

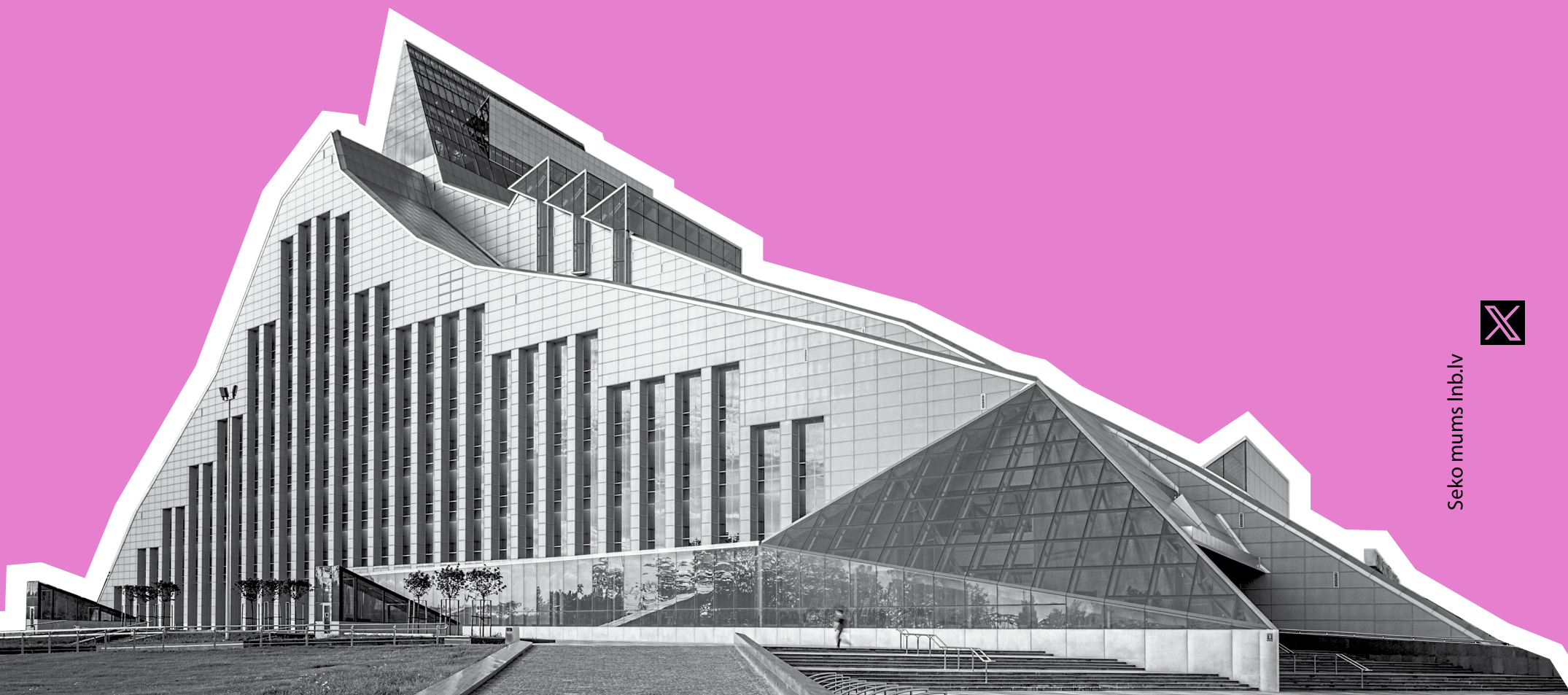
Jauniegvumu apskats: Tehnoloģiju & dabaszinātņu izdevumi svešvalodās

Nr. 1/ 2025
Februāris



L N B

L A T V I J A S
N A C I O N Ā L Ā
B I B L I O T Ē K A



Seko mums lnb.lv



Saturs

Priekšvārds | 2

Dabaszinātnes | 3

Medicīna. Sports | 6

Inženierzinātnes. Tehnoloģijas | 10

Lauksaimniecība | 13

Pārtikas zinātnes | 15

Skaistuma industrija | 17

Nozaru literatūras centra lasītavas:

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

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

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

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

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

ISSN 2592-9097
Izdevums iznāk kopš 2022. gada februāra četras
reizes gadā - februārī, maijā, septembrī, novembrī

Priekšvārds

Ielūkojoties *Jaunieguvumu apskata: Tehnoloģiju un dabaszinātņu izdevumi svešvalodās jaunākajā
numurā, jāatzīmē Medicīnas un Lauksaimniecības nodaļās izceltās tēmas, kurām veltītas grāmatu izlases.*

Nenoliedzama ir dzīvnieku terapijas pozitīvā ietekme uz cilvēka fizisko un garīgo veselību. Plaši par
dzīvnieku terapiju lasāms izdevumos *"Handbook on Animal-Assisted Therapy"* un *"Animal Assisted Therapy
Use Application by Condition"*. Vieni no biežāk iesaistītajiem dzīvnieku terapijā ir zirgi. Tā, piemēram, par
zirgu asistētu terapiju lasāms izdevumā *"How Change Happens in Equine-Assisted Interventions: A Theory of
Horses, Humans, and Psychotherapy"*. Medicīnas nodaļā iekļautajos izdevumos iepazīsiet arī citas terapi-
jas. Par tekstu dziedinošo ietekmi lasiet grāmatā *"Bibliotherapy: The Healing Power of Reading"*, savukārt
par Lego klucīšu terapeitisko spēku – *"Seriously Therapeutic Play with LEGO®: The Guidebook for Helping
Professionals"*.

Visas *Lauksaimniecības nodaļā* iekļautās grāmatas veltītas biškopībai. Tās biškopju saimi vedinās
plašajā bišu pasaulē.

Iepazīstiet arī citus *Apskatā* iekļautos izzinošos izdevumus, aplūkojot jaunieguvumus Jūs interesē-
jošajā nozarē!

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

* Piekļuve e-grāmatām ar LNB pieejas datiem tiek nodrošināta attiecīgās tiešsaistes datubāzes
abonēšanas periodā.

Redakcijas adrese:

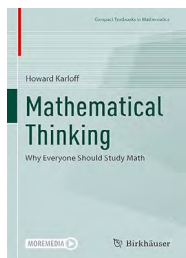
Tehnoloģiju un dabaszinātņu lasītava
Nozaru literatūras centrs
Latvijas Nacionālā bibliotēka
Mūkusalas iela 3, Rīga, LV-1423
Tālr.: 67806132
E-pasts: tehnologijas@lnb.lv

Redaktore & maketētāja:

Zane Bondare
E-pasts: zane.bondare@lnb.lv
Informāciju sagatavoja:
LNB informācijas speciālisti



Abonējiet izdevumu, skenē-
jot QR kodu vai aizpildot
iesniegumu elektroniski

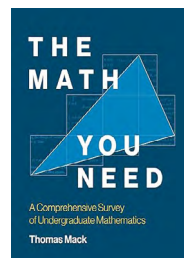


Karloff, H. (2024). *Mathematical Thinking : Why Everyone Should Study Math*. Birkhäuser. ISBN 9783031332050

This textbook invites readers to explore mathematical thinking by finding the beauty in the subject. With an accessible tone and stimulating puzzles, the author will convince curious non-mathematicians to continue their studies in the area. It has an expansive scope, covering everything from probability and graph theory to infinities and Newton's method. Many examples of proofs appear as well, offering readers the opportunity to explore these topics with the amount of rigor that suits them. Programming exercises in Python are also included to show how math behaves in action.

Mathematical Thinking is an ideal textbook for transition courses aimed at undergraduates moving from lower level to more advanced topics, as well as for math recruitment and invitational courses at the freshman or sophomore level. It may also be of interest in computer science departments and can be used as a supplemental text for courses in discrete mathematics and graph theory.

TD51/Ka600

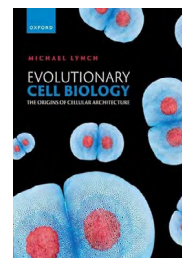


Mack, T. (2023). *The Math You Need : A Comprehensive Survey of Undergraduate Mathematics*. The MIT Press. ISBN 9780262546324

In *The Math You Need*, Thomas Mack provides a singular, comprehensive survey of undergraduate mathematics, compressing four years of math curricula into one volume. Without sacrificing rigor, this book provides a go-to resource for the essentials that any academic or professional needs. Each chapter is followed by numerous exercises to provide the reader an opportunity to practice what they learned. *The Math You Need* is distinguished in its use of the Bourbaki style – the gold standard for concision and an approach that mathematicians will find of particular interest. As ambitious as it is compact, this text embraces mathematical abstraction throughout, avoiding ad hoc computations in favor of general results.

Covering nine areas – group theory, commutative algebra, linear algebra, topology, real analysis, complex analysis, number theory, probability, and statistics – this thorough and highly effective overview of the undergraduate curriculum will prove to be invaluable to students and instructors alike.

TD51/Ma100



Lynch, M. (2024). *Evolutionary Cell Biology : The Origins of Cellular Architecture*. Oxford University Press. ISBN 9780192847287

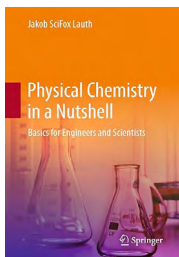
The fields of molecular evolution, genome evolution, and evolutionary genetics are now well established. Remarkably, however, although all evolutionary modifications begin at the cellular level, and despite the advances made in cell biology and microbiology over the past few decades, there is as yet no recognized discipline of evolutionary cell biology. The goal of this book is to help establish the foundations for this newly emerging field. Its principal aims are twofold: first, to promote an understanding among evolutionary biologists as to why the cellular details of evolution; second, to make clear to non-evolutionary biologists – cell biologists in particular – that evolution is not just a matter of natural selection and optimization, but a process whose reach depends on other Population-genetic features such as mutation, recombination, and random genetic drift.

Although there are many excellent books on cell biology, microbiology, and biophysics, almost no attention is given to evolution. Likewise, although there are numerous evolutionary biology books on the market, none of them gives more than passing attention to details at the cellular level. Thus, *Evolutionary Cell Biology* is genuinely novel, offering a broader understanding of evolutionary processes and an

appreciation for the many interesting problems that remain to be solved at the cellular and subcellular levels.

This book is aimed at both cell biologists and evolutionary biologists. It will be accessible to upper-level undergraduates in biology, and certainly to graduate students in all areas of the life sciences. Professionals from a wide range of fields – cell biology, microbiology, evolution, biophysics, biochemistry, and mathematics – will be exposed to entirely new ideas not traditionally covered in their primary fields of expertise.

TD576/Ly510



Lauth, J. (2023). *Physical Chemistry in a Nutshell: Basics for Engineers and Scientists*. Springer. ISBN 9783662676363

This book is based on a multimedia course for biological and chemical engineers, which is designed to trigger students' curiosity and initiative. A solid basic knowledge of thermodynamics and kinetics is necessary for understanding many technical, chemical, and biological processes.

The one-semester basic lecture course was divided into 12 workshops (chapters). Each chapter covers a practically relevant area of physical chemistry and contains the following didactic elements that make this book particularly exciting and understandable:

- Links to videos at the start of each chapter as preparation for the workshop;
- Comprehension questions and calculation exercises with solutions as learning checks;
- Key illustrations as simple, easy-to-replicate blackboard pictures.

Humorous cartoons for each workshop (by Faelis) additionally lighten up the text and facilitate the learning process as a mnemonic. To round out the book, the appendix includes a summary of the most popular experiments in basic physical chemistry courses, as well as suggestions for designing workshops with exhibits, experiments, and "questions of the day."

Suitable for students minoring in chemistry; chemistry majors are sure to find this slimmed-down, didactically valuable book

helpful as well. The book is excellent for self-study.

TD544/La917



Kampourakis, K. (2024). *How We Get Mendel Wrong, and Why It Matters: Challenging the Narrative of Mendelian Genetics*. CRC Press. ISBN 9781032456904

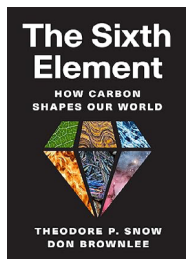
This book illustrates that the stereotypical representations of Gregor Mendel and his work misrepresent his findings and their historical context. The author sets the historical record straight and provides scientists with a reference guide to the respective scholarship in the early history of genetics. The overarching argument is twofold: on the one hand, that we had better avoid naïve hero-worshipping and understand each historical figure, Mendel in particular, by placing them in the actual sociocultural context in which they lived and worked; on the other hand, that we had better refrain from teaching in schools the naïve Mendelian genetics that provided the presumed "scientific" basis for eugenics.

Key features:

- Corrects the distorting stereotypical representations of Mendelian genetics and provides an authentic picture of how science is done, focusing on Gregor Mendel and his actual contributions to science;
- Explains how the oversimplifications of Mendelian genetics were exploited by ideologues to provide the presumed "scientific" basis for eugenics;
- Proposes a shift in school education from teaching how the science of genetics is done using model systems to teaching the complex-

ities of development through which heredity is materialized.

TD575/Ka365



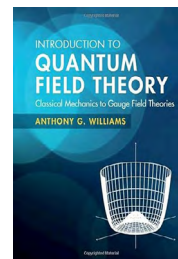
Snow, T.P., & Brownlee, D. (2024). *The Sixth Element: How Carbon Shapes Our World*. Princeton University Press. ISBN 9780691125886

When we think of carbon, we might first think of a simple element near the top of the periodic table: symbol C, atomic number 6. Alternatively, we might think of something more tangible – a sooty piece of coal or a sparkling diamond, both made of carbon. Or, as Earth's temperature continues to rise alarmingly, we might think of the role carbon plays in climate change. Yet carbon's story begins long ago, far from earthly concerns. In *The Sixth Element*, astronomers Theodore Snow and Don Brownlee tell the story of carbon from a cosmic perspective – how it was born in the fiery furnaces of stars, what special chemical and physical properties it has, and how it forms the chemical backbone of the planets and all life as we know it. Foundational to every part of our lives, from our bodies to the food, tools, and atmosphere that sustain our existence, carbon is arguably humankind's most important element.

Snow and Brownlee offer readers the ideal introduction to the starry element that made our world possible and shapes our lives. They first discuss carbon's origin, discovery, and unique ability to bond with other elements and form countless molecules. Next, they reveal carbon's essential role in the chemical evolution of the universe and the formation and evolution of galaxies, stars, planets, and life, and then, more

generally, its technological uses and its influence on Earth's climate. Bringing readers on a historical, scientific, and cross-disciplinary journey, *The Sixth Element* illuminates the cosmic wonder that is carbon.

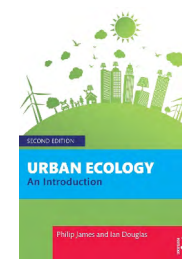
TD546/Sn780



Williams, A.G. (2023). *Introduction to Quantum Field Theory: Classical Mechanics to Gauge Field Theories*. Cambridge University Press. ISBN 9781108470902

This textbook offers a detailed and uniquely self-contained presentation of quantum and gauge field theories. Writing from a modern perspective, the author begins with a discussion of advanced dynamics and special relativity before guiding students steadily through the fundamental principles of relativistic quantum mechanics and classical field theory. This foundation is then used to develop the full theoretical framework of quantum and gauge field theories. The introductory, opening half of the book allows it to be used for a variety of courses, from advanced undergraduate to graduate level, and students lacking a formal background in more elementary topics will benefit greatly from this approach. Williams provides full derivations wherever possible and adopts a pedagogical tone without sacrificing rigour. Worked examples are included throughout the text, and end-of-chapter problems help students to reinforce key concepts. A fully worked solutions manual is available online for instructors.

TD530.145/Wi482



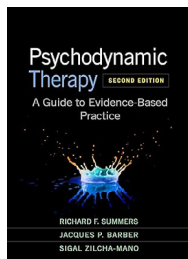
James, P., & Douglas, I. (2024). *Urban Ecology: An Introduction* (2nd ed.). Routledge. ISBN 9781032281001

This fully revised second edition reflects the great expansion in urban ecology research, action, and teaching since 2015. Urban ecology provides an understanding of urban ecosystems and uses nature-based techniques to enhance habitats and alleviate poor environmental conditions.

Already the home to the majority of the world's people, urban areas continue to grow, causing ecological changes throughout the world. To help students of all professions caring for urban areas and the people, animals, and plants that live in them, the authors set out the environmental and ecological science of cities, linkages between urban nature and human health, urban food production in cities, and how we can value urban nature. The authors explore our responsibilities for urban nature and greening, ecological management techniques, and the use of nature-based solutions to achieve a better, more sustainable urban future and ensure that cities can climate change and become more beautiful and more sustainable places in which to live.

This text provides the student and the practitioner with a critical scientific overview of urban ecology that will be a key source of data and ideas for studies and for sound urban management.

TD504.03/Ja437



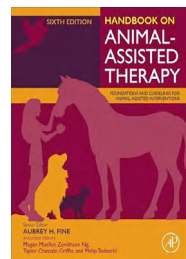
Summers, R.F., Barber, J.P., & Zilcha-Mano, S. (2024). *Psychodynamic Therapy: A Guide to Evidence-Based Practice* (2nd ed.). The Guilford Press. ISBN 9781462554072

Firmly grounded in contemporary clinical practice and research, this pragmatic guide for professionals and students is now in a revised and expanded second edition. The book explains the theory underlying psychodynamic approaches and lays out a model for understanding psychopathology. Vivid case examples demonstrate how to tailor psychodynamic therapy effectively for individual patients. The authors provide a framework for diagnosing the patient's core psychodynamic problem and engaging the most useful mechanisms of change, using an integrative approach. Special topics include remote and hybrid treatment, combining therapy with psychopharmacology, and working with couples and families.

New to this edition:

- Incorporates cutting-edge research on psychotherapy process and mechanisms of change;
- Chapter on telepsychotherapy, including clear recommendations for practice;
- More attention to the social determinants of health – the psychic effects of adversity and various forms of oppression;
- New and revised case examples, with diversity in age, gender, race, culture, and sexual identity.

TD615.851/Su445



Fine, A.H., Mueller, M.K., Ng, Z.Y., Griffin, T.C., & Tedeschi, P. (Eds.). (2025). *Handbook on Animal-Assisted Therapy* (6th ed.). Academic Press. ISBN 9780443223464

The Animal-Assisted Intervention (AAI) field is expanding rapidly, incorporating diverse diagnoses, patient groups, settings, and animals. The book remains the definitive resource for clinical practitioners, offering evidence-based insights and practical guidelines for effective treatment.

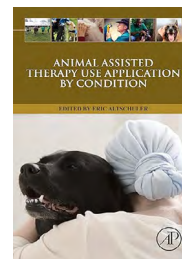
In this fully updated 6th edition, this handbook features 15 new chapters covering cultural considerations, research advancements, standards of practice, and more. Organized into four sections, it explores the conceptual foundations of the human-animal bond, ethical best practices for AAI professionals, considerations for animal selection, training, and welfare, and the application of AAI with various special populations.

This book may serve as a comprehensive study guide for the Animal-Assisted Intervention Specialist Certification Exam.

Key features:

- Summarizes current research on AAI;
- Guides readers how to work with a therapy animal safely and effectively;
- Covers AAT with special populations and for specific disorders/diagnoses;
- Supports study for the Animal-Assisted Intervention Specialist Certification exam;
- Contains 15 new chapters on culture, research, standards of practice, and more.

TD615.85:59/Ha373



Altschuler, E. (Ed.). (2023). *Animal Assisted Therapy Use Application by Condition*. Academic Press. ISBN 9780323988155

Animal Assisted Therapy Use Application by Condition provides the most updated and comprehensive data knowledge on animal-assisted therapy. It synthesizes historical information, theory, clinical practice, and data from recent clinical studies on animal-assisted therapy for post-traumatic stress disorder (PTSD) and other diseases.

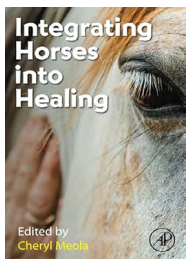
Written by international experts drawn from the fields of medicine, clinical psychology and therapy, speech therapy, clinical research, genetics, and animal training and welfare, this book employs a hypothesis-driven, data-rich approach to inform readers on current research and serve as a reference for clinical practice and use of animal-assisted therapy. The book is an important resource for clinicians, researchers, animal trainers and handlers, and students who want to understand and utilize animal-assisted therapy in theory and practice.

Key features:

- Includes essential information on animal-assisted therapy for clinicians, researchers, students, and animal training and handling organizations;
- Examines PTSD in history, theories of the mechanism of clinical action of animal-assisted therapy, and the co-evolution of humans and canines;

- Features contributions by war combat veterans who use animal-assisted therapy for the treatment of PTSD.

TD615.85:59/An523



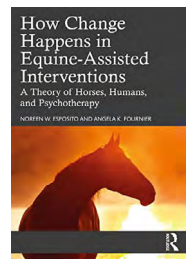
Meola, C. (Ed.). (2023). *Integrating Horses into Healing*. Academic Press. ISBN 9780443191954

Written by experts and founders in the world of equine assisted services (EAS), *Integrating Horses into Healing* is an all-inclusive, hands-on guide for any practitioner, researcher, or student interested in EAS. The book provides a wealth of knowledge, including perspectives from therapy and coaching practitioners, equine professionals, veterinarians, researchers, clients, board members, and founders of the EAS industry. These diverse perspectives offer a depth and insight that make this a go-to guide for EAS practitioners and researchers. The focus of the book is on the ethical incorporation of equines into different therapy modalities. The well-being of the equine as well as the practitioner team is addressed, as well as sustainability and health within a for-profit and non-profit structure.

Key features:

- Offers ethical practices for integrating equine assisted services into therapies, coaching, and other services;
- Provides a foundational introduction to the benefits and practices of equine assisted services;
- Discusses business and legal considerations for EAS practices.

TD615.85:59/ln720



Esposito, N.W., & Fournier, A.K. (2023). *How Change Happens in Equine-Assisted Interventions : A Theory of Horses, Humans, and Psychotherapy*. Routledge. ISBN 9780367538507

How Change Happens in Equine-Assisted Interventions gives clinicians and researchers an intervention theory on the mechanisms of change during psychotherapy and other interventions that incorporate horses. Chapters introduce the concept of intervention theory, present a theory of the problem (what the client comes with), theories explaining the intervention (what is done during a session), and theories of change (what happens in the mind of a client), with each theory's function described. Using an autoethnographic approach, the authors describe, deconstruct, and analyze personal experiences as clients during an equine-assisted intervention. Then the authors present and apply a unique intervention theory by linking it to the thoughts and experiences of clients in and after a session. Practitioners will come away from this book with a unique perspective on the field and with an increased understanding of what their clients are thinking both in and out of session. Researchers will have an explanatory theory from which to draw testable hypotheses when studying interventions incorporating horses.

TD615.85:59/Es560



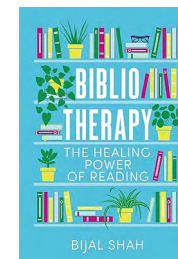
Loewenthal, D. (2023). *The Handbook of Phototherapy and Therapeutic Photography : For the Professional and Activist Client*. Routledge. ISBN 9781032147512

This text introduces the concepts, essential tenets and basic techniques of Phototherapy and Therapeutic Photography.

Through the use of case studies and the author's own professional experience, this book covers the practices, together with their theories and research behind phototherapy and therapeutic photography providing a comprehensive range of major approaches. Examples include Talking Pictures Therapy, Reenactment Phototherapy, the creation of therapeutic photo-books, stories, and diaries, and the therapeutic use of portraiture. Chapters also explain how we can effectively use these techniques in a variety of contexts including private practice, voluntary organisations, schools, prisons and management consultancy, as useful adjuncts to primary practices as well as for self-help.

This handbook is for therapists, photographers, other professionals, clients and activist clients.

TD615.851:7/Lo160



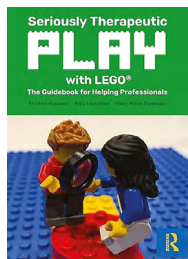
Shah, B. (2024). *Bibliotherapy : The Healing Power of Reading*. Piatkus. ISBN 9780349436036

In this unique and transformational guide to healing, bibliotherapist and counsellor Bijal Shah explores the restorative power of reading.

Bibliotherapy traces the history of how therapeutic reading evolved – including the important role played by the best writers such as the Stoics, Montaigne, Eliot and Wordsworth. In doing so, Bijal offers first-hand stories from clients who have found solace in great works of literature when struggling with grief, relationships or illness. Full of practical advice and insights into how bibliotherapy really works, Bijal offers an A-Z reading list of books for every mood and need.

This is a sumptuous celebration of reading that will invite you to see books as more than just an escape, but a legitimate form of self-care.

TD615.851:7/Sh060

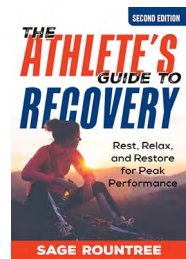


Klassen, K., Hamilton, A., & Peabody, M.A. (2024). *Seriously Therapeutic Play with LEGO®: The Guidebook for Helping Professionals*. Routledge. ISBN 9781032196930

LEGO® bricks are a staple in many child and play therapists' offices, and *Seriously Therapeutic Play with LEGO®* shows therapists and counselors how to integrate LEGO® in a therapeutically valuable way. This book presents a therapeutic approach based in biological, psychological, and social research, one that supports participants as they build models that represent their thoughts, emotions, experiences, and reflections. Using a variety of evidence-based intervention techniques, chapters show clinicians how to incorporate the model and associated metaphors to help clients, and they do so in a way that is compatible with any number of therapeutic orientations or perspectives.

Though based in current research, *Seriously Therapeutic Play with LEGO®* is designed for psychologists, social workers, school counselors, occupational therapists, clinical educators and supervisors, coaches, support workers, and other health care providers across the lifespan who wish to use play therapeutically.

TD615.851/KI190



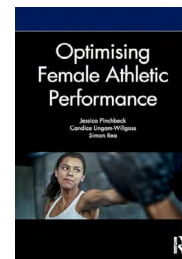
Rountree, S. (2024). *The Athlete's Guide to Recovery: Rest, Relax, and Restore for Peak Performance* (2nd ed.). Rowman & Littlefield. ISBN 9781538181478

In *The Athlete's Guide to Recovery: Rest, Relax, and Restore for Peak Performance, Second Edition*, endurance and recovery coach Sage Rountree explains how to get the most out of training by optimizing recovery time. This accessible and easy-to-follow guide includes:

- How athletes can measure their own state of recovery;
- What can go wrong when recovery is insufficient;
- Proven techniques to enhance recovery and improve performance;
- Sample recovery plans for all types of training and competition.

Emphasizing the fundamentals of sleep, nutrition, and stress management, this second edition features up-to-date research that has emerged to support the importance of these basic recovery strategies and includes a much-needed, careful look at new devices on the market. Whether self-coached, coached, or team-sport athletes, *The Athlete's Guide to Recovery* provides readers with the means to find the right balance between stress and rest.

TD61.796/Ro833



Pinchbeck, J., Lingam-Willgoss, C., & Rea, S. (2025). *Optimising Female Athletic Performance*. Routledge. ISBN 9781032360690

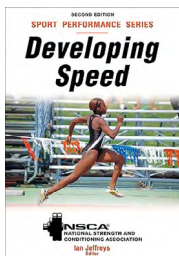
Optimising Female Athletic Performance presents a comprehensive overview of the wide range of factors that underpin female athletic performance based on the most up-to-date research. This book draws from the disciplines of anatomy, physiology, psychology, and sociology to develop an integrated approach and illustrates how female athletes can be safely prepared for training and performance in a way that benefits their health and optimises their performance. The book covers the specific challenges active females encounter as they move through their lives from childhood, puberty, adolescence, adulthood, potentially motherhood, and on to the menopausal stage.

As well as presenting the key knowledge and research around female athletic performance, each chapter includes real-world examples in the form of case studies and athletes' experiences. Each chapter concludes with a summary offering key points and take away messages for coaches and practicing athletes, as well as end-of-chapter quizzes to allow students to assess their own learning and knowledge.

Optimising Female Athletic Performance is key reading for undergraduate students studying sports science and sports coaching degrees who aspire to a career working with female athletes in a range of contexts and environments. Content

has been presented in a way that is easily accessible to students and to facilitate the practical application of knowledge by practitioners in a range of sport and exercise settings. It is also useful to active females to understand their own performance and enhance their experience of sport and fitness.

TD796/PI553



Jeffreys, I. (Ed.). (2025). *Developing Speed* (2nd ed.). Human Kinetics. ISBN 9781718207059

Speed has long been recognized as a key component of superior sport performance. Whether they are chasing down a long pass in football or sprinting down the court on a fast break in basketball, an athlete's speed is a major factor in overall athletic ability.

Authored by 19 of the top National Strength and Conditioning Association experts, *Developing Speed* is the definitive resource for creating scientifically sound training programs that take speed to the highest level.

The book is designed to address the full gamut of speed training, with topics such as these:

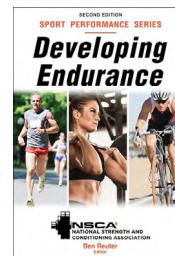
- Sprint starts;
- Acceleration;
- Maximal velocity;
- Speed endurance;
- Sport-specific application.

You'll also get advice and information on how to develop speed regimens for 12 sports: baseball, softball, basketball, football, ice hockey, rugby, soccer, tennis, field hockey, lacrosse, sprint (track) cycling, and speed skating. You'll find assessments to test various aspects of speed as well as over 80 sport-specific drills.

Packed with the latest research and recommendations from the world's leading sport conditioning organization, *Developing Speed*

contains everything coaches and athletes need to increase speed, blow past the competition, and achieve performance goals.

TD796.015/De933



Reuter, B. (Ed.). (2025). *Developing Endurance* (2nd ed.). Human Kinetics. ISBN 9781718206960

Endurance sports continue to grow in popularity, with millions of people participating in events each year. To sustain such prolonged activities, athletes need a high level of aerobic and muscular fitness that can only be achieved through a properly designed training program constructed to optimize endurance performance.

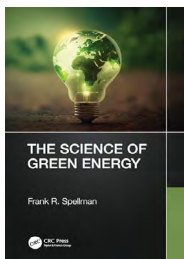
Developing Endurance, Second Edition, is your guide to developing effective endurance training programs. Written by 14 of the top National Strength and Conditioning Association experts, the book provides a physiological overview of endurance sports and explains how resistance, flexibility, and aerobic training all contribute to better performance.

You'll find technique guidelines and photos for resistance training and plyometric exercises that are specific to endurance sports. Multiple tests for assessing aerobic endurance enable you to evaluate and monitor ongoing changes in performance. Plus, an updated chapter about warm-up methods and techniques as well as a new chapter about programming for obstacle course racing make this the definitive edition of this trusted resource.

With training programs for running, cycling, swimming, triathlon, and obstacle course racing, *Developing Endurance* takes the guesswork out of creating personalized training

programs that help avoid plateaus and take performance to the next level.

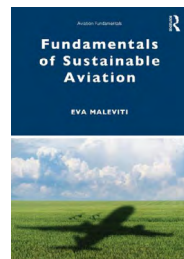
TD796.015/De933



Spellman, F.R. (2024). *The Science of Green Energy*. CRC Press. ISBN 9781032573656

Concern for the environment and the impacts of pollution have brought about the need to shift from the use and reliance on hydrocarbons to energy-power sources that are pollution neutral or near pollution neutral or renewable. Moreover, the impact of 200 years of industrialization and surging population growth threatens to exceed the future supply of hydrocarbon power sources. Therefore, the implementation of green energy sources is surging. *The Science of Green Energy* presents technologies and techniques, as well as real-world usage of and operation of today's green energy-based applications. This practical book is designed to be used as an information source for the general reader, or for a course in energy, chemistry or in renewable energy engineering fields where green energy is becoming a key player. It is intended to fill a wide gap of missing information in published texts dealing with the green energy revolution currently in progress; it specifically provides information involving the many different sources of energy.

TD620.92/Sp313



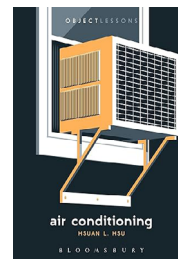
Maleviti, E. (2024). *Fundamentals of Sustainable Aviation*. Routledge. ISBN 9781032164076

Fundamentals of Sustainable Aviation is the first textbook to survey the critical field of sustainability within the aviation industry. Taking a systems thinking approach, it presents the foundational principles of sustainability and methodically applies them to different aviation sectors.

Opening with the basics of sustainability, emphasising the Sustainable Development Goals, the book then considers the environmental, economic and social dimensions of aviation. The following chapters apply these insights to aviation design, supply chains, operations, maintenance and facilities. The final chapter examines the concept of resilience in sustainable aviation. Overall, the textbook shows how future sustainability can be achieved by making better decisions today.

Students are supported with international case studies throughout the book. Slides, test questions and a teaching manual are available for instructors. This textbook is the ideal resource for courses on sustainable aviation globally and will also be of great interest to professionals in the field.

TD629.7/Ma359

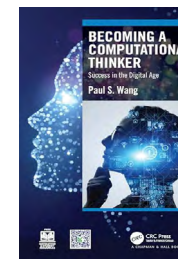


Hsu, H.L. (2024). *Air Conditioning*. Bloomsbury Academic. ISBN 9781501377822

Air conditioning aspires to be unnoticed. Yet, by manipulating the air around us, it quietly conditions the baseline conditions of our physical, mental, and emotional experience. From offices and libraries to contemporary art museums and shopping malls, climate control systems shore up the fantasy of a comfortable, self-contained body that does not have to reckon with temperature. At the same time that air conditioning makes temperature a non-issue in (some) people's daily lives, thermoception – or the sensory perception of temperature – is being carefully studied and exploited as a tool of marketing, social control, and labor management.

Yet air conditioning isn't for everybody: its reliance on carbon fuels divides the world into comfortable, climate-controlled bubbles and increasingly hot environments where AC is unavailable. Hsuan L. Hsu's *Air Conditioning* explores questions about culture, ethics, ecology, and social justice raised by the history and uneven distribution of climate controlling technologies.

TD697/Hs840



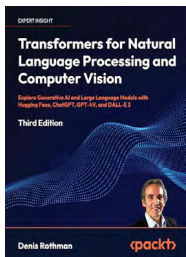
Wang, P.S. (2024). *Becoming a Computational Thinker: Success in the Digital Age*. CRC Press. ISBN 9781032568980

The book has a single purpose: to help everyone become computational thinkers. Computational thinking (CT) is thinking informed by the digital age, and a computational thinker is someone who can apply that thinking everywhere and anywhere. Through practical examples and easy-to-grasp terminology, this book is a guide to navigating the digital world and improving one's efficiency, productivity, and success immediately.

Given their pervasiveness, knowledge and experience of computation is a cornerstone of productivity, and improved thinking will only lead to advances in every aspect of one's life. In this way, CT can be thought of as the mutual reinforcement of thinking and knowledge of computation in the digital age. Comprising a rich collection of self-contained articles that can be read separately, and illustrated by pictures, images and article-end crossword puzzles, this book is an engaging and accessible route to 'Becoming a Computational Thinker' and achieving 'Success in the Digital Age'.

Aimed at the general reader, this book provides insights that can be applied across the full spectrum of industries and practices, helping readers to not only adapt and function in the digital world but also take advantage of new technologies and even innovate new ways of doing things.

TD004/Wa580



Rothman, D. (2024). *Transformers for Natural Language Processing and Computer Vision* (3rd ed.). Packt Publishing. ISBN 9781805128724

Transformers for Natural Language Processing and Computer Vision, Third Edition, explores Large Language Model (LLM) architectures, applications, and various platforms (Hugging Face, OpenAI, and Google Vertex AI) used for Natural Language Processing (NLP) and Computer Vision (CV).

The book guides you through different transformer architectures to the latest Foundation Models and Generative AI. You'll pretrain and fine-tune LLMs and work through different use cases, from summarization to implementing question-answering systems with embedding-based search techniques. You will also learn the risks of LLMs, from hallucinations and memorization to privacy, and how to mitigate such risks using moderation models with rule and knowledge bases. You'll implement Retrieval Augmented Generation (RAG) with LLMs to improve the accuracy of your models and gain greater control over LLM outputs.

Dive into generative vision transformers and multimodal model architectures and build applications, such as image and video-to-text classifiers. Go further by combining different models and platforms and learning about AI agent replication.

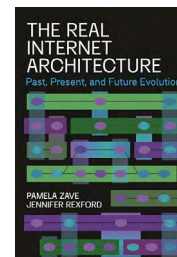
This book provides you with an understanding of transformer architectures,

pretraining, fine-tuning, LLM use cases, and best practices.

Things you will learn:

- Learn how to pretrain and fine-tune LLMs;
- Learn how to work with multiple platforms, such as Hugging Face, OpenAI, and Google Vertex AI;
- Learn about different tokenizers and the best practices for preprocessing language data;
- Implement Retrieval Augmented Generation and rules bases to mitigate hallucinations;
- Visualize transformer model activity for deeper insights using BertViz, LIME, and SHAP;
- Create and implement cross-platform chained models, such as HuggingGPT;
- Go in-depth into vision transformers with CLIP, DALL-E 2, DALL-E3, and GPT-4V.

TD004.8/Ro767



Zave, P., & Rexford, J. (2024). *The Real Internet Architecture: Past, Present, and Future Evolution*. Princeton University Press. ISBN 9780691255804

This book meets the long-standing need for an explanation of how the Internet's architecture has evolved since its creation to support an ever-broader range of the world's communication needs. The authors introduce a new model of network architecture that exploits a powerful form of modularity to provide lucid, insightful descriptions of complex structures, functions, and behaviors in today's Internet. Countering the idea that the Internet's architecture is "ossified" or rigid, this model – which is presented through hundreds of examples rather than mathematical notation – encompasses the Internet's original or "classic" architecture, its current architecture, and its possible future architectures. For practitioners, the book offers a precise and realistic approach to comparing design alternatives and guiding the ongoing evolution of their applications, technologies, and security practices. For educators and students, the book presents patterns that recur in many variations and in many places in the Internet ecosystem. Each pattern tells a compelling story, with a common problem to be solved and a range of solutions for solving it. For researchers, the book suggests many directions for future research that exploit modularity to simplify, optimize, and verify network implementations without loss of functionality or flexibility.

TD004.738/Za918

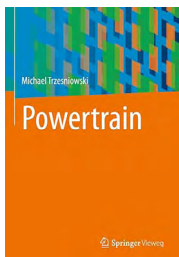


Profillidis, V.A. (2022). *Railway Planning, Management, and Engineering* (5th ed.). Routledge. ISBN 9781032341699

In a rapidly changing world, with increasing competition in all sectors of transportation, railways are currently restructuring their planning, management, and technology. As commercial and pricing policies change and new methods of organization are introduced, a more entrepreneurial spirit is required. At the same time, new high-speed tracks are being constructed and old tracks are being renewed, magnetic levitation trains are in operation, hyperloop systems are being planned, high-comfort rolling stock vehicles are being introduced, logistics and combined transport are being developed. Awareness of environmental issues and the search for greater safety attribute a new role to the railways within the transportation system. Meanwhile, methods of analysis have evolved significantly, principally due to computer applications, the internet revolution, satellite technologies, and artificial intelligence, all of which offer new ways of thinking about and addressing old problems.

The book aims to fulfill the need for a new scientific approach for railways. It is intended to be of use to railway planners, managers, economists, engineers, and students in engineering, transportation, economics, and management. The book deals successively with planning, management, track, rolling stock, safety, and the environment.

TD629.4/Pr746



Trzesniowski, M. (2023).
Powertrain. Springer
Vieweg.
ISBN 9783658398873

In this book, the reader learns the essential differences to the passenger car through the analysis divided according to assemblies. This gives him the tools to apply the detailed knowledge acquired to the design and development of competition vehicles. In the case of internal combustion engines, the focus is on performance-enhancing measures for racing vehicles. From the choice of the number of cylinders to the intake system to the exhaust system, the lever can be applied to every assembly. For electric drives, the traction battery, cell selection, cooling and operating strategy are considered in more detail. Energy recovery systems are an interesting enhancement for hybrid vehicles and all-electric powertrains, especially in strategic considerations for racing. Finally, gearboxes are needed independently of the drive source, albeit matched to it, so that the full potential can be exploited. The detailed, in-depth presentation makes this work just as suitable for the interested motorsport enthusiast as it is for the engineer in the field who is addressing the issues surrounding race car powertrains. The formula material is prepared in such a way that the book can also be used as a reference work.

The content:

- Combustion engines;
- Electric drives;

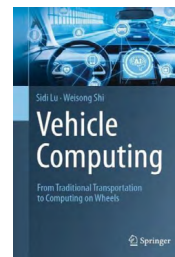
- Hybrid drives;
- Powertrain design;
- Power transmission;
- Fuel system;
- Electrics;
- Electronic driving aids;
- Comparison series-racing;
- Glossary.

The target group:

Students participating in Formula Student competitions – Designers, race engineers and private drivers who want to understand and improve their vehicle – Interested laymen who want to gain a deeper understanding of the race car system based on their knowledge of the car.

This book is a translation of an original German edition. The translation was done with the help of artificial intelligence (machine translation by the service DeepL.com). A subsequent human revision was done primarily in terms of content, so that the book will read stylistically differently from a conventional translation.

TD629.3/Tr982



Lu, S., & Shi, W. (2024).
*Vehicle Computing :
From Traditional
Transportation to
Computing on Wheels*.
Springer.
ISBN 9783031599620

Over the past century, vehicles have predominantly functioned as a means of transportation. However, as vehicular computation and communication capacities continue to expand, it is anticipated that upcoming connected vehicle (CVs) will not only serve their conventional transport functions but also act as versatile mobile computing platforms. This book presents the concept of Vehicle Computing, encompassing five primary functionalities of CVs: computation, communication, energy management, sensing, and data storage. It proposes a potential business model and explores the challenges and opportunities associated with these domains.

Vehicle Computing serves as an important resource for the research community and practitioners in the field of edge computing and cyber physical system, capturing the essence of a rapidly changing industry, addressing the challenges and opportunities associated with connected vehicles, (including software-defined vehicles, autonomous vehicles, electric vehicles) machine learning, communication, sensing, data storage, energy management, and computer systems. It synthesizes the latest research and real-world applications, offering valuable insights to both academia and industry professionals.

Vehicle Computing covers topics such as:

- The fundamentals of Vehicle Computing, including its historical context and key components;
- Advanced communication and networking technologies for connected vehicles;
- Sensing and data acquisition techniques, including edge and cloud computing integration;
- Energy management and storage, focusing on electric vehicle infrastructure and vehicle-to-grid;
- Data storage and processing strategies for vehicular environments;
- Business models, opportunities, and challenges associated with Vehicle Computing;
- Real-world applications and case studies, highlighting best practices and future trends.

TD629/Lu001

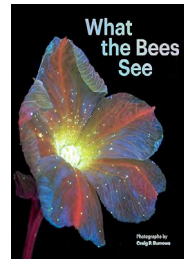


Grozinger, C., & Patch, H. (2024). *The Lives of Bees : A Natural History of Our Planet's Bee Life.* Princeton University Press. ISBN 9780691247298

The Lives of Bees provides a one-of-a-kind look at the life and natural history of bees. Blending stunning photographs and illustrations with illuminating profiles of selected species, this incisive guide takes readers inside the world of these marvelous insects, exploring their physiology, behavior, ecology, evolution, and much more. *The Lives of Bees* is essential reading for nature lovers everywhere.

- Features a wealth of stunning color images;
- Covers everything from the social lives of bees to their conservation;
- Written by two leading experts in the field;
- Discusses the cultural, ecological, and economic interconnections between humans and bees;
- Highlights strategies to support bee populations in backyards, farms, and natural areas.

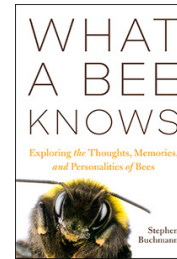
TD638.1/Gr810



Burrows, C.P. (2024). *What the Bees See?* Chronicle Books. ISBN 9781797230184

Dazzling nature photographs shot with ultraviolet technology mimic the honeybee's eyesight, depicting a colorful glowing world of flowers and plants that help us grasp what life looks like to these extraordinary insects. Alongside showcasing these vibrant images, this book delves into the science of pollination and the important role the honeybee plays in the future of humankind with fascinating findings from beekeepers, researchers, and other experts. From the ancient practice of apiculture to recent discoveries of the healing properties of mānuka honey, the humble honeybee's legacy has impacted our lives in immeasurable ways. Reimagine the world from the perspective of a bee, learn about its crucial role in the circle of life, and see what the buzz is all about.

TD638.1/Wh200



Buchmann, S. (2023). *What a Bee Knows : Exploring the Thoughts, Memories, and Personalities of Bees.* Island Press. ISBN 9781642831245

For many of us, the buzzing of a bee elicits panic. But the next time you hear that low drone, look closer and consider that the bee has navigated here for a reason, using a fascinating set of tools. She may be relying on her sensitive olfactory organs to create a 3D scent map. She may be following the instructions of a hive mate or navigating through electrostatic traces left on flowers. The book invites us to follow bees' mysterious paths and experience first-hand their remarkable, alien world.

Although their brains are incredibly small – just one million neurons compared to humans' one hundred billion – bees have remarkable abilities to navigate, learn, communicate, and remember. Entomologist Stephen Buchmann takes us into the field and to the laboratories of noted bee biologists who have spent their careers digging into questions most of us never thought to ask – for example, Do bees dream? With each discovery, Buchmann unveils a richer, deeper understanding of how bees perceive their world and the distinct personalities they exhibit – if we only look close enough to truly see them.

What a Bee Knows will challenge your idea of a bee's place in the world – and perhaps our own.

TD638.1/Bu100

EBSCOhost Ebook Academic Collection



Kearney, H. (2024). *Heart of the Hive : Inside the Mind of the Honey Bee and the Incredible Life Force of the Colony.* Storey Publishing. ISBN 9781635864830

Expert beekeeper and swarm-catcher Hilary Kearney offers a unique window into the social lives and biology of these remarkable creatures, accompanied by the photos of world-renowned bee photographer Eric Tourneret.

Readers will be awestruck by the hive as superorganism and how the individual bee lives and behaves within it, perfectly suited to each specific job it performs. From their intricate dances and information-rich pheromones to how they sense and respond to their environment, learn, and remember, this immersive journey into the world of bees offers an entirely new perspective on the wisdom of nature and our relationship to it.

TD638.1/Ke025



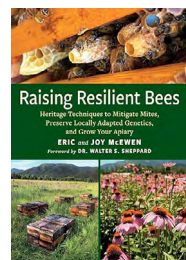
Johnson, B.R. (2023). *Honey Bee Biology*. Princeton University Press. ISBN 9780691204888

Honey bees are marvelously charismatic organisms with a long history of interaction with humans. They are vital to agriculture and serve as a model system for many basic questions in biology. This authoritative book provides an essential overview of honey bee biology, bringing established topics up to date while incorporating emerging areas of inquiry.

Honey Bee Biology covers everything from molecular genetics, development, and physiology to neurobiology, behavior, and pollination biology. Placing special attention on the important role of bees as pollinators in agricultural ecosystems, it incorporates the latest findings on pesticides, parasites, and pathogens. This incisive and wide-ranging book also sheds vital light on the possible causes of colony collapse disorder and the devastating honey bee losses we are witnessing today.

The study of honey bees has greatly expanded in recent years and there is more interest in these marvelous creatures than ever before. *Honey Bee Biology* is the first up-to-date general reference of its kind published in decades. It is a must-have resource for social insect biologists, scientifically savvy beekeepers, and any scientist interested in bees as a model system.

TD638.1/Jo266



McEwen, E., & McEwen, J. (2023). *Raising Resilient Bees*. Chelsea Green Publishing. ISBN 9781645021940

Raising Resilient Bees offers a natural, sustainable, and replicable model for hive health and production, making it the comprehensive source for beekeepers. Increasing pest and disease pressure presents an unprecedented challenge for the modern honey bee. Hobby and commercial beekeepers alike continue to experience troubling rates of mortality for their colonies, with deleterious consequences for the stability of our wider ecosystems and overall food security. It is time for a global focus on restoring the health of the shared apiary through naturally reared, genetically diverse, and resilient lines of bees. The book translates these crucial goals into real-world practice. Authors distill over two decades' worth of beekeeping experience, experiments, and professional production to deliver groundbreaking methods in queen-rearing, varroa mite management, and Natural Nest hive design.

Inside, you'll discover:

- Revived and adapted heritage Integrated Pest Management techniques;
- Methods to naturally rear queens and select for resilient, mite-resistant genetic lines without relying on swarming or grafting;
- Key tenets of apicentric beekeeping;
- Advice for establishing a flourishing and sustainable beekeeping business.

TD638.1/Mc200



Sachs, R., & Mittl, S. (2024). *Bienenbau und Bienenbeute : Die Bedeutung des Kleinklimas für Gesunde Honigbienen*. Haupt Verlag. ISBN 9783258083001

Was haben alle natürlichen Bienenwohnungen gemeinsam? Welche Bedingungen finden Honigbienen hier vor und welchen Einfluss haben diese auf die Bienengesundheit? Wie artgerecht sind moderne Bienenbeuten?

Das vorliegende Buch erläutert die Rolle des Mikrobioms der Honigbienen sowie die Auswirkungen von Temperatur, Luftfeuchte und Kohlendioxid auf Gesundheit und Krankheit, die physikalischen Prozesse im Bienenstock, die Klimaregulation der Honigbienen und die Auswirkungen der Eigenschaften von Bienenwohnungen auf das Kleinklima im Bienenstock. Mit einer umfangreichen Auswertung vorhandener Literatur werden offene Fragen beantwortet und die komplexen Zusammenhänge im Detail besprochen und leicht verständlich dargestellt.

TD638.1/Sa090

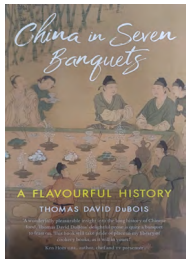


Marchese, C.M. (2024). *The World Atlas of Honey*. University of California Press. ISBN 9780520397705

A beautifully illustrated global survey of the flavor of honey, *The World Atlas of Honey* includes profiles of more than eighty countries and the botanical sources of honey found in each. With text, illustrations, and photos, honey expert C. Marina Marchese takes readers through the global history of honey production, from the earliest beekeepers to today's harvests.

This colorful guide celebrates the exceptional range and diversity of honey, revealing how terroir – the environment in which a food is produced – influences honey's qualities just as it does for wine, olive oil, coffee, and chocolate. The book also covers the methods used by honey sommeliers to taste and evaluate honey. Unique and authoritative, *The World Atlas of Honey* puts honey on the culinary map and elevates it to an epicurean treasure.

TD638.1/Ma557



Dubois, T.D. (2024). *China in Seven Banquets : A Flavourful History*. Reaktion Books. ISBN 9781789148619

China in Seven Banquets ranges through 5,000 years of China's food history in seven iconic meals, from the ancient Eight Treasures fête to the 'Tail-Burning Banquet' of the Tang dynasty and the Qing court's extravagant 'Complete Manchu-Han Feast'. We also experience lavish repasts from literature and film, a New Year's buffet from 1920s Shanghai and a delivery menu from the hyperglobal twenty-first century, even peeking into the tables of the not-too-distant future. Drawing on decades of experience eating his way around China, Beijing-based historian Thomas David Dubois explains why culinary fashions come and go, and recreates dozens of historical recipes in a modern kitchen. From fermented elk to absinthe cocktails, this is Chinese food as you've never seen it before.

TD641.568(510)/Du052



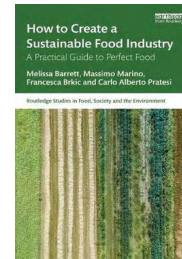
Zee, M. (2024). *Zao Fan : Breakfast of China*. Bloomsbury Publishing. ISBN 9781526657282

At dawn, the streets of China come alive with vendors setting up for zao fan, the morning meal, with everything from spicy noodles to plump dumplings and fluffy buns on offer.

Michael Zee, the creator of @SymmetryBreakfast, has eaten his way around China, learning from chefs who have perfected their recipes over generations.

With Michael as your guide, be transported to kitchens across the country and uncover the secrets to recreating the most delicious breakfasts of China at home.

TD641.568(510)/Ze090



Barrett, M., Marino, M., Brkic, F., & Pratesi, C.A. (2024). *How to Create a Sustainable Food Industry : A Practical Guide to Perfect Food*. Routledge. ISBN 9781032516882

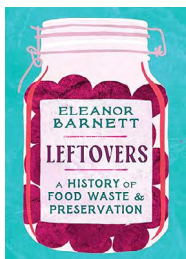
This book presents a practical guide to help businesses navigate the complex topics of sustainability in the food industry.

The book takes you on a journey along the food value chain, from farm to fork, exploring key opportunities to increase positive impacts and circularity at each step of the journey. Written by a team of authors with decades of experience in the food industry and academia, it provides guidance on how to analyse sustainability across the value chain and life cycle of a food product and how to design, implement and communicate strategies to customers. Furthermore, the book shows that there are not always straightforward solutions, but rather choices and trade-offs that require an understanding of what is best suited to the product, customers and business in question. It demystifies a variety of topics, such as local sourcing, regenerative agriculture, plant-based protein and the environmental impact of meat production, and draws on a wide range of case studies from across the globe, to provide concrete, real-world examples. While a perfect food system may not exist, informed decisions can go a long way to reshape and transform the food industry as we know it.

This book will be of great interest to professionals working in the food and agricul-

ture industries, as well as students and scholars of sustainable food systems and sustainable business.

TD664/Ho930



Barnett, E. (2024). *Leftovers: A History of Food Waste & Preservation*. Head of Zeus. ISBN 9781803281575

A topical and richly entertaining history of food preservation and food waste in Britain from the sixteenth-century kitchen to the present day.

In *Leftovers*, Eleanor Barnett explores the many ingenious ways in which our ancestors sought to extend the life of food through preservation, the culinary reuse of leftovers and the recycling of food scraps. Embracing a broad historical lens, the book spans Tudor household management; the world-changing inventions in food preservation of the Industrial Revolution from the tin can to artificial refrigeration; the growth of public health initiatives and organised food waste collection in the Victorian era; state promotion of thrifty eating during the two World Wars; and the politics of food and packaging waste in the modern era of sustainability.

Opening a window on the everyday experiences of ordinary people in the past, *Leftovers* reveals how factors such as religious belief, class identities and gender have historically shaped attitudes towards food waste. At a time when a third of the food we produce globally is wasted, *Leftovers* links its central historical focus to humanitarian and environmental issues of urgent contemporary interest – including climate change, globalisation, scientific advancement, poverty and inequality.

TD664/Ba681



Grescoe, T. (2023). *The Lost Supper: Searching for the Future of Food in the Flavors of the Past*. Greystone Books. ISBN 9781771647632

The world can't sustain the way we eat today. Whether it's ultra-processed oils, factory-farmed meat, or monoculture wheat, industrial agriculture has increasingly dire consequences for the vibrancy of our plates, health, and planet. While some look to high-tech solutions, like lab-grown meat or transgenic produce, Taras Grescoe argues that the future of our food lies in the diversity of the past.

In *The Lost Supper*, Grescoe searches for the flavors, many forgotten or on the verge of extinction, that tell the stories of civilizations: "Aztec caviar" from a vanishing lake in Mexico; *garum*, the secret umami ingredient of Ancient Roman cuisine; acorn-fed feral pigs on one of Georgia's barrier islands; and camas, a staple of Northwest Coast Indigenous Peoples. He chronicles a growing movement of archaeologists, farmers, and food producers who are unearthing the nourishing and sustainable foods of the past – from Neolithic sourdough and farmhouse cheese to wild olives and long-thought-extinct plants – along with chefs and enthusiasts who are bringing history alive in their own kitchens.

A deep dive into the archaeology of taste and an impassioned manifesto for the future of food, the book sets out a provocative case: in order to save ourselves, we need to think – and eat – much more like our ancestors did.

TD641(09)/Gr432

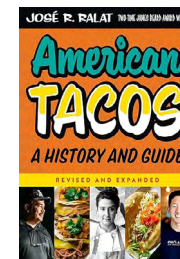


Motz, G. (2023). *The Great American Burger Book: How to Make Authentic Regional Hamburgers at Home*. Abrams. ISBN 9781419765148

The Great American Burger Book was the first book to showcase a wide range of regional burger styles and cooking methods. In this new, expanded edition, author and burger expert George Motz covers traditional grilling techniques as well as how to smoke, steam, poach, smash, and deep-fry burgers based on signature recipes from around the country.

Each chapter is dedicated to a specific regional burger and includes the history of the method and details on how to create your own piece of American food history right at home. This new edition includes even more regional burger recipes and a few international interpretations of this classic American dish.

TD641.568(73)/Mo867



Ralat, J.R. (2024). *American Tacos: A History and Guide*. University of Texas Press. ISBN 9781477329368

In search of every taco variety from California to Texas and beyond, José R. Ralat tastes famous Tex-Mex tacos like the puffy taco and breakfast taco, then tracks down the regional hybrid tacos of the American South and the modern, chef-driven tacos of restaurants everywhere. Throughout, he tells the story of how each style of taco came to be, creating a rich look at the diverse taco landscape north of the border. Now updated with more cities and more styles to reflect today's taco landscape, *American Tacos* is the book for every hungry fan.

TD641.568(73)/Ra410



Godman, K. (2024). *Gothic Fashion The History: From Barbarians to Haute Couture*. Unicorn Publishing Group. ISBN 9781916846104

From the ancient barbarians responsible for the fall of Rome to the black-lipped teenager updating their Instagram from a graveyard, Goths have been with us for a long time. Ideas about what is Gothic have changed and mutated, but a fascination with the dark and dramatic has remained a constant. *Gothic Fashion The History* charts Gothic dress from its ancient and medieval origins to its various revivals and romanticised rebirths, examining its cultural inspirations including folklore, 19th-century novels, the silver screen and rock music.

Gothic Fashion The History provides an in-depth overview of the evolution of the darker side of style.

TD687(09)/Go115

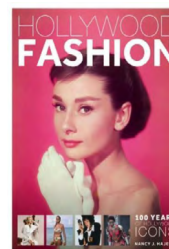


Akou, H. (2024). *On the Job: A History of American Work Uniforms*. Bloomsbury Visual Arts. ISBN 9781350349384

Through a variety of archival documents, artefacts, illustrations, and references to primary and secondary literature, *On the Job* explores the changing styles, business practices, and lived experiences of the people who make, sell, and wear service-industry uniforms in the United States. It highlights how the uniform business is distinct from the fashion business, including how manufacturing developed outside of the typical fashion hubs such as New York City; and gives attention to the ways that various types of employers (small business, corporate, government, and others) differ in their ambitions and regulations surrounding uniforms.

On the Job sheds new light on an understudied yet important field of dress and clothing within everyday life, and is an essential addition to any fashion historian's library, appealing to all those interested in material culture, the service industry, aesthetic heritage, and history.

TD687(09)/Ak508



Hajeski, N.J. (2024). *Hollywood Fashion: 100 Years of Hollywood Icons*. Firefly Books. ISBN 9780228105039

This engaging pictorial book explores the art and legacy of the cinematic costume designer, starting with the birth of the modern motion picture industry on a prime piece of California real estate known as Hollywood.

Readers will discover how film clothing evolved from actors and actresses selecting items from their home wardrobes... to customized outfits – everything from suits of armour to ball gowns to office attire to lingerie – created by a studio designer and a dedicated staff of costumers.

They will also encounter the actress from each decade who displayed a distinct fashion sense, on and off the screen, women who made a costumer's job less demanding by embodying the character and evoking the time, place, and circumstances the designer wished to portray.

There are also a number of "feature" spreads scattered throughout each chapter that include:

- Style Makers, offering close-up biogs of the legendary designers and showcasing their most outstanding creations;
- Style Trends, exploring social movements and cultural phenomena that affected movie costumes and further influenced how America – and the world – dressed;
- Key Styles, addressing different movie

genres and how designers met the challenge of outfitting showgirls, cowboys, soldiers, vampires, and starship crews;

- Album of Trendsetters, highlighting Oscar fashions and introducing the fans' favorite Blondes, Brunettes and Redheads;

- Men of the Decade, showing how male actors used fashion – contemporary, historical, or futuristic – to create a character or enhance ambience.

Ultimately, the book will leave readers with a wider understanding of film costuming and an increased appreciation for the men and women who clothed the stars... and made the spellbinding world of the American cinema that much more memorable.

TD687.16/Ha221



Spicher, M.R., Bernat, S.M., & Domoszalai-Lantner, D. (Eds.). (2024). *Digital Fashion : Theory, Practice, Implications.* Bloomsbury Visual Arts. ISBN 9781350359628

This collection of topical essays by academics and industry professionals offers unique insights into the history, advancements, and potential of the field. The first section traces the evolution of digital fashion from historical, philosophical, and neuroaesthetic perspectives. In the second section, practical aspects take center stage including collaborations between luxury brands and toy companies, online sneaker culture, and innovative models for interdisciplinary education.

The third section delves into the economic and ethical implications of digital fashion, including African decoloniality and social equity. Finally, the fourth section looks to the future, discussing groundbreaking projects blurring the lines between the real and digital worlds.

Digital Fashion: Theory, Practice, Implications is an indispensable resource for scholars, students, and industry professionals seeking a rounded view of this dynamic field.

TD687/DI417



Cooper, M. (2023). *Fans : Building and Refining a Collection.* The Crowood Press. ISBN 9780719842733

For centuries, fans have been used to keep cool, hide behind and even communicate. Made from a variety of different materials in innumerable styles, from the simple and utilitarian to the beautifully ornate, they have long fascinated fashionistas the world over. Now they are often collectors' items, with many commanding high prices at auction.

Starting with a brief history of the fan, *Fans* then moves on to look at the many fan styles and fashion trends. It explains the terminology used for shapes and materials, illustrating how new inventions led to more versatility for fan makers. It then finishes with a look at more practical matters, such as how to clean and store your fan collection and where to research the origins of your fans.

Including over 250 stunning photographs, most of which have never before been published, this book gives a helping hand to both the fan novice and the experienced collector alike, making this beautiful and informative volume essential reading for all fan lovers.

TD687.25/Co554



Saunders, A. (2024). *Design, Manufacture and Sell Your Bag Collection.* Bloomsbury Visual Arts. ISBN 9781350346604

Handbag design is more than just a creative pursuit – it's also a business. This book is a practical guide to developing your design skills alongside the vital business know-how you'll need to avoid costly mistakes. Ann Saunders leads you through the whole process from initial concepts through to sampling, manufacturing, marketing and retail. You'll learn how to navigate the challenges of sourcing materials, finding a manufacturer, creating a bespoke brand, developing a sales strategy and growing your business.

Throughout the book Ann's former students, who have established their own successful brands, share their real-world insights into the challenges of becoming a designer/entrepreneur in today's highly competitive accessories market.

TD688.35/Sa863



Edwards, N. (2024). *The Virtues of Underwear : Modesty, Flamboyance and Filth.* Reaktion Books. ISBN 9781789149562

Stories are woven into the fabric of our most personal garments. From the first loin-cloths to the intricate layers of shapewear, the concealed world of underwear is capable of expressing individual desire and also aspects of society at large.

An indicator of the vagaries of fashion, underwear can be simple or elaborate. It both safeguards and exposes, reflecting our hopes and experiences. Underwear can embarrass and excite, amuse and shame us. This book illuminates the sometimes profound significance of the garments we wear beneath our outer clothing. It discusses the history of both women's and men's underwear, and global cultures of dress.

TD687(09)/Ed930