among the core components of the human experience. We draw continuously on memory in our everyday lives, facilitating our daily routines and building on our past experiences to improve our future occupational performance.

Memory loss impairs human occupation in myriad ways. *Memory Impairment and Occupation: A Guide to Evaluation and Treatment* is a practical, evidence-based guide that is essential reading for occupational therapists, providing ways forward for those working with memory impaired individuals. There are chapters on concepts of memory, memory development throughout the lifespan, amnesia in traumatic brain injury, dementia and post-traumatic stress disorders, memory impairments in children and adolescents, adults with acquired brain injury, and older people. The book draws on the latest evidence from cognitive neuroscience, while maintaining a consistent focus on the distinct theoretical contributions of occupational therapy and occupational science.

Memory Impairment and Occupation: A Guide to Evaluation and Treatment readers will also find:

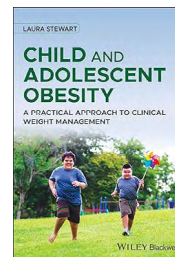
- Points for discussion, case studies, activities and simulation activities that can be used in personal study, in-service training, or university

tutorials and seminars;

- Lucid outlines of relevant neuroanatomy;
- An innovative 'memory checklist' that can be used as part of task analysis when working with people with memory impairments.

Memory Impairment and Occupation: A Guide to Evaluation and Treatment is ideal for occupational therapy clinicians and students concerned with the assessment and treatment of people with memory impairments. It will also be of interest to physicians, psychologists, speech and language therapists, and all those working with this population.

TD612.8/Ob680



Stewart, L. (Ed.). (2024). *Child and Adolescent Obesity : A Practical Approach to Clinical Weight Management*. Wiley Blackwell. ISBN 9781119798842

Childhood obesity and its associated health issues remain major societal concerns across both developed and developing worlds. In the United Kingdom, as many as a quarter of all children starting school are living with obesity, and this prevalence only increases as children and young people age. It has never been more critical for dietitians, nutritionists, and healthcare professionals to understand the mechanisms of childhood obesity and how to tackle this significant public health issue.

Child and Adolescent Obesity offers a comprehensive, practical, evidence-based overview of this subject. Adopting a modern approach, it incorporates global perspectives, including parent interviews, to produce a thorough and rigorous discussion of best practices. Clear and accessible, it is a must-own for all social and healthcare professionals working with children and adolescents.

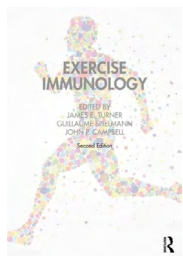
Readers will also find:

- In-depth discussion of the building blocks of successful programmes;
- Detailed discussion of topics including physical activity, family mealtimes, the whole systems approach, and more;
- Guidelines for communicating key concepts related to obesity management with policymakers, senior managers, commissioners,

and the general public.

Child and Adolescent Obesity is ideal for dietitians, nutritionists, health and social care professionals, and students and trainees for these professions.

TD616-053.2/Ch580



Turner, J.E., Spielmann, G., & Campbell, J.P. (Eds.). (2025). *Exercise Immunology* (2nd ed.). Routledge. ISBN 9781032189161

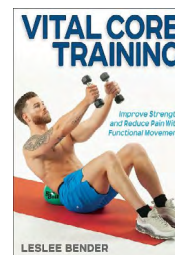
Exercise immunology is a discipline at the nexus of exercise physiology and immunology that aims to characterise the effects of exercise on the immune system in health and disease. This new edition of *Exercise Immunology* begins by providing an evidence based introduction to the effects that individual bouts of exercise and exercise training have on the characteristics and functioning of the immune system.

In addition to introducing the immune system and summarising how different forms of exercise affect the characteristics and functioning of the immune system, this new and fully revised edition will explore exercise immunology in the context of immune ageing, cancer, autoimmune diseases and cardiometabolic disease. In addition, the authors discuss other factors that impact immune health, such as nutrition and environmental stressors, and explain the physiological basis of how exercise changes immune function across the healthspan and lifespan.

This book is written by leading exercise immunologists and is structured to provide a suggested curriculum of an exercise immunology degree component. Every chapter includes summaries of current and up-to-date research and offers practical guidelines to translate laboratory-based information into clinical settings. This textbook is essential for any exercise immunol-

ogy degree component or advanced exercise physiology degree and will be vital reading for students in exercise and biological sciences and clinicians and researchers interested in the therapeutic applications of exercise.

TD796:61/Ex300



Bender, L. (2025). *Vital Core Training : Improve Strength and Reduce Pain with Functional Movement*. Human Kinetics. ISBN 9781718223745

Vital Core Training is more than just another core training book; it is an indispensable resource with insights and strategies that will empower you to better assess clients' needs, enhance program design, and implement an innovative training approach, using myofascial lengthening and release techniques and functional exercises, that will yield profound results for individuals and groups of all ages and abilities.

Written by Leslee Bender – the creator of the Bender Ball™, a former IDEA Personal Trainer of the Year, and a 40-year veteran in the fitness industry – this comprehensive guide helps you teach clients how to decrease pain, build strength, enhance mobility, boost flexibility, improve balance, and optimize everyday function.

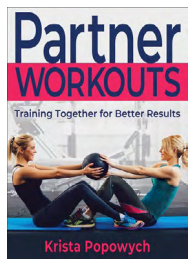
Vital Core Training explains the how, why, and when of 78 exercises and stretches, most requiring no equipment other than a small ball, making them accessible and effective for strengthening the core while protecting the back. With step-by-step instructions and detailed photos, you'll learn how to adjust techniques for various fitness levels and incorporate the exercises into client programming.

You will also find 11 workouts; each can be used as is or customized to specific needs or goals.

- Core essentials workouts for beginning, intermediate, and advanced clients;
- Targeted workouts for maintaining everyday function, improving posture and back health, and addressing alignment dysfunctions;
- Workouts for popular rotational sports: pickleball, tennis, and golf.

Vital Core Training offers an evidence-based approach to core work that equips fitness professionals and movement specialists with the tools to help clients move efficiently, safely, and without pain.

TD796.015/Be382



Popowych, K. (2022). *Partner Workouts : Training Together for Better Results*. Human Kinetics. ISBN 9781718200401

Encouragement, motivation, friendly competition, and accountability are just a few of the many benefits of working out with a partner. And there is no doubt that partner workouts produce results. But success requires more than just pairing up. You need the *right* partner, the best exercises, and proven programs to achieve and maintain your goals. You need *Partner Workouts*.

Partner Workouts provides information that is in-depth, but practical, for getting the most out of your workouts. You'll learn the various types of partner workouts, their benefits, and the important elements that go into each:

- Identifying a suitable partner;
- Establishing realistic fitness goals;
- Selecting the most effective exercises;
- Modifying exercises for differences in

partner fitness levels, strength, and size;

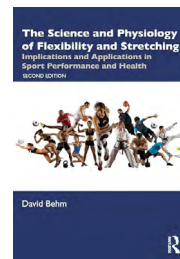
- Selecting the best workouts based on fitness goals, equipment, and schedule;
- Establishing a long-term routine to maintain the goals you've reached.

Partner Workouts features nearly 100 exercises and stretches, each accompanied by detailed color photos, step-by-step instructions, equipment recommendations, partner positioning and movement tips, and suggestions for increasing or decreasing intensity. You will also find 15 ready-to-use workouts – including cardio,

strength, bodyweight, and high-intensity interval training – that can be used as is or tailored to specific needs and goals.

If you are ready to get more out of your workouts, look no further than *Partner Workouts*. You – and your partner – will be glad you did.

TD796.035/Pe587



Behm, D. (2025). *The Science and Physiology of Flexibility and Stretching : Implications and Applications in Sport Performance and Health* (2nd ed.). Routledge. ISBN 9781032709079

The Science and Physiology of Flexibility and Stretching is the most up-to-date and comprehensive book to cover the underlying physiology and psychology of flexibility enhancing techniques, critically assessing why, when, and how we should stretch, as well as offering a highly illustrated, practical guide to stretching exercises. This fully revised new edition not only updates the present information but adds new chapters on areas that have attracted substantial interest in the last 5 years such as foam rolling, vibration, global effects of stretching, alternative methods to increase flexibility (e.g., resistance training) and others.

Richly illustrated, and including an online resource, *The Science and Physiology of Flexibility and Stretching* provides an important scientific inquiry into stretching as well as other flexibility enhancing techniques (e.g., foam rolling, vibration, resistance training, and others) and an invaluable reference for any strength and conditioning coach or student, personal trainer, sports coach, or exercise scientist.

TD796.035/Be143



Webb, T., Hancock, D.J., Phillips, P., & Tingle, J.K. (Eds.). (2025). *Managing and Developing Sports Officials : Officiating Excellence*. Routledge. ISBN 9781032442020

This book offers an evidence-based guide to the development, management, and retention of sports officials. Drawing on research at all levels of sport, from grassroots to professional, this book focuses on best practices for sports officials and for anybody involved in the management or training of sports officials.

This book is divided into three parts. The first takes a close look at who sports officials are, their motivations, and the formal and informal organizational relationships that define an official's position in sport. The second examines the factors that can keep an official engaged in their sport, from building healthy cultures and good physical preparation to mentoring and mental health. The final part looks at the development of officials to elite level, including effective communication, improving decision-making, interpreting rules and laws, and career pathways. With case studies, real-life examples, and the voices of practicing officials included throughout this book, it introduces core concepts and best practices applicable across sports and different national and international contexts.

This is an essential reference for all sports officials and for practitioners and policymakers working in sports organizations at all levels.

TD796/Ma451



Lalvani, H. (2023). *Coding, Shaping, Making : Experiments in Form and Form-Making*. Routledge. ISBN 9780367638795

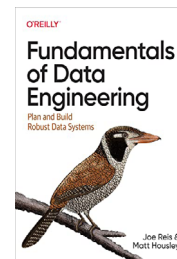
Coding, Shaping, Making combines inspiration from architecture, mathematics, biology, chemistry, physics and computation to look towards the future of architecture, design and art. It presents ongoing experiments in the search for fundamental principles of form and form-making in nature so that we can better inform our own built environment.

In the coming decades, matter will become encoded with shape information so that it shapes itself, as happens in biology. Physical objects, shaped by forces as well, will begin to design themselves based on information encoded in matter they are made of. This knowledge will be scaled and trickled up to architecture. Consequently, architecture will begin to design itself and the role of the architect will need re-defining. This heavily illustrated book highlights Haresh Lalvani's efforts towards this speculative future through experiments in form and form-making, including his work in developing a new approach to shape coding, exploring higher dimensional geometry for designing physical structures and organizing form in higher-dimensional diagrams. Taking an in-depth look at Lalvani's pioneering experiments of mass customization in industrial products in architecture, combined with his idea of a form continuum, this book argues for the need for integration of

coding, shaping and making in future technologies into one seamless process.

Drawing together decades of research, this book will be a thought-provoking read for architecture professionals and students, especially those interested in the future of the discipline as it relates to mathematics, science, technology and art. It will also interest those in the latter fields for its broader implications.

TD624/La308



Reis, J., & Housley, M. (2022). *Fundamentals of Data Engineering : Plan and Build Robust Data Systems*. O'Reilly Media. ISBN 9781098108304

Data engineering has grown rapidly in the past decade, leaving many software engineers, data scientists, and analysts looking for a comprehensive view of this practice. With this book, you'll learn how to plan and build systems to serve the needs of your organization and customers by evaluating the best technologies available through the framework of the data engineering lifecycle.

Authors walk you through the data engineering lifecycle and show you how to stitch together a variety of cloud technologies to serve the needs of downstream data consumers. You'll understand how to apply the concepts of data generation, ingestion, orchestration, transformation, storage, and governance that are critical in any data environment regardless of the underlying technology.

This book will help you:

- Get a concise overview of the entire data engineering landscape;
- Assess data engineering problems using an end-to-end framework of best practices;
- Cut through marketing hype when choosing data technologies, architecture, and processes;
- Use the data engineering lifecycle to design and build a robust architecture;
- Incorporate data governance and security across the data engineering lifecycle.

TD004.6/Re410

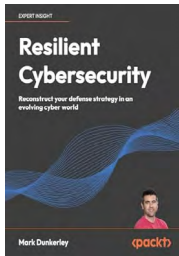


Edmonds, J. (2024). *How to Think about Algorithms* (2nd ed.). Cambridge University Press. ISBN 9781009302135

Understand algorithms and their design with this revised student-friendly textbook. Unlike other algorithms books, this one is approachable, the methods it explains are straightforward, and the insights it provides are numerous and valuable. Without grinding through lots of formal proof, students will benefit from step-by-step methods for developing algorithms, expert guidance on common pitfalls, and an appreciation of the bigger picture.

Revised and updated, this second edition includes a new chapter on machine learning algorithms, and concise key concept summaries at the end of each part for quick reference. Also new to this edition are more than 150 new exercises: selected solutions are included to let students check their progress, while a full solutions manual is available online for instructors. No other text explains complex topics such as loop invariants as clearly, helping students to think abstractly and preparing them for creating their own innovative ways to solve problems.

TD004.021/Ed730



Dunkerley, M. (2024). *Resilient Cybersecurity : Reconstruct Your Defense Strategy in an Evolving Cyber World*. Packt Publishing. ISBN 9781835462515

Resilient Cybersecurity addresses the current challenges and knowledge gaps in cybersecurity, empowering individuals and organizations to navigate the digital landscape securely and effectively. Readers will gain insights into the current state of the cybersecurity landscape, understanding the evolving threats and the challenges posed by skill shortages in the field.

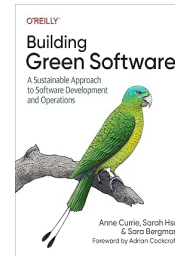
This book emphasizes the importance of prioritizing well-being within the cybersecurity profession, addressing a concern often overlooked in the industry. You will construct a cybersecurity program that encompasses architecture, identity and access management, security operations, vulnerability management, vendor risk management, and cybersecurity awareness. The book dives deep into managing Operational Technology (OT) and the Internet of Things (IoT), equipping readers with the knowledge and strategies to secure these critical areas.

You will also explore the critical components of Governance, Risk, and Compliance (GRC) within cybersecurity programs, focusing on the oversight and management of these functions. This book provides practical insights, strategies, and knowledge to help organizations build and enhance their cybersecurity programs, ultimately safeguarding against evolving threats in today's digital landscape.

Things you will learn:

- Build and define a cybersecurity program foundation;
- Discover the importance of why an architecture program is needed within cybersecurity;
- Learn the importance of Zero Trust Architecture;
- Learn what modern identity is and how to achieve it;
- Review the importance of why a GRC program is needed;
- Understand the importance of why a thorough vendor risk management program is needed;
- Build a comprehensive user awareness, training, and testing program for your users;
- Review what is involved in a mature Security Operations Center;
- Gain a thorough understanding of everything involved in regulation and compliance.

TD004.056/Du616



Currie, A., Hsu, S., & Bergman, S. (2024). *Building Green Software : A Sustainable Approach to Software Development and Operations*. O'Reilly Media. ISBN 9781098150624

How will software development and operations change to meet the sustainability and green needs of the planet? And what does that imply for development organizations? In this eye-opening book, sustainable software advocates Anne Currie, Sarah Hsu, and Sara Bergman provide a unique overview of this topic – discussing everything from the likely evolution of national grids to the effect development and operations changes will have on the day-to-day lives of developers.

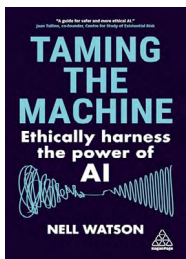
Ideal for everyone from new developers to CTOs, *Building Green Software* tackles the challenges involved and shows you how to build, host, and operate code in a way that's not only better for the planet but also cheaper for your business. Most hyperscale public cloud providers have already committed to net-zero IT operations by 2030. This book shows you how to get on board.

You'll explore:

- How the energy transition is likely to change hosting on premises and in the cloud and how your company can prepare;
- The fundamental architectural principles of sustainable software development and how to apply them;
- How to determine which parts of your system need to change;

• The concept of extending hardware longevity and the part that software plays.

TD004.4/Cu645



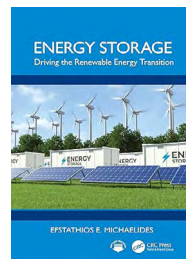
Watson, N. (2024). *Taming the Machine : Ethically Harness the Power of AI*. Kogan Page. ISBN 9781398614321

AI promises to transform our world, supercharging productivity and driving new innovations. But it also threatens the future of our jobs, privacy and wellbeing.

In this groundbreaking book, leading tech ethicist Nell Watson delves into the principles and human elements of AI, uncovering how this technology will redefine business and society as we know it.

Encompassing vital topics such as bias, privacy, transparency and VR, *Taming the Machine* arms you with the insights and confidence you need to harness AI in a responsible and ethical way.

TD004.8/Wa908



Michaelides, E.E. (2025). *Energy Storage : Driving the Renewable Energy Transition*. CRC Press. ISBN 9781032460956

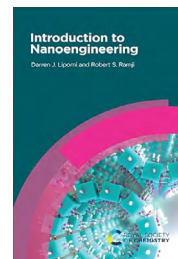
Energy Storage: Driving the Renewable Energy Transition provides a thorough and holistic understanding of the operation and state of technology of all the energy storage options. It encompasses all the methods for energy storage, the engineering systems utilized, and the relevant applications from the small device level to the electricity grid level.

Using the basis of thermodynamics, the book explains the operation and features of all the available energy storage methods that may be used for the transition to renewable energy. It describes the several types of energy storage options available, their advantages and disadvantages, and their practical applications. The book includes a large number of numerical examples to build a deeper understanding of the operation of actual energy storage systems and enable the reader to perform quantitative analyses and feasibility studies.

The book is intended for undergraduate and graduate students taking courses in Energy Conversion, Sustainability, Renewables and Energy Storage, and Energy Transition.

End-of-chapter problems, exercises, and solved examples are included. A Solutions Manual and Figure Slides are available to adopting instructors as online Support Material.

TD620.92/Mi032



Lipomi, D.J., & Ramji, R.S. (2024). *Introduction to Nanoengineering*. Royal Society of Chemistry. ISBN 9781837672110

This book provides a foundation in the burgeoning field of nanoengineering. That is, the exploitation (for the benefit of society) of materials and physical effects that occur on the scale of 1 to 100 nanometers.

With an emphasis on the effects of size confinement and the forces which arise between molecules, nanoparticles, and surfaces, the book includes chapters on light-matter interactions (especially of metallic and semiconducting nanocrystals), organic nanostructures, lithography and nanomanufacturing, methods of spectroscopy and visualization, and applications in energy, environmental science, and human health.

Written by Darren Lipomi PhD, a Professor of Nanoengineering at UC San Diego, along with Robert Ramji, the book is written in an engaging, jargon-free style. Its use of video supplements and cache of 150 solved problems meets students' needs regardless of their background of prior courses, yet it contains sufficient depth to satisfy the most curious beginners to the subject.

The approach follows the model of teaching from the top down. That is to provide a framework of concepts into which the content of future courses on nanoengineering, nanotechnology, or nanoscience will fit. The text also

provides an inviting introduction to the field for students in chemistry, physics, biology, and a broad range of engineering disciplines.

TD620.3/Li677



Sharma, S. (2024). *Drone Development from Concept to Flight: Design, Assemble, and Discover the Applications of Unmanned Aerial Vehicles*. Packt Publishing. ISBN 9781837633005

Unlock opportunities in the growing UAV market where drones are revolutionizing diverse sectors such as agriculture, surveying, and the military. This book walks you through the complete drone development life cycle, from concept to pilot stage, prototyping, and ultimately, a market-ready product, with domain-specific applications.

Starting with an introduction to unmanned systems, principles of drone flight, and its motion in 3D space, this book shows you how to design a propulsion system tailored to your drone's needs. You'll then get hands on with the entire drone assembly process, covering the airframe, components, and wiring. Next, you'll enhance drone connectivity and navigation with communication devices, such as RFD900, Herelink, and H-16 Pro GCS, and hardware protocols such as I2C and UART. The book also guides you in using the open source flight software ArduPilot and PX4, along with firmware architecture and PID tuning for advanced control. Additionally, you'll go learn about AeroGCS, Mission Planner, and UGCS ground control stations, tips for your maiden flight, and log analysis for optimizing performance while building a custom survey drone with a 60-minute endurance, 10 km range, live video feed, and photography options.

By the end of this book, you'll be equipped

with all you need to build and fly your own drones and UAVs.

What you will learn:

- Explore the design principles for multi-copter flight and its physics of motion;
- Grasp terminologies associated with UAV flight systems;
- Gain an in-depth understanding of power trail, communication, and propulsion of a drone;
- Study IMUs and sensors in flight controllers, and protocols such as I2C, SPI, and MAVLink;
- Familiarize yourself with open source drone flight stacks and ground control station software;
- Understand the control law used in multi-copter and the basics of PIDs;
- Delve into modes of flying with remote controllers and analysis of flight logs.

TD629-519/Sh170



Sweatman, P. (2025). *Approaches to Road Safety: Evolution, Challenges, and Emerging Technologies*. CRC Press. ISBN 9781032769080

Road transport is on a constant course to maintain and improve driving safety in what is a complex process involving multiple forms of risk. It is time for embracing system technologies that give more meaning to the philosophical phrase "safe system" and *Approaches to Road Safety: Evolution, Challenges, and Emerging Technologies* makes the case for the adoption of safer systems in road transport industries through the embracing of technological paradigms, system attributes and more clearly articulated values.

This book offers an account of the professional road safety enterprise in action in the United States, Australia and elsewhere, covering the contributions of Haddon in the 1960s, the creation of NHTSA, the development of the science of human factors, the enduring philosophy of countermeasures to motor vehicle crashes, motor vehicle safety regulations, occupant restraint and protection, collision avoidance, road and traffic design, driver assistance systems, pre-crash scenarios and vulnerable road users. It addresses the harm caused by roadway collisions, including the strategies of Vision Zero and the safe system. It places the enterprise of road safety within the greater system of road vehicle transportation. It also covers ethical preoccupations besides safety, including the rise of sustainability and its operational challenges, including uneven

professionalism. Automation and the rise of driverless vehicles are discussed with these being described as a useful long-term change-agent in transportation systems. The important paradigm of connected vehicles and infrastructure is also described, along with the under-utilized science of human factors. The reader is exposed to a nuanced look at the world of road transport safety through its beginnings to the modern age of automation, allowing them to have a contextualized view of the subject area.

Offering valuable insights, this book will appeal to professionals in the fields of safety, human factors, the automotive industry, traffic control, vehicle standards and regulations, transportation systems and road safety policy.

TD629.3/Sw240



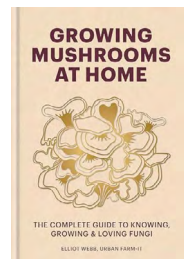
Caley, L.M. (2024). *Project Mushroom: A Modern Guide to Growing Fungi*. Frances Lincoln. ISBN 9780711289079

Why grow mushrooms? They can be grown all year round; they grow quickly; they're super low-maintenance; and they taste delicious! Not to mention their medicinal properties and environmental benefits. Yet, they remain mysterious: this book challenges that.

Project Mushroom offers over 30 simple projects that will inspire you to grow mushrooms at home. Learn the basic growing techniques; discover how to 'garden' with mushrooms; experiment with unique and beautiful mushroom displays; and prepare mushrooms for the pantry.

Including everything you need to know to get started, as well as a directory of popular mushrooms for cultivating indoors and out, this book will inspire you to get growing.

TD635.8/Ca195



Webb, E. (2024). *Growing Mushrooms at Home: The Complete Guide to Knowing, Growing and Loving Fungi*. Kyle Books. ISBN 9781804191958

Looking for something quick and easy to grow, that doesn't take up much space and offers numerous health benefits? Then mushrooms are the perfect choice!

Growing Mushrooms at Home has everything you need to know, from key equipment and step-by-step growing guides all the way to turning your harvest into teas, coffees and tinctures. These methods can be used for many varieties – including shiitake, lion's mane, wine cap and oyster – and multiple types of container, from buckets and bags to outdoor beds and logs.

Alongside the essential growing knowledge, the many surprising and important connections between humans, nature and fungi – past, present and future – are revealed. It's time to uncover the weird and wonderful world of mushrooms, and everything they have to offer.

TD635.8/We030



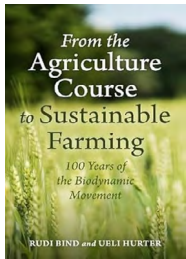
Deshpande, A.B., Estrela, V.V., & Khan, A. (Eds.). (2025). *Intelligent Designs, Innovations and Sustainability in Agriculture 4.0*. CRC Press. ISBN 9781032462592

Feeding an expanding population in light of environmental preservation and keeping production lean is a considerable challenge. Sustainable and Precise Agriculture relying on Industry 4.0 (Agri4) points toward creating strategic collaborations, innovations, and alternative solutions from other expertise domains. It requires intensive efforts from governments, investors, investigators, and developers. These initiatives address many problems while connecting more agrarians and their communities. Agri4 entails key agribusiness developments, viz. precision agriculture, biotech, IoT, and Big Data, to augment efficiency in dealing with growing population and climate change. Agri4 is likely to yield improvements such as sustainable practices education, environmental residue reduction, seed improvement, and traditional agricultural knowledge usage, among others. It promotes sustainable food production, community development, and scientific literacy by fostering effective natural resource administration.

This book explores the transformative impact of Agriculture 4.0, guiding readers through the integration of digital technologies and sustainable practices into modern farming. It discusses how innovations like AI and the IoT are revolutionizing agriculture, enhancing connec-

tivity, precision, and ecological awareness. The intended readers of the book include agricultural professionals, researchers, tech innovators, policymakers, and students. It caters to those interested in the convergence of modern technology and farming, particularly in advancing sustainable practices and understanding the future of agriculture in the digital age.

TD63/In720



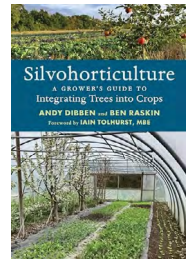
Bind, R., & Hurter, U. (2025). *From the Agriculture Course to Sustainable Farming : 100 Years of the Biodynamic Movement.* Floris Books. ISBN 9781782509424

Today, biodynamics is a worldwide movement, practised in over fifty countries, but where did it begin and how did it come to have such an impact?

This fascinating book traces the history and development of the biodynamic movement in its first one hundred years. It begins by examining the roots of the movement in the Agriculture Course given by Rudolf Steiner in 1924, and goes on to describe specific initiatives such as community-supported agriculture, the creation of seed banks, and the campaign against chemical pesticides and artificial fertilisers.

This book will be of interest to anyone who wants to understand the origins of biodynamic agriculture and its continuing impact on the world.

TD631.147/Bi560



Dibben, A., & Raskin, B. (2025). *Silvohorticulture : A Grower's Guide to Integrating Trees into Crops.* Chelsea Green Publishing. ISBN 9781915294364

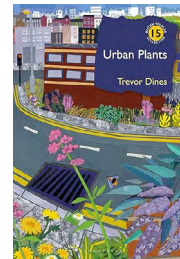
An invaluable handbook for farmers, growers and gardeners, *Silvohorticulture* is the first book to offer a detailed, practical guide on how to integrate trees with vegetable growing, presenting information previously known only to those in the foresting world.

Expert growers Andy Dibben and Ben Raskin bring together their long experiences in commercial crop production alongside designing and managing agroforestry systems in this groundbreaking exploration of the crucial interaction between trees and crops.

They explore the incredible benefits of trees for edible crops and the potential for additional crops from trees, plus vital new information on how to fit trees into complex crop rotations and manipulate access to light. Andy and Ben also discuss the latest research on how tree roots behave and, importantly, how that impacts your crops.

Agroforestry can bring immense benefits to farmers and growers – not just optimising yield, but also improving soil, managing pests and water, increasing biodiversity and reducing costs. System design must be customised to each grower's requirements, and *Silvohorticulture* offers step-by-step detail that will allow you to manage your trees and crops successfully.

TD631.5/Di083



Dines, T. (2025). *Urban Plants.* Bloomsbury Wildlife. ISBN 9781399407496

Threatened by heat, drought, pollution and herbicides, urban plants face huge challenges to survive. Those that are able to cope in the harsh and uncompromising built environment form diverse and ever-evolving communities, with native species joined by intrepid arrivals from around the world. In *Urban Plants*, botanist and conservationist Trevor Dines takes the reader on a walk through the streets for a closer look at the habitats around us and the species they sustain. Drawing on historical research and the latest scientific studies, he explores how our villages, towns and cities have changed over time – from Roman Britain and the first cities, to reconstruction after World War II – and the resulting variation that exists in our flora today, including famous urbanities such as Buddleja and Oxford Ragwort as well as the surprising newcomers colonising our streets. Trevor also considers what the future holds for our urban plants: the impacts of invasive species, herbicides and climate change, and the concept of urban rewilding.

Illustrated with more than 350 photographs as well as maps, diagrams and text boxes exploring key urban species and habitats, this is a fascinating deep dive into the biology, ecology and cultural impact of the plants that set up home alongside us.

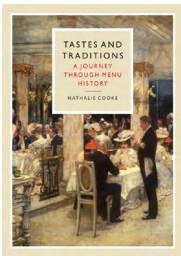
TD63:711.4/Di625



Jeffery, M. (2024). *The Kew Gardener's Guide to Growing Alpines : The Art and Science to Grow with Confidence.* Frances Lincoln. ISBN 9780711290440

You too can now grow alpines of all shapes and sizes – just follow the wisdom and guidance of Kew Gardens' expert Matthew Jeffery. Colourful and petite, alpines are perfect for pots, balconies and even outdoor windowsills. By combining the authority and expertise of the Royal Botanic Gardens, Kew, with beautiful artworks and practical information, the *Kew Gardener's Guide to Growing Alpines* will prove invaluable for enthusiasts and beginners alike. As well as extensive tips on general alpine cultivation, it is packed with individually tailored advice on more than sixty different alpines. There are also twelve easy-to-follow projects to inspire you.

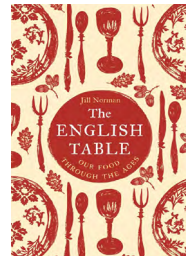
TD635.92/Je230



Cooke, N. (2025). *Tastes and Traditions: A Journey through Menu History*. Reaktion Books. ISBN 9781836390671

Menus are invaluable snapshots of the food consumed at specific moments in time and place. *Tastes and Traditions: A Journey through Menu History* provides glimpses into the meals enjoyed by royalty and rogues, and by those celebrating special occasions or sampling new culinary sensations. It describes food prepared for the great and the good, meals served during sieges and tablescapes immortalized in art. It explores how menus entertain adults, link food with play for children, reflect changing notions of health and highlight the enduring human need to make meals meaningful. Lavishly illustrated, this book offers an engaging exploration of why menus matter and the stories they tell, appealing to food lovers and general readers, as well as professionals in the food industry.

TD642/Co522



Norman, J. (2024). *The English Table: Our Food through the Ages*. Reaktion Books. ISBN 9781789149333

The English Table is a delectable journey through the culinary history of England, from ancient times to the present day. Jill Norman sheds light on the evolution of English cuisine, which essentially was the food of the rich – the poor had to manage as best they could until the twentieth century. Unveiling the secrets hidden in period cookery books, from the earliest known scroll of recipes – the fourteenth-century *Forme of Cury* – to modern classics such as Jane Grigson's *English Food*, each chapter of this book is a culinary time capsule. Enriched with historical context, *The English Table* features carefully curated recipes from each era, offering a mouth-watering glimpse into the flavours that have shaped English culinary heritage.

TD641.568/No462



Carolan, M.S. (2025). *The Real Cost of Cheap Food* (3rd ed.). Routledge. ISBN 9781032567341

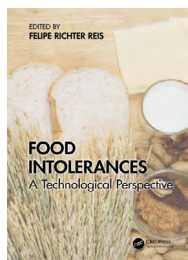
This thought-provoking, accessible book critically examines the dominant food regime on its own terms, by seriously asking whether we can afford cheap food and by exploring what exactly cheap food affords us.

The author shows why today's global food system produces just the opposite of what it promises. The food produced under this regime is in fact exceedingly expensive. Many of these costs will be paid for in other ways or by future generations and cheap food today may mean expensive food tomorrow. By systematically assessing these costs the book delves into issues related, but not limited to, the food system, the environment, sustainable development, health, and social justice. In this new edition the author brings all data and citations fully up to date. Increased coverage is given to many topics including climate change, vertical agriculture, global pandemics, geopolitical instability, agriculture 4.0, alternative proteins, and food justice. Detailing the numerous ways that our understanding of food has narrowed, such as its price per ounce, combination of nutrients, yield per acre, or calories, the book argues for a more contextual view of food when debating its affordability. Expanding an innovation introduced in the second edition, concrete case studies of collective mobilization can be found throughout

all chapters to support a narrative that balances being critical with being hopeful.

This book is essential reading for those interested in critical food studies, food and agriculture, and a sustainable and socially just food system.

TD664/Ca645



Richter Reis, F. (Ed.). (2025). *Food Intolerances : A Technological Perspective*. CRC Press. ISBN 9781032495781

While modern food production has become increasingly efficient in providing a wide range of convenient and affordable products, individuals struggling with gluten intolerance, FODMAP intolerance, and intolerance to food additives are an exception when their health conditions limit the foods they can safely eat. Food intolerances, usually dealt with from a health perspective, also have technological aspects, especially as one takes into consideration that foods designed for individuals with food intolerances require specific ingredients, formulations, and processing conditions.

Food Intolerances: A Technological Perspective addresses the health and food science aspects of food intolerances from a technological perspective, which is rarely considered in other books. Valuable data on products and production processes for designing foods for people who have food intolerances are presented in a way that various types of food industries can benefit from.

Key features:

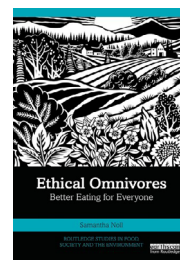
- Compiles health and food science aspects of food intolerances in a single location;
- Addresses clean label food products and links them to food additive intolerances;
- Discusses the mechanisms behind the changes in food product quality after ingredient

substitution and compound removal in gluten-free, low-FODMAP, and clean label products;

- Provides perspectives and future trends in the development of food products for people who have food intolerances.

A compilation of research from prominent medical doctors and PhDs in food science from around the world, this book is helpful for food science students and industry professionals alike.

TD664/Fo440

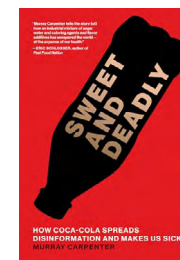


Noll, S. (2025). *Ethical Omnivores : Better Eating for Everyone*. Routledge. ISBN 9781032104041

This book provides an overview of ethical omnivorism, as well as the philosophical foundations of this movement and diet. Many eaters are concerned about the impact that their food choices have on the environment, animals, and human health. Ethical omnivorism is at once a new food ethic, diet, and global movement aimed at providing a flexible path for eaters committed to bringing about lasting change one meal at a time. While publications in food ethics are largely dominated by vegetarian titles, this book explores the viability of omnivorism, a dietary choice which is not devoid of animal products, but one which embraces eating local, eating organic, and eating humanely raised food products. In doing so, this diet builds on the local food movement's desire to know where food comes from and stresses the importance of maintaining high animal welfare and environmental standards. Overall, this book provides a foundational overview of ethical omnivorism as a food movement and guidance for those interested in eating ethically, while recognizing that many factors influence dietary choices.

This book will be of great interest to students and scholars of food studies, food, agriculture and animal ethics, environmental philosophy, and those more widely interested in making ethical food choices.

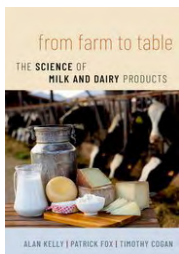
TD664/No250



Carpenter, M. (2025). *Sweet and Deadly : How Coca-Cola Spreads Disinformation and Makes Us Sick*. The MIT Press. ISBN 9780262049504

If we knew that Coca-Cola was among the deadliest products in our diet, would we continue drinking it in such great quantities? The Coca-Cola Company has gone to extraordinary lengths to make sure we don't find out, as this damning exposé makes patently clear. Marshaling the findings of extensive research and deep investigative reporting, Carpenter describes in *Sweet and Deadly* the damage Coke does to America's health – and the remarkable campaign of disinformation conducted by the company to keep consumers in the dark. Sugar-sweetened beverages are the single item in the American diet that most contributes to the epidemic of chronic disease – in particular, obesity, type 2 diabetes, and cardiovascular disease – and Coca-Cola is America's favorite sugar-sweetened beverage by far. Carpenter details how the Coca-Cola corporation's sophisticated shadow network has masterfully spread disinformation for decades to hide the health risks of its product from consumers – risks disproportionately borne by Black, brown, and low-income communities. Working from a playbook of obfuscation and pseudoscience that has worked well for other harmful products, from tobacco and trans fats to opioids, Coca-Cola has managed to maintain an aura of goodness and happiness. This eye-opening book finally and fully reveals the truth behind that aura.

TD663/Ca664



Kelly, A., Fox, P., & Cogan, T. (2025). *From Farm to Table: The Science of Milk and Dairy Products*. Oxford University Press. ISBN 9780197580998

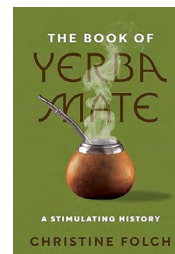
The consumption of dairy products made from the milk of cows, sheep, goats, and buffalo, among other mammalian species, is almost as old as human civilization, with evidence of these products stretching back many millennia. The production of different kinds of dairy products originated as different ways to preserve the valuable nutritional goodness of milk components (lactose, fat, protein, vitamins, and minerals) and make the milk safe for consumption, using basic principles like fermentation, heating, separation, dehydration, acidification, smoking, and salting, which are the keys to producing products like cheese, butter, and yoghurt.

Many dairy products today are still produced using the same basic principles, and in this book an introduction to the origins, constituents, and properties of milk is given, alongside an outline of the ways in which dairy products are made, including the development of advanced products like infant formula and formulated nutritional products.

The book introduces, at an introductory level, the chemistry and microbiology of milk, as well as the principles of the main processes used, like spray-drying, fermentation, and pasteurization, to underpin understanding of how the properties of the main dairy products emerge. The book, which finishes with a discussion of

the challenges and threats facing dairy today, is designed to be accessible to a wide range of non-specialist readers who may have an interest in milk and dairy products and want to learn more about this fascinating and ancient branch of the science of food.

TD637.1/Ke268



Folch, C. (2024). *The Book of Yerba Mate: A Stimulating History*. Princeton University Press. ISBN 9780691246390

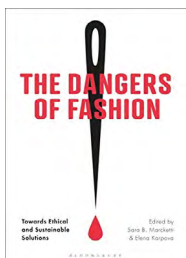
Brewed from the dried leaves and tender shoots of an evergreen tree native to South America, yerba mate gives its drinkers the jolt of liquid effervescence many of us get from coffee or tea. In Argentina, southern “gaúcho” Brazil, Paraguay, and Uruguay, mate is the stimulating brew of choice, famously quaffed by the Argentine national football team en route to its 2022 FIFA World Cup victory. In *The Book of Yerba Mate*, Christine Folch offers a wide-ranging exploration of the world’s third-most popular naturally stimulating beverage. Folch discusses who drinks mate, and why, and whether this earthier caffeinated drink with its promise of a different buzz and a more authentic, spiritual connection to place can find a market niche beyond South America.

Folch traces yerba mate’s odysseys across the globe, from South America to the Middle East and North America. She discovers that mate inspired the world’s first written tango, powered early Jesuit and German nationalist utopias, ignited one of modern history’s most devastating wars, and fueled Catholic conspiracies. And, Folch reports, mate is currently starring in puppet shows put on by Syrian dissidents.

By tracing yerba mate production and consumption as they change over time and place, from precolonial Indigenous beginnings

to the present, Folch unravels the processes of commodification and their countervailing forces to show how accidents of botany intersect with political economic systems and personal taste. The stories behind the caffeinated infusions we prefer, she finds, are nothing less than the story of how the modern world is put together.

TD663.9/Fo210

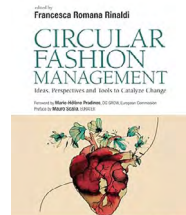


Marchetti, S.B., & Karpova, E.E. (Eds.). (2020). *The Dangers of Fashion : Towards Ethical and Sustainable Solutions*. Bloomsbury Visual Arts. ISBN 9781350052048

From sweatshops to fur farming, from polluting chemicals to painful garments, the fashion industry is associated with activities which have had devastating effects on workers, consumers, and the natural world. This ground-breaking volume provides a framework for examining the ethical, social, and environmental dangers that arise as fashion products are designed, manufactured, distributed, and sold within retail outlets, before being consumed and disposed of. Encompassing the cultural, psychological, and physiological aspects of fashion, it offers a comprehensive exploration of the hazards of a global industry.

Drawing together an international team of leading textile and apparel experts, *The Dangers of Fashion* presents original perspectives on a wide range of topics from piracy and counterfeiting to human trafficking; from the effects of globalization on local industry to the peer pressure that governs contemporary ideals of beauty. Rooted in research into industry and consumer practices, it discusses innovative solutions – both potential and existing – to fashion’s dangers and moral dilemmas from the viewpoint of individuals, companies, societies, and the global community.

TD687/Da434



Rinaldi, F.R. (Ed.). (2024). *Circular Fashion Management : Ideas, Perspectives and Tools to Catalyze Change*. Bocconi University Press. ISBN 9791281627154

When we talk about circularity, we often focus only on environmental impact issues. Circular Fashion Management adds social and governance (ESG) to this approach, providing insight and helping to create a culture of circularity specific to the fashion industry.

The ‘E’ of environmental is presented through the fight for textile waste resources and the focus on the path to net-zero fashion. The ‘S’ of social is described as the need to integrate social sustainability into circular fashion supply chains. The ‘G’ of governance for circularity is also presented in detail. The book’s holistic approach is complemented by chapters on traceability, regulations and policies for circular fashion, the need for better market surveillance of textile products and the dangerous role of greenwashing. Among the opportunities and challenges discussed, the need to include small and medium-sized enterprises (SMEs), a key part of the industry, in this discussion becomes clear. Building on the work of the Monitor for Circular Fashion research observatory at SDA Bocconi, the book brings together 27 experts on traceability, sustainability and circularity in fashion to share their ideas, perspectives and tools with the aim of catalysing change for a more sustainable future.

TD687/Ci680



Quinn, B. (2024). *Fashion in the Metaverse : Designs and Technologies Shaping the Future*. Laurence King. ISBN 9781529437294

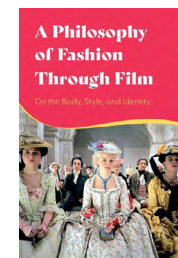
As immersive design tools and the impending launch of Web3 begin shaping fashion’s future, the metaverse is providing new platforms for creativity, commerce and collaboration.

Although the fusion between fashion and emerging technologies has been relevant for several decades, the proliferation of virtual design software is revolutionising how clothing is created and consumed.

The rise of avatars is introducing concepts of the human body that challenge stereotypes of gender, ethnicity and identity. Immersive design is blurring the lines between the real and the virtual in many parts of the fashion industry, and leading to the creation of metaverse domains where digital garments, accessories, assets and cryptocurrencies converge.

The book explores the furthestmost boundaries of what virtual fashion can achieve in immersive worlds and how it impacts on physical products. Through interviews with designer-creators and analysis of key virtual garments and accessories, readers gain insight into next-generation fashion design and its role in shaping the digital future. This book is an important resource for any designer, entrepreneur or scholar following developments in virtual design, immersive environments and cutting-edge fashion.

TD687/Qu610

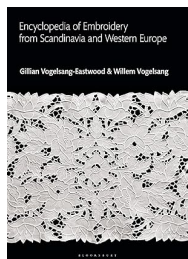


Di Summa, L.T. (2024). *A Philosophy of Fashion through Film : On the Body, Style, and Identity*. Bloomsbury Academic. ISBN 9781350343757

The question of whether movies can deliver philosophical content is a leading topic in the cognitive and analytic debate on film. But instead of turning to the well-trodden terrain of narrative and emotional engagement, this is the first time fashion and costume choices are analyzed to demonstrate how movies can be said to be doing philosophy.

Featuring close examinations of 1950s melodramas, Hollywood blockbusters, and documentaries such as *All That Heaven Allows*, *Mad Max Fury Road*, and *McQueen*, Laura T. Di Summa uses an innovative new lens to provide fresh philosophical analysis of films. The result is not only an advancement of our understanding of the aesthetic means through which film can do philosophy, but the first insights into a philosophy of fashion.

TD687.16/Di814



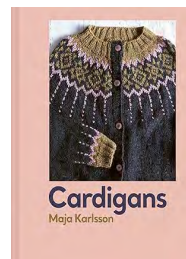
Vogelsang-Eastwood, G., & Vogelsang, W. (2025). *Encyclopedia of Embroidery from Scandinavia and Western Europe*. Bloomsbury Visual Arts. ISBN 9781350146723

For millennia, the peoples of Scandinavia and Western Europe have been producing domestic and professional embroidery to decorate themselves, their families, clients, homes and public spaces. Embroidery is an expression of artistic, personal, family, regional and even political creativity which has played an important role in the social and cultural lives of people throughout this region. It has also reflected economic and political changes over time as well as social, religious and artistic contexts.

This is the first reference work to describe the history of embroidery throughout Scandinavia and Western Europe from the Bronze Age to the present day. It offers an authoritative guide to all the major embroidery traditions of the region and a detailed examination of the material, technical, artistic and design aspects of the subject, including its modern-day uses.

With 76 chapters and 634 illustrations (554 in colour) of clothes, accessories and decorated soft furnishings (floor coverings, wall hangings, curtains, bed linen), this *Encyclopedia* is an invaluable resource for students and scholars of the subject. The text is supported by appendices with detailed stitch diagrams, a bibliography and an index.

TD646.21/V0125



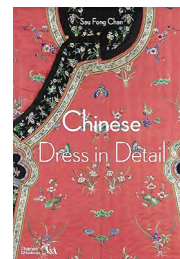
Karlsson, M. (2024). *Cardigans*. Batsford. ISBN 9781849949156

Dive into a year of warmth, comfort and style with *Cardigans* – this beautiful book is bursting with inspiration that invites experienced knitters and beginners alike to construct perfect cardigans suitable for all four seasons of the year.

Taking inspiration from Nordic pattern traditions, Maja has created 20 projects with a selection of different designs, and in a wide range of sizes. Explore and gain confidence as you work through varying constructions and techniques that include colourwork, single-colour, monograms and cables.

Accompanied with beautiful photography throughout of the Swedish countryside and locations that have inspired Maja through the year. Go on your own knitting journey and craft the cardigan of your dreams.

TD687.26/.27/Ka605

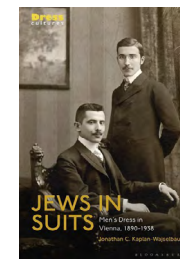


Fong Chan, S. (2023). *Chinese Dress in Detail*. Thames & Hudson. ISBN 9780500480939

This informative and fascinating survey of Chinese fashion brings together nearly 100 items of clothing, from as early as the Shang dynasty (c. 1600-1046 BCE) to the present day. Showcasing some of the finest pieces in the V&A's dress collection, *Chinese Dress in Detail* reveals the exquisite embroidery, weaving and dyeing techniques and decorative motifs of these spectacular garments.

A comprehensive introduction illuminates the key themes of Chinese dress throughout history, followed by chapters that offer a head-to-toe overview, from hair accessories and necklines to buttons, embroidery and footwear. Each garment is accompanied by a short text and sumptuous detail photography, offering a rare opportunity to examine items that are often too fragile to display, from quivering hair ornaments, stunning silk jackets and coats, and festive robes and pleated skirts to pieces embellished with rare materials such as peacock-feather threads or created with unique craft techniques. This extraordinary exploration of the beauty and complexity of Chinese dress and accessories will delight all followers of fashion, costume and textiles.

TD687(09)/Fo390



Kaplan-Wajselbaum, J.C. (2024). *Jews in Suits : Men's Dress in Vienna, 1890-1938*. Bloomsbury Visual Arts. ISBN 9781350244214

Surviving photographs of Jewish Viennese men during the *fin-de-siècle* and interwar periods – both the renowned cultural luminaries and their many anonymous coreligionists – all share a striking sartorial detail: the tailored suit. Yet, until now, the adoption of the tailored suit and its function in the formation of modern Jewish identities remains under-researched.

Jews in Suits uses a rich range of written and visual sources, including literary fiction and satire, “ego-documents”, photography, trade catalogues, invoices, and department store culture, to propose a new narrative of men, fashion, and their Jewish identities. It reveals that dressing in a modern manner was not simply a matter of assimilation, but rather a way of developing new models of Jewish subjectivity beyond the externally prescribed notion of ‘the Jew’. Drawing upon fashionable dress, folk costume, religious dress, avant-garde, oppositional dress, typologies which are often considered separate from one another, it proposes a new way of reading men and clothing cultures within an iconic cultural milieu, offering insights into the relationship of clothing and grooming to the understanding of the self.

TD687(09)/Ka476