

Routledge

Medicine and Veterinary  
Medicine Catalogue  
July - December 2023  
New and Forthcoming Titles



# Welcome

Welcome to the July to December 2023 Medicine and Veterinary Medicine Catalogue.

We welcome your feedback on our publishing programme, so please do not hesitate to get in touch – whether you want to read, write, review, adapt or buy, we want to hear from you, so please visit our website below or please contact your local sales representative for more information.

[www.routledge.com](http://www.routledge.com)

*Prices are correct at time of going to press and may be subject to change without notice.*

*Some titles within this catalogue may not be available in your region.*

---

## eBooks

We have over 50,000 eBooks available across the Humanities, Social Sciences, Behavioural Sciences, Built Environment, STM and Law, from leading Imprints, including Routledge, Focal Press and Psychology Press. These eBooks are available for both individual and institutional purchase.

### INDIVIDUALS

Our eBooks are available from Amazon, Apple iBookstore, Google eBooks, Ebooks.com, Kobo, Barnes & Noble, Waterstones, Mobipocket, VitalSource, and CourseSmart.

### LIBRARIES AND INSTITUTIONS

Subscribe to or purchase a wide range of eBook packages or pick and mix your own from our complete collection (a minimum number of titles applies). FREE TRIALS are available. For more information, please visit [www.tandfebooks.com](http://www.tandfebooks.com) or contact your local sales team.

### eUpdates

Register your email at [www.tandf.co.uk/eupdates](http://www.tandf.co.uk/eupdates) to receive information on books, journals and other news within your area of interest.

an **informa** business

*Prices, publication dates and content are correct at time of going to press, but may be subject to change without notice.*

## Partnership Opportunities at Routledge

At Routledge we always look for innovative ways to support and collaborate with our readers and the organizations they represent.

If you or your organization would like to discuss partnership opportunities, from reciprocal marketing activities to commercial enterprises, please do get in touch on [partnerships@routledge.com](mailto:partnerships@routledge.com).

## Considering Books for Course Use?



This symbol shows books that are available as complimentary exam copies for lecturers or faculty considering them for course adoption. To obtain your copy visit the URL listed beneath the title in the catalog and select your choice of print or electronic copy.

Visit [www.routledge.com](http://www.routledge.com) or in the US you can call 1-800-634-7064.



This symbol shows books that are available as electronic inspection copies only.

For a complete list, visit: [www.routledge.com/representatives](http://www.routledge.com/representatives).

## Trade Customers\ Representatives, Agents and Distribution

For a complete list, visit: [www.routledge.com/representatives](http://www.routledge.com/representatives).

# Contents

Bio-Medical Engineering .....	1
Cardiology .....	6
Dermatology .....	8
Diagnostic Imaging .....	9
Endocrinology .....	10
Forensic Science .....	11
General Medicine & Primary Health Care .....	12
Medical Education .....	14
Microbiology .....	15
Neuropathology .....	16
Obstetrics, Gynaecology & Women's Health .....	17
Oncology .....	18
Ophthalmology .....	19
Paediatrics & Child Health .....	20
Pulmonary Medicine .....	21
Reproductive Medicine .....	22
Surgery .....	23
Veterinary Medicine .....	25
<b>Index .....</b>	<b>27</b>

## 3D Printing and Bioprinting for Pharmaceutical and Medical Applications



*Edited By* Jose Luis Pedraz Muñoz, Laura Saenz del Burgo

Martínez, Gustavo Puras Ochoa, Jon Zarate Sesma

*Series: Emerging Materials and Technologies*

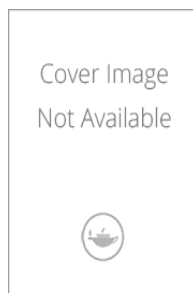
The increasing availability and decreasing costs of 3D printing and bioprinting technologies are expanding opportunities to meet medical needs. 3D Printing and Bioprinting for Pharmaceutical and Medical Applications discusses emerging approaches related to these game changer technologies in such areas as drug development, medical devices, and bioreactors. It offers an overview of applications, the market, and regulatory analysis. This book serves as an ideal reference for students, researchers and professionals in materials science, bioengineering, the medical industry, and healthcare.

CRC Press  
September 2023:338  
Hb: 978-1-032-22866-2: £120.00

\* For full contents and more information, visit: [www.routledge.com/9781032228662](http://www.routledge.com/9781032228662)

## Bioethanol Fuel Production Processes. I

Biomass Pretreatments



*Edited By* Ozcan Konur

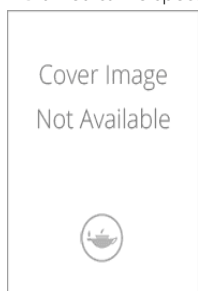
This book presents research on biomass pretreatments which are the fundamental part of bioethanol fuel production to make biomass more accessible. The book also covers the process of biomass saccharification to produce fermentable sugars for bioethanol fuel production. This book is intended for students, researchers, engineers, biotechnicians, biochemist and chemical engineers working on the production of bioethanol fuels.

CRC Press  
December 2023:432  
Hb: 978-1-032-12751-4: £140.00

\* For full contents and more information, visit: [www.routledge.com/9781032127514](http://www.routledge.com/9781032127514)

## Applied Artificial Intelligence

A Biomedical Perspective



*Edited By* Swati V. Shinde, Varsha Bendre, Jude Hemanth, M.A. Balafar

*Series: Biomedical and Robotics Healthcare*

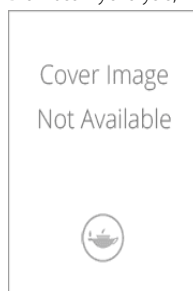
This book explores the advancements and future challenges in biomedical application developments using breakthrough technologies like AI, IoT, and Signal Processing. It will also contribute to biosensors, MEMS, and related research. The chapters include a blend of many healthcare use cases using AI as a solution that can be readily deployed by the industry. The book will be beneficial to the researchers, industry persons, faculty, and students working in biomedical applications of Computer Science and Electronics Engineering. It will also be a useful resource for teaching courses like AI/ML, Medical IoT, Signal Processing, Biomedical Engineering, and Medical Image Analysis.

CRC Press  
September 2023:384  
Hb: 978-1-032-34914-5: £99.99

\* For full contents and more information, visit: [www.routledge.com/9781032349145](http://www.routledge.com/9781032349145)

## Bioethanol Fuel Production Processes. II

Biomass Hydrolysis, Fermentation, and Bioethanol Fuel Separation



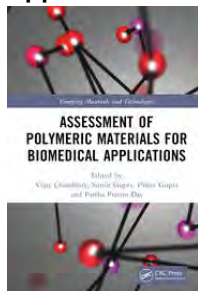
*Edited By* Ozcan Konur

This book provides the latest research on biomass hydrolysis, hydrolysate fermentation, and bioethanol fuel separation. The book also covers biomass biorefineries and their role to reduce production costs by producing additional products such as power, heat, animal feed, biodiesel, biogas, and biochemicals. This book is intended for students, researchers, engineers, biotechnicians, biochemist and chemical engineers working on the production of bioethanol fuels.

CRC Press  
December 2023:456  
Hb: 978-1-032-12750-7: £140.00

\* For full contents and more information, visit: [www.routledge.com/9781032127507](http://www.routledge.com/9781032127507)

## Assessment of Polymeric Materials for Biomedical Applications



*Edited By* Vijay Chaudhary, Sumit Gupta, Pallav Gupta, Partha Pratim Das

*Series: Emerging Materials and Technologies*

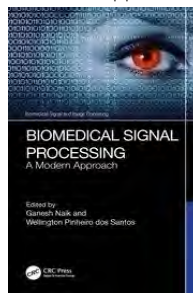
This book initiates with an introduction to polymeric materials, followed by various classifications and properties of polymeric implant material including various development methods of polymeric materials and their characterization techniques. An overview of various toxicology assessments of polymeric materials and polymeric materials for drug delivery system is also included. Design and Analysis of Polymeric Materials based Components using ANSYS Software alongwith polymeric materials for additively manufactured artificial organs is also discussed. This book is aimed at graduate students and researchers in biomaterials, biomedical engineering, composites, and polymers.

CRC Press  
August 2023:264  
Hb: 978-1-032-33324-3: £140.00

\* For full contents and more information, visit: [www.routledge.com/9781032333243](http://www.routledge.com/9781032333243)

## Biomedical Signal Processing

A Modern Approach



*Edited By* Ganesh Naik, Wellington Pinheiro dos Santos

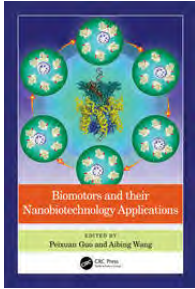
*Series: Biomedical Signal and Image Processing*

This book presents the theoretical basis and applications of biomedical signal analysis and processing. Initially, the nature of the most common biomedical signals, such as electroencephalography, electromyography, electrocardiography and others, is described. The theoretical basis of linear signal processing is summarized, with continuous and discrete representation, linear filters and convolutions, Fourier and Wavelets transforms. Machine learning concepts are also presented, from classic methods to deep neural networks. Finally, several applications in neuroscience are presented and discussed, involving diagnosis and therapy, in addition to other applications.

CRC Press  
September 2023:320  
Hb: 978-1-032-06191-7: £125.00

\* For full contents and more information, visit: [www.routledge.com/9781032061917](http://www.routledge.com/9781032061917)

## Biomotors and their Nanobiotechnology Applications



Edited By Peixuan Guo, Aibing Wang

A collection of reviews and research articles by the top academics in the field, this book provides a glimpse of the cutting-edge technology and research being carried out and shows how researchers are utilizing this knowledge to develop new areas of study and novel applications. It serves as a valuable resource while exploring the latest advances in virus particle assembly and demonstrating how the knowledge of fundamental processes have been used to advance bio-nanotechnology. Chapters detail biophysical approaches and biomotor research, discuss the latest advances in DNA/RNA nanoparticle assembly and use, and introduce the use of DNA/RNA nanoparticles for drug delivery.

CRC Press  
July 2023:436  
Hb: 978-0-367-19613-4: £180.00  
\* For full contents and more information, visit: [www.routledge.com/9780367196134](http://www.routledge.com/9780367196134)

## Combating Women's Health Issues with Machine Learning Challenges and Solutions



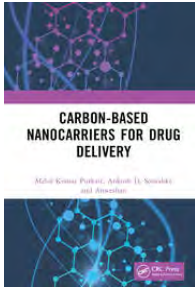
Edited By Jude Hemanth, Meenu Gupta

Series: *Biomedical and Robotics Healthcare*

The main focus of this book is the examination of health issues faced by women and the role of machine learning can play as a solution to these challenges. It will illustrate advanced, innovative techniques/frameworks/concepts/ methodologies of machine learning which will enhance the future healthcare system. This book is intended for medical researchers, healthcare technicians, scientists,, programmers, and graduate-level students interested looking to better understand and develop applications of ML/DL in healthcare scenarios, especially in relation to female health conditions.

CRC Press  
October 2023:352  
Hb: 978-1-032-45519-8: £110.00  
\* For full contents and more information, visit: [www.routledge.com/9781032455198](http://www.routledge.com/9781032455198)

## Carbon-Based Nanocarriers for Drug Delivery

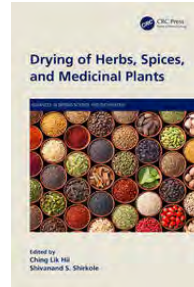


Edited By Mihir Kumar Purkait, Ankush D. Sontakke, A. Anweshan

This book enlists the latitudes and advancements in the synthesis processes, functionalization, and applications of carbon-based nanomaterials (CBNs) in targeted drug delivery systems (DDS). It covers applicability and suitability of CBNs as nanocarriers for efficient drug delivery application via elucidating the recent advancements in CBNs, their functionalized and innovative derivatives, and the relevant case studies. It explores the necessity, efficacy, toxicological aspects, and challenges for application of CBN in targeted DDS. The book is aimed at researchers and graduate students in materials and pharmaceutical engineering including drug delivery systems.

CRC Press  
October 2023:416  
Hb: 978-1-032-41444-7: £150.00  
\* For full contents and more information, visit: [www.routledge.com/9781032414447](http://www.routledge.com/9781032414447)

## Drying of Herbs, Spices, and Medicinal Plants



Edited By Ching Lik Hii, Shivanand S. Shirkole

Series: *Advances in Drying Science and Technology*

Drying of Herbs, Spices, and Medicinal Plants presents processing aspects of these three major global agricultural commodities. It offers insight into the drying and product quality of herbs, spices, and medicinal plants such as drying characteristics, equipment selection, physicochemical analyses, quality improvement, product development, storage, and shelf life, as well as future developments. Featuring chapters from expert authors in both industry and academia, this book is an important resource for those working in chemical, food processing, pharma, and biotech industries, especially those focused on drying of plants for food and medicinal applications.

CRC Press  
September 2023:254  
Hb: 978-1-032-21616-4: £140.00  
\* For full contents and more information, visit: [www.routledge.com/9781032216164](http://www.routledge.com/9781032216164)

## Cellulose

Development, Processing, and Applications



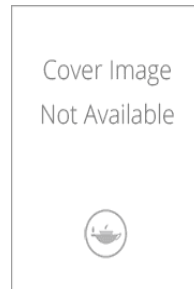
Edited By Abu Zahrim Yaser, Mohd Sani Sarjadi, Junidah Lamaming

This book covers topics related to advanced cellulose development and processing, as well as the utilization of major agricultural and biomass waste. It discusses the utilization of cellulose from other agricultural and biomass materials, including oil palm biomass, bamboo, and other non-wood forest products in emerging areas. It covers the treatments used to improve the quality of cellulosic materials in specific applications. Following that, the book delves into the use of cellulosic materials in the application of composting science and technology. This book is aimed at researchers and graduate students in chemical engineering, bioprocessing, composites, and biotechnology.

CRC Press  
September 2023:342  
Hb: 978-1-032-41438-6: £140.00  
\* For full contents and more information, visit: [www.routledge.com/9781032414386](http://www.routledge.com/9781032414386)

## Evaluation and Utilization of Bioethanol Fuels. I.

Evaluation of Bioethanol Fuels, Transport Engines, and Bioethanol Sensors



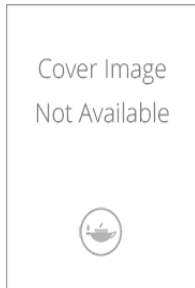
Edited By Ozcan Konur

This book employs an interdisciplinary approach covering science, technology, environment, and social sciences regarding the utilization and evaluation of bioethanol fuels. The book discusses bioethanol fuels in transport engines such as gasoline and diesel engines as well as the evaluation of bioethanol fuels. This book is intended for students, researchers, engineers, biotechnicians, biochemist and chemical engineers working on the production of bioethanol fuels.

CRC Press  
December 2023:416  
Hb: 978-1-032-12756-9: £140.00  
\* For full contents and more information, visit: [www.routledge.com/9781032127569](http://www.routledge.com/9781032127569)

## Evaluation and Utilization of Bioethanol Fuels. II.

Biohydrogen Fuels, Fuel Cells, Biochemicals, and Country Experiences



Cover Image  
Not Available



CRC Press  
December 2023:430  
Hb: 978-1-032-12761-3: £140.00

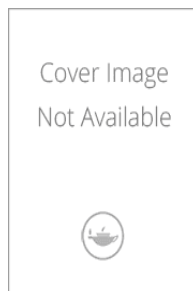
\* For full contents and more information, visit: [www.routledge.com/9781032127613](http://www.routledge.com/9781032127613)

Edited By **Ozcan Konur**

This book covers the bioethanol fuels in electric cars and other products. Topics include bioethanol fuel-based biohydrogen fuel production, bioethanol fuel-based bioelectricity production, bioethanol fuel-based biochemical and biohydrocarbon production, and the development of bioethanol sensors. This book is intended for students, researchers, engineers, biotechnicians, biochemist and chemical engineers working on the production of bioethanol fuels.

## Feedstock-based Bioethanol Fuels. II. Waste Feedstocks

Agricultural, Food, Industrial, Urban, Forestry, and Lignocellulosic Waste-based Bioethanol Fuels



Cover Image  
Not Available



CRC Press  
December 2023:426  
Hb: 978-1-032-12754-5: £140.00

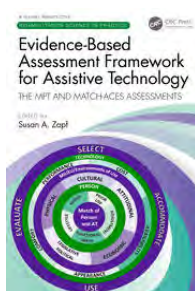
\* For full contents and more information, visit: [www.routledge.com/9781032127545](http://www.routledge.com/9781032127545)

Edited By **Ozcan Konur**

This book aims to inform readers about the recent developments in feedstock-based bioethanol fuel production. Topics include waste, algal, syngas, and other biomass-based bioethanol fuel production. Each section includes the latest trends in the field as well as multidisciplinary reviews and case studies on the topics. This book is intended for students, researchers, engineers, biotechnicians, biochemist and chemical engineers working on the production of bioethanol fuels.

## Evidence-Based Assessment Framework for Assistive Technology

The MPT and MATCH-ACES Assessments



CRC Press  
June 2023:270  
Hb: 978-0-367-46108-9: £100.00  
eBook: 978-1-003-02823-9

\* For full contents and more information, visit: [www.routledge.com/9780367461089](http://www.routledge.com/9780367461089)

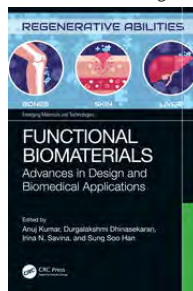
Edited By **Susan A. Zapf**

Series: *Rehabilitation Science in Practice Series*

The primary focus of this book is to educate the reader on the Matching Person and Technology model and assessment process that will guide the reader on consumer-centered assistive technology assessment and outcome measures designed to be used for individual of all ages and all types of disabilities. This book is targeted to the AT providers and policy makers (healthcare, education, and rehabilitation engineering), the university student pursuing a career in these areas, and the consumer of assistive technology.

## Functional Biomaterials

Advances in Design and Biomedical Applications



CRC Press  
September 2023:334  
Hb: 978-1-032-17089-3: £150.00

\* For full contents and more information, visit: [www.routledge.com/9781032170893](http://www.routledge.com/9781032170893)

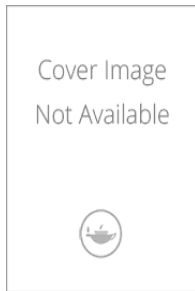
Edited By **Anuj Kumar, Durgalakshmi Dhinasekaran, Irina Savina, Sung Soo Han**

Series: *Emerging Materials and Technologies*

With the emergence of additive manufacturing, mass customization of biomaterials for complex tissue regeneration and targeted drug delivery applications is possible. This book emphasizes the fundamental concepts of biomaterials science, their structure-property relationships and processing methods, and biological responses in biomedical engineering. It focuses on recent advancements in biomedical applications, such as tissue engineering, wound healing, drug delivery, cancer treatments, bioimaging, and therapeutics. This volume serves as a reference for multi-disciplinary students and research professionals in materials science, biomedical engineering, and healthcare and medical fields.

## Feedstock-based Bioethanol Fuels. I. Non-Waste Feedstocks

Starch, Sugar, Grass, Wood, Cellulose, Algae, and Biosyngas-based Bioethanol Fuels



Cover Image  
Not Available



CRC Press  
December 2023:478  
Hb: 978-1-032-12752-1: £140.00

\* For full contents and more information, visit: [www.routledge.com/9781032127521](http://www.routledge.com/9781032127521)

Edited By **Ozcan Konur**

This book aims to inform readers about the recent developments in feedstock-based bioethanol fuel production. Topics include starch-based, sugar-based, grass-based, and wood-based bioethanol fuel production. This is the third volume in the Bioethanol Fuel Handbook: Science, Technology, Environment, and Social Sciences (six-volume set). This book is intended for students, researchers, engineers, biotechnicians, biochemist and chemical engineers working on the production of bioethanol fuels.

## Healthcare Industry 4.0

Computer Vision-Aided Data Analytics



CRC Press  
August 2023:186  
Hb: 978-1-032-38515-0: £82.99  
eBook: 978-1-003-34541-1

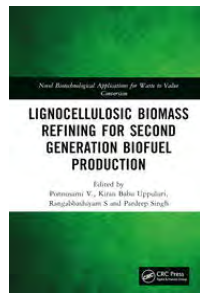
\* For full contents and more information, visit: [www.routledge.com/9781032385150](http://www.routledge.com/9781032385150)

Edited By **P. Karthikeyan, Polinapilinho F. Katina, R. Rajagopal**

Series: *Computational Intelligence Techniques*

This book covers computer vision-based applications in digital health care industry 4.0 including different computer vision techniques, image classification, image segmentations, and object detection. Various application case studies from domains such as science, engineering, and social networking are introduced, along with their architecture and how they leverage various technologies as edge computing and cloud computing.

## Lignocellulosic Biomass Refining for Second Generation Biofuel Production



*Edited By* Ponnusami V., Kiran Babu Uppuluri, Rangabhashiyam S, Pardeep Singh

*Series: Novel Biotechnological Applications for Waste to Value Conversion*

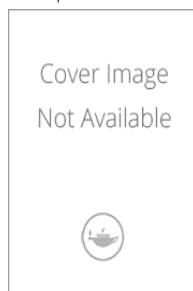
The book compiles research aspects of second generation (2G) biofuel production specifically sourced from lignocellulose biomass with the direction of biorefinery means. It focuses on the valorization of different sources of 2G biofuels and their relative importance. The constituents of lignocelluloses and their potential characteristics, end utilization of biofuel from production are discussed. Different means of treatments of lignocellulose through physical, physico-chemical, microbial, and enzymatic approaches are included. The book aims at researchers and professionals in renewable energy, biofuel, bioethanol, lignocellulose conversion, fermentation, and chemical engineering.

CRC Press  
July 2023:306  
Hb: 978-1-032-06700-1: £115.00  
eBook: 978-1-003-20345-2

\* For full contents and more information, visit: [www.routledge.com/9781032067001](http://www.routledge.com/9781032067001)

## Materials for Medical Applications

Principles and Practices



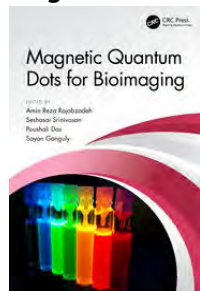
*Edited By* Firdos Alam Khan

This book discusses advanced knowledge about the synthesis and application of materials in the medical field for diagnostic and therapeutic conditions. These materials have been extensively used in various biological and medical applications especially in drug delivery, tumor screening, bioimaging, diagnosis, and also in therapies. This book is intended for researchers, material scientists, and students in bioengineering, biomedical engineering and biopharmaceuticals, working on the development of biomaterials.

CRC Press  
August 2023:304  
Hb: 978-1-032-32017-5: £120.00

\* For full contents and more information, visit: [www.routledge.com/9781032320175](http://www.routledge.com/9781032320175)

## Magnetic Quantum Dots for Bioimaging



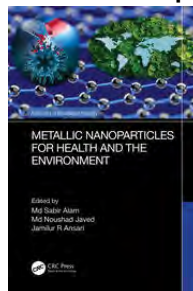
*Edited By* Amin Reza Rajabzadeh, Seshasai Srinivasan, Poushali Das, Sayan Ganguly

Highly luminescent quantum dots combined with magnetic nanoparticles (MNPs) or ions form an exciting class of new materials for bioimaging. These materials can be prepared in cost-effective ways and show unique optical behaviours. Magnetic Quantum Dots for Bioimaging explores leading research in the fabrication, characterization, properties, and application of magnetic quantum dots in bioimaging. This comprehensive reference offers a roadmap of the use of these innovative materials for researchers, academics, technologists, and advanced students working in materials engineering and sensor technology.

CRC Press  
June 2023:303  
Hb: 978-1-032-32146-2: £140.00  
eBook: 978-1-003-31987-0

\* For full contents and more information, visit: [www.routledge.com/9781032321462](http://www.routledge.com/9781032321462)

## Metallic Nanoparticles for Health and the Environment



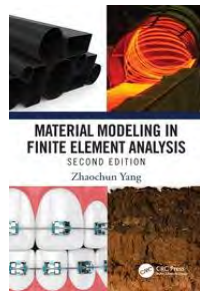
*Edited By* Md Sabir Alam, Md Noushad Javed, Jamilur R Ansari

*Series: Advances in Bionanotechnology*  
Metallic Nanoparticles for Health and the Environment covers different routes of synthesis for metallic nanoparticles and their process variables. Both functions and roles of these particles as a drug delivery system, diagnostic agent, and other potential therapeutics purposes against metabolic disorders, photo-catalysis applications, as well as wastewater treatments are discussed. It compares different properties among bulk form metallic to their nanoparticulated forms. It discusses mechanisms and impacts of different process variables in different synthesis routes as well as emerging trends in clinics and so forth..

CRC Press  
October 2023:432  
Hb: 978-1-032-32912-3: £145.00

\* For full contents and more information, visit: [www.routledge.com/9781032329123](http://www.routledge.com/9781032329123)

## Material Modeling in Finite Element Analysis



*Edited By* Zhaochun Yang

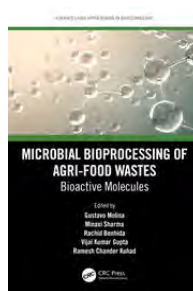
Finite element analysis has been widely applied in mechanical, civil, and biomedical design. This book aims to provide the readers with comprehensive views of various material models through practical examples, which would help readers better understand various materials and build appropriate material models in the finite element analysis. The book presents some specific problems including the metal forming process, combustion room, Mullins effect of rubber tire, viscoelasticity of liver soft tissues, small punch test, tunnel excavation, slope stability, concrete slump test, orthodontic wire, and piezoelectric microaccelerometer.

CRC Press  
November 2023:368  
Hb: 978-1-032-56602-3: £115.00

\* For full contents and more information, visit: [www.routledge.com/9781032566023](http://www.routledge.com/9781032566023)

## Microbial Bioprocessing of Agri-food Wastes

Bioactive Molecules



*Edited By* Gustavo Molina, Minaxi Sharma, Rachid Benhida, Vijai Kumar Gupta, Ramesh Chander Kuhad

*Series: Advances and Applications in Biotechnology*

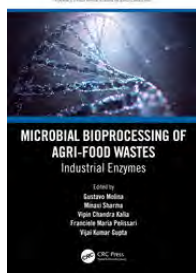
This book gives a comprehensive overview of recent advances in the valorization of agri-food waste and discusses the main process conditions needed to overcome the difficulties of using waste as alternative raw materials. The authors provide technical concepts on the production of various bio-products and their commercial interest including agri-food waste utilization in the microbial synthesis of proteins, as well as other food and pharmacological applications. This book is intended for bioengineers, biologists, biochemists, biotechnologists, microbiologists, food technologists, enzymologists, and related professionals and researchers.

CRC Press  
June 2023:330  
Hb: 978-0-367-62518-4: £110.00  
eBook: 978-1-003-12897-7

\* For full contents and more information, visit: [www.routledge.com/9780367625184](http://www.routledge.com/9780367625184)

## Microbial Bioprocessing of Agri-food Wastes

Industrial Enzymes



*Edited By* Gustavo Molina, Minaxi Sharma, Vipin Chandra Kalia, Franciele Pelissari, Vijai Kumar Gupta

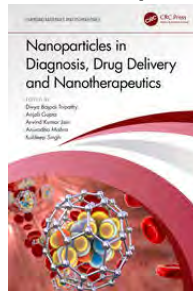
*Series: Advances and Applications in Biotechnology*

This book gives a comprehensive overview of recent advances in the valorization of agri-food waste and discusses the main process conditions needed to overcome the difficulties of using waste as alternative raw materials. The authors provide technical concepts on the production of various bio-products and their commercial interest including agri-food waste utilization in the microbial synthesis of proteins, as well as other food and pharmacological applications. This book is intended for bioengineers, biologists, biochemists, biotechnologists, microbiologists, food technologists, enzymologists, and related professionals and researchers.

CRC Press  
June 2023:288  
Hb: 978-1-032-35883-3: £110.00  
eBook: 978-1-003-34101-7

\* For full contents and more information, visit: [www.routledge.com/9781032358833](http://www.routledge.com/9781032358833)

## Nanoparticles in Diagnosis, Drug Delivery and Nanotherapeutics



*Edited By* Divya Tripathy, Anjali Gupta, Arvind Kumar Jain, Anuradha Mishra, Kuldeep Singh

*Series: Emerging Materials and Technologies*

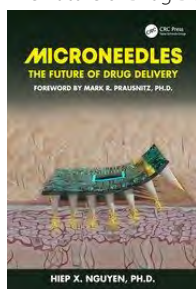
The integration of nanotechnology with biomaterials, diagnostics tools, analytical equipment, physiotherapy kits and drug delivery agents has resulted in nanotherapeutics illustrated as a class of medicine with potential of research and development. This book illustrates synthesis, properties, and applications of nanotherapeutics in various health care related issues including treatment of cancer, Alzheimer's disease, targeted drug delivery, Anti-HIV-1 nanotherapeutics, antibacterial/antiviral agents, skin therapy and hyperthermia. This book aims at Researchers, Professionals and senior undergraduate students in Materials and Medical Science, Biomedical engineering, and nanotechnology.

CRC Press  
November 2023:280  
Hb: 978-1-032-32722-8: £110.00

\* For full contents and more information, visit: [www.routledge.com/9781032327228](http://www.routledge.com/9781032327228)

## Microneedles

The Future of Drug Delivery



*Edited By* Hiep Xuan Nguyen

The microneedle field has been expanding exponentially with innovative designs and various applications, thus capturing the interest of academic industry and regulatory sectors. Microneedles: The Future of Drug Delivery equips readers with a comprehensive understanding of microneedles; from percutaneous absorption to microneedles production, characterization, applications in drug delivery and diagnosis, to practical perspectives on the development, manufacturing, regulatory issues, and commercialization of microneedles. This book is written by a single author and thus provides complex information in a simple, elegant and cohesive style.

CRC Press  
July 2023:404  
Hb: 978-0-367-26650-9: £145.00  
eBook: 978-0-429-29443-3

\* For full contents and more information, visit: [www.routledge.com/9780367266509](http://www.routledge.com/9780367266509)

## Prototype of a Biomimetic Multi-Spiked Connecting Scaffold for a New Generation of Resurfacing Endoprostheses



*Edited By* Ryszard Uklejewski, Piotr Rogala, Mariusz Winiecki

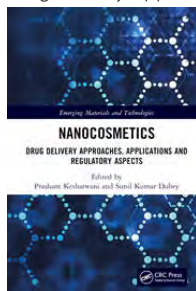
The monograph comprehensively presents the research on the prototype of the biomimetic Multi-Spiked Connecting Scaffold (MSC-Scaffold) for cementless fixation of the components of a new generation of resurfacing arthroplasty (RA) endoprostheses. This research, carried out by a bioengineering-surgical team from three Polish universities, includes bioengineering design, rapid prototyping, manufacturing in selective laser melting, functionalization, surface modification, numerical studies, experimental in vitro studies, and pilot surgical experiments in an animal model.

CRC Press  
August 2023:218  
Hb: 978-1-032-41844-5: £140.00

\* For full contents and more information, visit: [www.routledge.com/9781032418445](http://www.routledge.com/9781032418445)

## Nanocosmetics

Drug Delivery Approaches, Applications and Regulatory Aspects



*Edited By* Prashant Kesharwani, Sunil Kumar Dubey

*Series: Emerging Materials and Technologies*

This book offers an overview of the science of cosmetics and the formulation of nanosized cosmetic products including fabrication, and characterization of nanocosmetics, major challenges in the safe applications, regulatory aspects, and commercialization on a large scale. The chapters provide understanding of the interaction of nanocarriers with the skin and hair, different nanocosmetic products in the present situation, applications as well as disadvantageous toxicity associated with nanocosmetics, regulatory prospects and future perspectives. This book is aimed at researchers and professionals in nanomedicine, pharmaceuticals, biotechnology, and health sector.

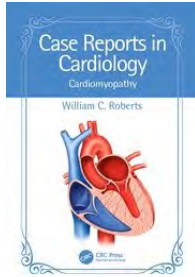
CRC Press  
September 2023:480  
Hb: 978-1-032-33326-7: £130.00

\* For full contents and more information, visit: [www.routledge.com/9781032333267](http://www.routledge.com/9781032333267)



## Case Reports in Cardiology

Cardiomyopathy



*Edited By* William C. Roberts

*Series: Case Reports in Cardiology*

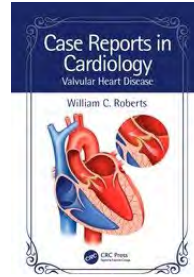
It offers a unique perspective on the role of case reports in medical education and management of cardiomyopathy. It underscores how case reports can be used to enhance diagnostic accuracy, identify new treatment options, and promote innovation in the field.

CRC Press  
November 2023:248  
Hb: 978-1-032-52939-4: **£99.99**  
Pb: 978-1-032-52938-7: **£32.99**

\* For full contents and more information, visit: [www.routledge.com/9781032529387](http://www.routledge.com/9781032529387)

## Case Reports in Cardiology

Valvular Heart Disease



*Edited By* William C. Roberts

*Series: Case Reports in Cardiology*

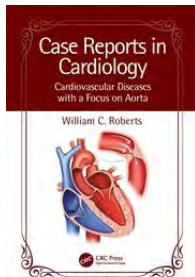
Drawing on a vast range of sources, from ancient manuscripts to cutting-edge journals, it presents a unique perspective on the role of case reports in medical education and practice of valvular heart disease and analogous cardiac morbidities including carcinoid heart disease with a rich coverage on heart valve bioprosthesis.

CRC Press  
November 2023:304  
Hb: 978-1-032-52937-0: **£145.00**  
Pb: 978-1-032-52936-3: **£29.99**

\* For full contents and more information, visit: [www.routledge.com/9781032529363](http://www.routledge.com/9781032529363)

## Case Reports in Cardiology

Cardiovascular Diseases with a Focus on Aorta



*Edited By* William C. Roberts

*Series: Case Reports in Cardiology*

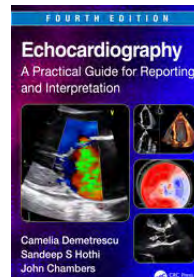
It offers a unique perspective on the role of case reports in medical education and management of cardiovascular diseases with a special emphasis on diseases and complications related to aorta such as aortic valve stenosis, aortic aneurysm, and others.

CRC Press  
November 2023:256  
Hb: 978-1-032-52770-3: **£145.00**  
Pb: 978-1-032-52768-0: **£32.99**

\* For full contents and more information, visit: [www.routledge.com/9781032527680](http://www.routledge.com/9781032527680)

## Echocardiography

A Practical Guide for Reporting and Interpretation



*Edited By* John Chambers, Sandeep S. Hothi, Camelia Demetrescu

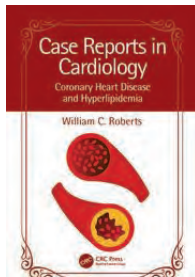
This book sets echocardiography within a routine clinical context. It aims to synthesize guidelines into a pragmatic clinical approach to real patients providing a step-by-step guide to performing, reporting and interpreting a study. Written with the imagination of the calm voice of a senior echocardiographer teaching a junior, this edition has been extensively revised with an expansion of sections on acute, intensive care and emergency medicine. COVID-19 has necessitated limiting exposure of both patient and operator to infection and also caused a huge increase in waiting lists. It also highlights the importance of collaboration between clinicians and echocardiographers.

CRC Press  
September 2023:268  
Hb: 978-1-032-15160-1: **£125.00**  
Pb: 978-1-032-15158-8: **£49.99**

\* For full contents and more information, visit: [www.routledge.com/9781032151588](http://www.routledge.com/9781032151588)

## Case Reports in Cardiology

Coronary Heart Disease and Hyperlipidemia



*Edited By* William C. Roberts

*Series: Case Reports in Cardiology*

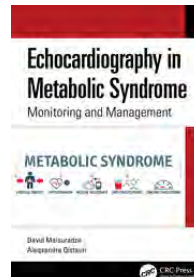
Drawing on a vast range of sources, from ancient manuscripts to cutting-edge journals, it offers a unique perspective on the role of case reports in medical education and practice of hyperlipidemia and coronary heart diseases and associated cardiovascular morbidities.

CRC Press  
November 2023:296  
Hb: 978-1-032-52944-8: **£145.00**  
Pb: 978-1-032-52941-7: **£32.99**

\* For full contents and more information, visit: [www.routledge.com/9781032529417](http://www.routledge.com/9781032529417)

## Echocardiography in Metabolic Syndrome

Monitoring and Management



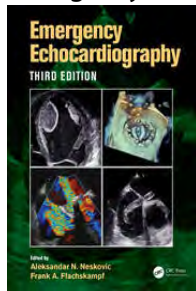
*Edited By* David Maisuradze, Alexandre Qistaoui

Metabolic syndrome (MetS) is a serious health condition that puts people at a higher risk of heart disease, diabetes, stroke, and atherosclerosis. Prevalent worldwide, MetS-related induced mortality and frequency contributes to the progression of heart failure, which can be controlled by proper treatment. This book identifies the echocardiographic characteristics that undergo changes in MetS, significantly affecting its course, and contributing to the clinical aggravation of the disease. This linking with echocardiography as a marker of heart failure due to MetS is useful for academics and professionals in Cardiology, Endocrinology, and Internal Medicine for effective management.

CRC Press  
October 2023:100  
Hb: 978-1-032-55948-3: **£99.99**  
Pb: 978-1-032-55941-4: **£39.99**

\* For full contents and more information, visit: [www.routledge.com/9781032559414](http://www.routledge.com/9781032559414)

## Emergency Echocardiography



*Edited By* Aleksandar N. Neskovic, Frank A. Flachskampf

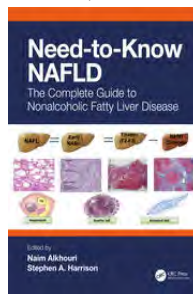
Echocardiography is the most powerful and cost-effective imaging technique for assessing patients suffering from unstable cardiovascular diseases. This new edition of "Emergency echocardiography" contains fully re-written chapters by well known, internationally recognized contributors. It includes new chapters on echo-guided patient management in the ICU, lung ultrasound and complications of percutaneous interventions with special attention to Focus Cardiac Ultrasound in emergency settings. Uses over 600 video loops of illustrative cases to interest a wide readership of all medical professionals involved in diagnostics and treatment of emergency cardiovascular patients.

CRC Press  
August 2023:340  
Hb: 978-1-032-15701-6: **£145.00**  
Pb: 978-1-032-15700-9: **£99.99**

\* For full contents and more information, visit: [www.routledge.com/9781032157009](http://www.routledge.com/9781032157009)

## Need-to-Know NAFLD

The Complete Guide to Nonalcoholic Fatty Liver Disease



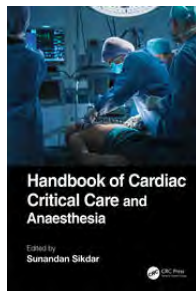
*Edited By* Naim Alkhouri, Stephen A. Harrison

Non-alcoholic fatty liver disease (NAFLD) is the hepatic manifestation of the obesity and metabolic syndrome epidemics, which this up-to-date book deals with comprehensively. The contents outline disease mechanisms, diagnostic tests, management, varying manifestations, and special populations.

CRC Press  
September 2023:258  
Hb: 978-1-032-47949-1: **£175.00**  
Pb: 978-1-032-47948-4: **£69.99**

\* For full contents and more information, visit: [www.routledge.com/9781032479484](http://www.routledge.com/9781032479484)

## Handbook of Cardiac Critical Care and Anaesthesia



*Edited By* Sunandan Sikdar

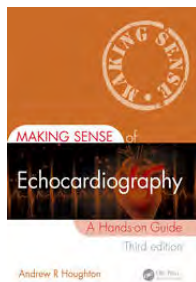
This book provides clinical tips on management of catastrophic emergencies that are regularly faced by critical care and acute care cardiologists in resource-limited settings. Based on the current guidelines, it explores the evaluation of the patient, followed by its treatment methodology. It highlights the beneficial effects of the use of cardiac drugs during an emergency. There is also a special section on preoperative evaluation and postoperative management of cardiac patients of different subsets. Medicolegal/documentation points have also been discussed where relevant. It is useful as a ready reference for physicians, anaesthetists and cardiologists.

CRC Press  
June 2023:332  
Hb: 978-1-032-45517-4: **£190.00**  
Pb: 978-0-367-46221-5: **£74.99**  
eBook: 978-1-003-02758-4

\* For full contents and more information, visit: [www.routledge.com/9780367462215](http://www.routledge.com/9780367462215)

## Making Sense of Echocardiography

A Hands-on Guide



*Edited By* Andrew R. Houghton

*Series: Making Sense of*

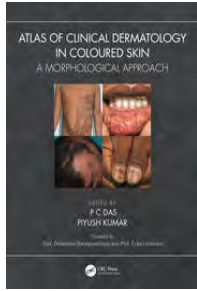
Building on the success of the second edition, the third edition of Making Sense of Echocardiography: A Hands-on Guide provides a timely overview for those learning echocardiography for the first time as well as an accessible handbook that experienced sonographers can refer to. The strong clinical focus and concentration on real-life scenarios make this book relevant in day-to-day practice. Key updates for this edition include the latest guidelines for the evaluation of diastolic function and pulmonary hypertension, and fully updated reference intervals throughout.

CRC Press  
August 2023:324  
Hb: 978-1-032-30357-4: **£145.00**  
Pb: 978-1-032-30354-3: **£54.99**  
eBook: 978-1-003-30465-4

\* For full contents and more information, visit: [www.routledge.com/9781032303543](http://www.routledge.com/9781032303543)

## Atlas of Clinical Dermatology in Coloured Skin

A Morphological Approach



*Edited By* P C Das, Piyush Kumar

This atlas of dermatology has a unique clinical orientation and lays emphasis on morphology. The disease entities are arranged according to the morphology of lesions, not etiologically. This pattern of placement is more useful for both teaching and learning and serves as an important aid in making a diagnosis as this approach is based on the way patients present themselves in out-patient departments. The key diagnostic clinical pointers too have been provided with images which helps one suspect the diagnosis and exclude clinical differentials. This atlas would serve as a ready reckoner for residents and practitioners.

CRC Press  
August 2023:682  
Hb: 978-1-138-48368-2: **£200.00**  
Pb: 978-1-032-39966-9: **£125.00**  
eBook: 978-1-351-05422-5

\* For full contents and more information, visit: [www.routledge.com/9781032399669](http://www.routledge.com/9781032399669)

## Chemical Peels in Clinical Practice

A Practical Guide to Superficial, Medium, and Deep Peels



*Edited By* Xavier G Goodarjian

*Series: Series in Cosmetic and Laser Therapy*

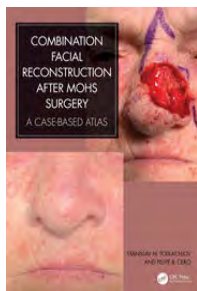
This book has been written with the aim of making a practitioner's peeling experience easier and more practical. It contains sample patient forms, over 250 illustrations, and a wealth of tips for patient guidance and safe clinical practice.

CRC Press  
October 2023:224  
Hb: 978-1-032-15428-2: **£99.99**  
Pb: 978-1-032-15432-9: **£79.99**

\* For full contents and more information, visit: [www.routledge.com/9781032154329](http://www.routledge.com/9781032154329)

## Combination Facial Reconstruction after Mohs Surgery

A Case Based Atlas



*Edited By* Stanislav N. Tolkachjov, Felipe B. Cerci

This book offers a concise guide to combined reconstruction operations for facial defects after Mohs surgery. Repairs from different facial subunits are shown, to demonstrate the full range of these difficult repairs; a range of intraoperative photographs illustrates each repair.

CRC Press  
September 2023:196  
Hb: 978-0-367-90318-3: **£130.00**

\* For full contents and more information, visit: [www.routledge.com/9780367903183](http://www.routledge.com/9780367903183)

## Cosmeceutical Science in Clinical Practice

Second Edition



*Edited By* Neil S Sadick, Mary P Lupo, Zoe Diana Draelos

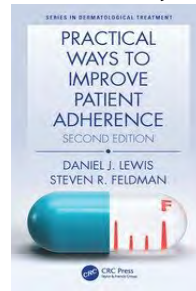
*Series: Series in Cosmetic and Laser Therapy*

Cosmeceuticals - skin-care products that fall between a cosmetic and a pharmaceutical, with active ingredients that counter skin aging and promote skin rejuvenation - are an invaluable adjunct to the cosmetic dermatologist or plastic surgeon performing minimally invasive aesthetic procedures. This guide from expert researchers and practitioners explains how best to integrate the potential of cosmeceutical products into the best international clinical practice, with new chapters to cover the very latest developments in this area.

CRC Press  
June 2023:196  
Hb: 978-1-138-05550-6: **£115.00**  
eBook: 978-1-315-16590-5

\* For full contents and more information, visit: [www.routledge.com/9781138055506](http://www.routledge.com/9781138055506)

## Practical Ways to Improve Patient Adherence



*Edited By* Daniel J Lewis, Steven R Feldman

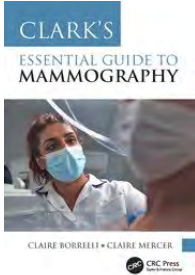
*Series: Series in Dermatological Treatment*

This book offers novel, potent ways to get patients to use their medications and improve treatment outcomes - tools healthcare providers can use day in and day out. A medical education is not complete without a thorough understanding of the hurdles that contribute to poor adherence and what health professionals can and should do about it.

CRC Press  
August 2023:140  
Hb: 978-1-032-43502-2: **£125.00**  
Pb: 978-1-032-43501-5: **£44.99**  
eBook: 978-1-003-36762-8

\* For full contents and more information, visit: [www.routledge.com/9781032435015](http://www.routledge.com/9781032435015)

## Clark's Essential Guide to Mammography



*Edited By* Claire Borrelli, Claire Mercer

*Series:* Clark's Companion Essential Guides

This easy-to-understand pocketbook in the highly respected Clark's stable of imaging texts is an invaluable tool and training aid, providing essential information for mammographic positioning, technique and interpretation for mammography practitioners at all levels. Clark's Essential Guide to Mammography is ideal as an educational tool for trainee mammographers, trainee assistant and associate apprenticeship mammographers, mammography training teams and universities delivering mammography education and a convenient clinical guide for practising mammographers, including assistant and associate apprenticeship mammographers.

CRC Press  
July 2023:104  
Hb: 978-1-032-03365-5: **£48.99**  
Pb: 978-1-032-03362-4: **£18.99**  
eBook: 978-1-003-18693-9

\* For full contents and more information, visit: [www.routledge.com/9781032033624](http://www.routledge.com/9781032033624)

## Imaging in Critical Care Medicine



*Edited By* Anirban Hom Choudhuri, Ashish Verma

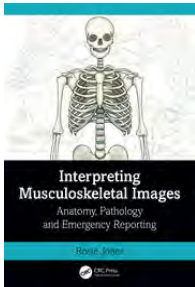
Imaging in critically ill patients is a ubiquitous but challenging line of investigation for the physician as accurate interpretation is often difficult as patient cooperation during the procedure is grossly compromised, and the resultant image is often suboptimal. This book provides details on principles of imaging and the diagnostic hallmarks of common diseases. It contains guidance to overcome the deficiencies observed during the performance of bedside imaging and equipment handling and addresses the rationale for various procedural/management and imaging approaches. It is a useful companion for most doctors & trainees working in critical care settings.

CRC Press  
July 2023:218  
Hb: 978-1-032-11178-0: **£150.00**  
Pb: 978-1-032-11177-3: **£59.99**  
eBook: 978-1-003-21873-9

\* For full contents and more information, visit: [www.routledge.com/9781032111773](http://www.routledge.com/9781032111773)

## Interpreting Musculoskeletal Images

Anatomy, Pathology and Emergency Reporting



*Edited By* Rosie Jones

This visual manual is an accessible guide to musculoskeletal image interpretation and reporting, including common trauma pathologies, arthropathies, mechanisms of injury and classification systems. Beautifully illustrated with schematic line diagrams, supplemented with radiographs and scans, the content has been developed to enhance learning and understanding of both radiology and anatomy, and the relationship between them. The book delivers hands-on support to junior doctors, other emergency medicine personnel and practicing radiographers for use in the clinical setting and is also ideal for students preparing for qualifying examinations in medicine and radiography.

CRC Press  
August 2023:232  
Hb: 978-1-032-40938-2: **£74.99**  
Pb: 978-1-032-39891-4: **£29.99**  
eBook: 978-1-003-35541-0

\* For full contents and more information, visit: [www.routledge.com/9781032398914](http://www.routledge.com/9781032398914)

## Atlas of Clinical Endocrinology and Metabolism



*Edited By Pauline Camacho*

This pictorial atlas of endocrine and metabolic focuses on providing multiple illustrations as well as a thorough discussion of the diagnosis and management of a variety of endocrine diseases with their appropriate treatment plans. Using updated guidelines, it provides a comprehensive discussion of the latest therapies, including diabetes technology. With chapters such as transgender medicine, and inborn errors of metabolism, this text is a valuable resource for the contemporary endocrine practitioner.

CRC Press  
November 2023:272  
Hb: 978-0-367-60835-4: **£145.00**  
Pb: 978-0-367-60833-0: **£74.99**  
\* For full contents and more information, visit: [www.routledge.com/9780367608330](http://www.routledge.com/9780367608330)

## Obesity Medicine Made Easy



*Edited By Ananda Chatterjee*

*Series: Made Easy Series*

Obesity is a complex disease, and this brief resource offers a comprehensive review of the most recent evidence on the multitude of ways to help treat this condition. Practically oriented for the reader to understand and easily apply the knowledge to patients, it specifically focuses on the lifestyle medicine approach to obesity management. This means applying the science of nutrition, movement, sleep, and stress with the help of cognitive behavioural therapy, motivational interviewing skills, positive psychology, and the circadian rhythm. This approach is combined with information on anti-obesity medications and bariatric surgery in a concise manner, useful for the busy clinician.

CRC Press  
August 2023:110  
Hb: 978-1-032-44322-5: **£99.99**  
Pb: 978-1-032-44321-8: **£22.99**  
\* For full contents and more information, visit: [www.routledge.com/9781032443218](http://www.routledge.com/9781032443218)

## Handbook of Obesity - Volume 1

Epidemiology, Etiology, and Physiopathology



*Edited By George A. Bray, Claude Bouchard*

The fifth edition of Volume 1 of Handbook of Obesity written by global experts covers the basic science aspects under the broad topic areas of epidemiology, etiology, and pathophysiology of obesity. Divided into 5 sections and detailed in 66 chapters, this edition covers the important advances occurring over the past decades. With a focus on science of obesity and factors participating in the etiology of obesity, this topic is studied from biological, behavioural, and environmental perspectives.

CRC Press  
November 2023:624  
Hb: 978-1-032-55862-2: **£150.00**  
\* For full contents and more information, visit: [www.routledge.com/9781032558622](http://www.routledge.com/9781032558622)

## Handbook of Obesity - Volume 2

Clinical Applications

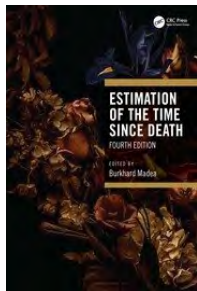


*Edited By George A. Bray, Claude Bouchard*

Volume 2 of the 5th Edition of the Handbook of Obesity spotlights on clinical applications for evaluation, diagnosis, prevention, and treatment of obesity. It covers on the several major developments occurred between the previous and the new edition, including the effect of SARS-CoV-2 on people with obesity, the concept of "Precision Medicine", and new medications approved by USFDA aiding patients with obesity weight loss of 15 to 20%.

CRC Press  
November 2023:480  
Hb: 978-1-032-55108-1: **£150.00**  
\* For full contents and more information, visit: [www.routledge.com/9781032551081](http://www.routledge.com/9781032551081)

## Estimation of the Time Since Death



*Edited By* Burkhard Madea

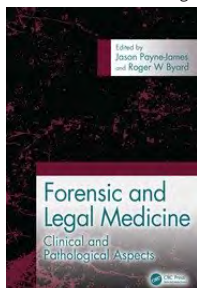
This book remains the foremost authoritative book on scientifically calculating the estimated time of death postmortem. Building on the success of previous editions, this edition includes two new chapters to expand its scope. Chapters have been improved, updated and expanded, and include new and additional images to enhance the text. A unique work of synthesis combining rigorous science with practical guidance, this update reinforces the book's reputation as an invaluable resource – and also the standard – for the estimation of the time since death.

CRC Press  
June 2023:397  
Hb: 978-1-032-13553-3: **£150.00**  
eBook: 978-1-003-24497-4

\* For full contents and more information, visit: [www.routledge.com/9781032135533](http://www.routledge.com/9781032135533)

## Forensic and Legal Medicine

Clinical and Pathological Aspects



*Edited By* Jason Payne-James, Roger Byard

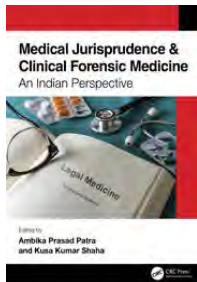
A comprehensive and accessible resource covering all aspects of forensic and legal medicine. Chapters ranging from Human Rights Law to Forensic Odontology make this book valuable for those working in or alongside any aspect of forensic medicine. Including clear guidelines for practical applications, and further enhanced by numerous illustrations and case examples, this text is a valuable resource in a complex field. Written for a wide audience including forensic pathologists, general pathologists, pediatric pathologists, forensic physicians, forensic scientists, coroners, emergency department physicians, judges, and legal practitioners.

CRC Press  
November 2023:850  
Hb: 978-0-367-67245-4: **£130.00**

\* For full contents and more information, visit: [www.routledge.com/9780367672454](http://www.routledge.com/9780367672454)

## Medical Jurisprudence & Clinical Forensic Medicine

An Indian Perspective



*Edited By* Ambika Prasad Patra, Kusa Kumar Shaha

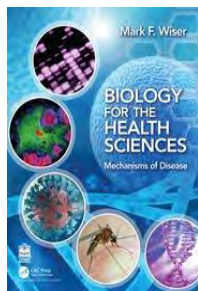
This book on "Medical Jurisprudence & Clinical Forensic Medicine" addresses the evolving nature of law and medicine. It updates the medicolegal (ML) systems and discusses the concerns related to digitalization of courts, serving a subpoena through social media, ethical/ML issues in nanomedicine, telemedicine and online prescription practices, toxicology and mass disaster. It fulfils the increased demands of students, forensic medicine specialists, clinicians and lawyers to get authentic medicolegal information in situations of ethical dilemma or during ML urgencies. It features case-based discussions on ML and deontological issues supported by the latest legal/statutory information.

CRC Press  
August 2023:250  
Hb: 978-0-367-68808-0: **£175.00**  
Pb: 978-0-367-68807-3: **£69.99**  
eBook: 978-1-003-13912-6

\* For full contents and more information, visit: [www.routledge.com/9780367688073](http://www.routledge.com/9780367688073)

## Biology for the Health Sciences

Mechanisms of Disease



Edited By **Mark F Wiser**

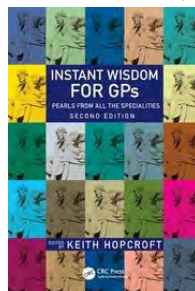
Biology is central to our understanding of health and disease and to the development of treatments, so its critical that health professionals have a solid grounding in the pathogenesis and mechanisms of disease processes. This new textbook draws these topics together, providing an accessible introduction across four central disciplines - basic biology, non-infectious disease, infectious disease, and biotechnology. Enhanced with plentiful illustrations, Biology for the Health Sciences is an essential companion for any student of the health sciences and for biological science students studying the causes of disease as part of a wider course.

Garland Science  
June 2023:516  
Hb: 978-1-032-35726-3: **£125.00**  
Pb: 978-0-815-34586-2: **£49.99**  
eBook: 978-1-003-32820-9

\* For full contents and more information, visit: [www.routledge.com/9780815345862](http://www.routledge.com/9780815345862)

## Instant Wisdom for GPs

Pearls from All the Specialities



Edited By **Keith Hopcroft**

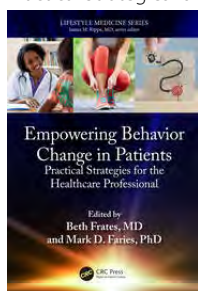
Every consultant has pearls of wisdom they wish they could share with GPs: knowledge they have acquired from years of experience and evidence-based study, which could lead to improved speed and decision in referral, more efficient use of resources and, overall, better patient care. Instant Wisdom for GPs gathers these pearls together, presenting ten bullet-point gems from a comprehensive range of clinical specialties, together with advice on obscure or overlooked diagnoses, guidance on how to distinguish tricky differentials and tips on prescribing.

CRC Press  
November 2023:250  
Hb: 978-1-032-30340-6: **£99.99**  
Pb: 978-1-032-30336-9: **£29.99**

\* For full contents and more information, visit: [www.routledge.com/9781032303369](http://www.routledge.com/9781032303369)

## Empowering Behavior Change in Patients

Practical Strategies for the Healthcare Professional



Edited By **Beth Frates, Mark D. Faries**

Series: *Lifestyle Medicine*

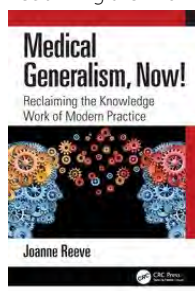
Empowering Behavior Change in Patients: Practical Strategies for the Healthcare Professional reviews medical research and pairs it with behavior change theories to create counseling strategies and tools that equip the reader to empower others to adopt and sustain change. With contributions by leading physicians, PhDs, health coaches, and other experts in behavior change, the book presents a variety of perspectives, backgrounds, and educational experiences encouraging readers to alter their counseling practices to include more behavior change and coaching strategies.

CRC Press  
October 2023:312  
Hb: 978-0-367-75151-7: **£120.00**  
Pb: 978-0-367-75150-0: **£44.99**

\* For full contents and more information, visit: [www.routledge.com/9780367751500](http://www.routledge.com/9780367751500)

## Medical Generalism, Now!

Reclaiming the Knowledge Work of Modern Practice



Edited By **Joanne Reeve**

The book is a unique and timely consideration of generalist medical practice. With a focus on the knowledge work of clinical practice and by taking a whole healthcare system view, the book responds to a recognized need to strengthen generalist practice within modern healthcare delivery in both primary and secondary care settings.

CRC Press  
October 2023:198  
Hb: 978-1-032-28529-0: **£99.99**  
Pb: 978-1-032-27290-0: **£32.99**

\* For full contents and more information, visit: [www.routledge.com/9781032272900](http://www.routledge.com/9781032272900)

## Infection Prevention and Control

A Social Science Perspective



Edited By **Paul Elliott, Julie Storr, Annette Jeanes**

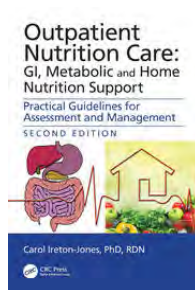
An understanding of the social sciences within infection prevention and control (IPC) is important for those working in health and social care. This new book positions the specialty of IPC as more than a technical discipline concerned with microbes. It is about people and their behaviour in context and the book therefore explores a number of relevant social sciences and their relationship to IPC across different contexts and cultures. IPC is relevant to every person who works in, and accesses health care and it remains a global challenge. Exploring novel approaches and perspectives that expand our collective horizons in an ever changing and evolving IPC landscape therefore makes sense.

CRC Press  
June 2023:228  
Hb: 978-1-032-45944-8: **£89.99**  
Pb: 978-1-032-45838-0: **£36.99**  
eBook: 978-1-003-37939-3

\* For full contents and more information, visit: [www.routledge.com/9781032458380](http://www.routledge.com/9781032458380)

## Outpatient Nutrition Care: GI, Metabolic and Home Nutrition Support

Practical Guidelines for Assessment and Management



Edited By **Carol Ireton-Jones**

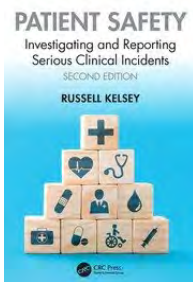
As the number of patients receiving home care nutrition support increases, proper assessment and management of this therapy is crucial, and clinicians need to practice at an advanced level. This new edition provides practical nutrition care information for professionals working with individuals outside of the hospital including registered dietitians, nurses, pharmacists, and physicians. It covers screening, assessing, and treating malnutrition; out-patient nutrition care in diabetes, cardiovascular disease, gastrointestinal disease, and home enteral and parenteral nutrition. Each chapter describes the disease process as well as the management of the disease or therapy.

CRC Press  
November 2023:408  
Hb: 978-0-367-33880-0: **£170.00**  
Pb: 978-0-367-33873-2: **£44.99**

\* For full contents and more information, visit: [www.routledge.com/9780367338732](http://www.routledge.com/9780367338732)

## Patient Safety

Investigating and Reporting Serious Clinical Incidents



*Edited By* Russell Kelsey

The second edition of this well-received book, the first to provide detailed guidance on how to conduct incident investigations in primary care, has been thoroughly revised and updated throughout to reflect the current nomenclature for different aspects of the investigatory process. At a time of increasing regulatory scrutiny and medico-legal risk, in which failure to manage appropriately can have serious consequences both for service organisations and for individuals involved, this concise and convenient book continues to provide a master class for anyone performing RCA and aiming to demonstrate learning and service improvement in response to serious clinical incidents.

CRC Press  
August 2023:250  
Hb: 978-1-032-38217-3: **£84.99**  
Pb: 978-1-032-37783-4: **£34.99**

\* For full contents and more information, visit: [www.routledge.com/9781032377834](http://www.routledge.com/9781032377834)

## Technology and Medicine

Shaping Modern Healthcare



*Edited By* Bengt Nielsen

Taking a holistic approach this book describes the developments in medicine and medical technology from ancient times to modern days. It is an exciting journey where the readers will learn about the many great inventions by people that did not take the knowledge of their times as a fact. They challenged mysticism, beliefs, the religion, and the church. They were true scientists long before we knew how to define what a scientist is. This book gives the reader a new perspective and a "common thread of life" on medicine and MedTech as well as an improved understanding of how far we have come and how much there still is to work on.

CRC Press  
September 2023:334  
Hb: 978-1-032-49340-4: **£87.99**  
Pb: 978-1-032-49337-4: **£34.99**

\* For full contents and more information, visit: [www.routledge.com/9781032493374](http://www.routledge.com/9781032493374)

## Planning & Designing Health Care Facilities in Developing Countries



*Edited By* Shashikant Sharma, Saurabh Singh

This book aims to provide both theoretical and practical inputs for Planning and Designing of Health Care Facilities in developing countries. It clearly indicates the steps to be followed, facts to be weighed and components to be considered to arrive to a correct planning solution.

CRC Press  
November 2023:208  
Hb: 978-1-032-56104-2: **£99.99**  
Pb: 978-0-367-46087-7: **£54.99**

\* For full contents and more information, visit: [www.routledge.com/9780367460877](http://www.routledge.com/9780367460877)

## The Art of Medical Communication

Bringing the Humanities into Clinical Practice



*Edited By* Charlie Guy

The field of medical humanities is growing rapidly and offers many valuable insights for medical education generally and to enhancing and improving communication specifically. Through practical and thought-provoking examples, this innovative new text demonstrates how engaging with the arts and humanities can benefit the work of doctors and make them better, more effective practitioners with a focus on achieving this through better communication and by stimulating self-reflection. This new book is written specifically for medical students, junior doctors and medical educators looking to develop or teach communication skills.

CRC Press  
September 2023:226  
Hb: 978-1-032-27273-3: **£99.99**  
Pb: 978-1-032-27272-6: **£28.99**

\* For full contents and more information, visit: [www.routledge.com/9781032272726](http://www.routledge.com/9781032272726)

## Public Health Approach to Health Promotion



*Edited By* Monika Arora, Shifalika Goenka

*Series: Public Health Approach*

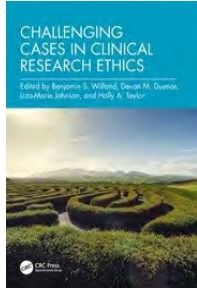
With a strong focus on prevention, health promotion strategies are crucial to improving quality of life, while taking into account the various determinants of health. This book provides a global perspective, with an emphasis on contextual issues with health promotion in South Asia for understanding challenges and related strategies.

CRC Press  
October 2023:176  
Hb: 978-1-032-57175-1: **£99.99**  
Pb: 978-1-138-59268-1: **£49.99**

\* For full contents and more information, visit: [www.routledge.com/9781138592681](http://www.routledge.com/9781138592681)



## Challenging Cases in Clinical Research Ethics



CRC Press  
November 2023:360  
Hb: 978-1-032-37096-5: **£145.00**  
Pb: 978-1-032-37095-8: **£38.99**  
\* For full contents and more information, visit: [www.routledge.com/9781032370958](http://www.routledge.com/9781032370958)

*Edited By* Benjamin S Wilfond, Devan M Duenas, Liza-Marie Johnson, Holly A Taylor

Presenting challenging cases to stimulate reflection, the book provides invaluable guidance to clinicians in training and in practice and to investigators, bioethics consultants, regulators, and oversight bodies.

## Get Through MRCPsych CASC



CRC Press  
August 2023:400  
Hb: 978-1-032-32156-1: **£115.00**  
Pb: 978-1-032-32154-7: **£44.99**  
\* For full contents and more information, visit: [www.routledge.com/9781032321547](http://www.routledge.com/9781032321547)

*Edited By* Melvyn Zhang, Cyrus Ho, Roger Ho, Basant Puri  
*Series: Get Through*

This book is intended for psychiatric trainees sitting the CASC component of the MRCPsych exam. Written by authors with long-term expertise in the field, the text provides over 100 stations closely matched to the subjects that appear in the actual exam, along with concise synopses, helpful tables of categories of enquiry and specimen enquiries, and common pitfalls.

## Clinical Consultation Skills in Medicine

A Primer for MRCP PACES



CRC Press  
August 2023:338  
Hb: 978-1-032-55343-6: **£99.99**  
Pb: 978-1-032-55342-9: **£39.99**  
\* For full contents and more information, visit: [www.routledge.com/9781032553429](http://www.routledge.com/9781032553429)

*Edited By* Ernest Suresh

*Series: MasterPass*

This book follows the revised format of the Practical Assessment Clinical Examination Skills (PACES) exam conducted by the Royal College of Physicians in the UK, where 'clinical consultation skills' will be tested twice in two separate stations. Thus, coming closest to what doctors do in real life: obtain a structured history, perform a focused examination, and explain the problem to the patient in lay terms. This book takes readers through a rational approach to sixty common presenting symptoms or laboratory abnormalities in medicine. It improves the clinical consultation skills of young doctors and prepares them for the new format of MRCP PACES.

## Helping a Field See Itself

Envisioning a Philosophy of Medical Education



CRC Press  
August 2023:152  
Hb: 978-1-032-20414-7: **£130.00**  
\* For full contents and more information, visit: [www.routledge.com/9781032204147](http://www.routledge.com/9781032204147)

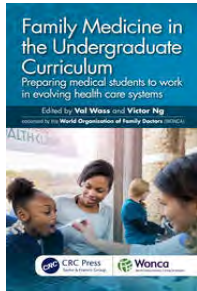
*Edited By* Mario Veen, Anna T. Cianciolo

This volume explores philosophy as a practice in medical education. Each chapter explores one theme in medical education (e.g., education, science, inequality, technology, mortality) from a philosophical perspective, opening it up to fundamental re-examination and inviting readers to continue exploration beyond the printed words.

This book is a step towards enabling medical educators to practice philosophy themselves at appropriate moments in their work. In this way, it aims to establish medical education as a mature field with its own philosophy. The chapters in this book were originally published in the journal Teaching and Learning in Medicine.

## Family Medicine in the Undergraduate Curriculum

Preparing medical students to work in evolving health care systems



CRC Press  
September 2023:306  
Hb: 978-1-032-35185-8: **£145.00**  
Pb: 978-1-032-35184-1: **£32.99**  
\* For full contents and more information, visit: [www.routledge.com/9781032351841](http://www.routledge.com/9781032351841)

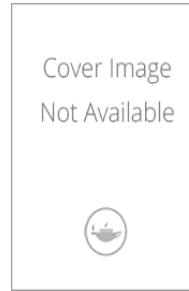
*Edited By* Val Wass, Victor Ng

*Series: WONCA Family Medicine*

This practical guide is the first designed specifically to support those planning and conducting family medicine/primary care education within medical schools around the world. It offers medical educators a collection of pithy, easy to follow chapters, guiding the reader through the curriculum requirements with key references for further detail. Plain English and practical, deliverable advice, adaptable to different contexts, ensures the content is accessible to those educating medical students in any country, while the structure within sections ensures that family medicine doctors and educators can dip into chapters relevant to their roles.

## Storytelling in Medicine

How narrative can improve practice



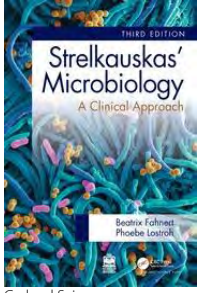
CRC Press  
September 2023:182  
Hb: 978-1-032-52916-5: **£99.99**  
Pb: 978-1-032-49067-0: **£22.99**  
\* For full contents and more information, visit: [www.routledge.com/9781032490670](http://www.routledge.com/9781032490670)

*Edited By* Colin Robertson, Gareth Clegg, James Huntley

This unique, practical book for healthcare trainees, practitioners and educators explores the ideas and practice of narrative and storytelling that lie at the very heart of clinical medicine and the patient 'experience' of care. It shows how story and narrative can be used effectively to help convey concepts such as prognosis and the effect of illness upon life, and to prepare patients and their relatives for difficult and painful news.

## Strelkauskas' Microbiology

A Clinical Approach



*Edited By* **Beatrix Fahnert, Phoebe Lostroh**

This third edition of this much-celebrated title remains a comprehensive introductory textbook written specifically for pre-nursing, nursing and allied health students. Clinically relevant throughout, it uses the theme of infection as its foundation, fitting closely with the 'One Health' approach. It has been thoroughly revised and updated to reflect the latest developments, including the emergence of the SARS-CoV-2 virus and associated COVID-19 pandemic. The book is accompanied by a robust instructor ancillary package including downloadable figures for use in lectures, and includes additional materials for students to supplement classroom learning.

Garland Science

August 2023: 751

Hb: 978-1-032-04369-2: **£130.00**

Pb: 978-1-032-04347-0: **£54.99**

\* For full contents and more information, visit: [www.routledge.com/9781032043470](http://www.routledge.com/9781032043470)

## Greenfield's Neuropathology 10e Vol 1

Cover Image  
Not Available



*Edited By* Colin Smith, Thomas Jacques, Gabor Kovacs, Arie Perry

Greenfield's is the world's leading neuropathology reference. The two volume work provides a comprehensive account of the pathological findings in neurological disease, their biological basis, and their clinical manifestations. The key reference for scientists, clinicians, researchers, and students who wish to learn about neurological disease. The tenth edition features fully updated sections covering CNS tumours, neurodegeneration, skeletal muscle, epilepsy, paediatric and forensic neuropathology. Expert coverage from an international team of Editors and contributors ensures authoritative and up to date content. The two volume set includes a downloadable and easily used e-version.

CRC Press

November 2023: 974

Hb: 978-1-032-48137-1: £495.00

\* For full contents and more information, visit: [www.routledge.com/9781032481371](http://www.routledge.com/9781032481371)

## Greenfield's Neuropathology 10e Vol 2

Cover Image  
Not Available



*Edited By* Colin Smith, Arie Perry, Gabor Kovacs, Thomas Jacques

Greenfield's is the world's leading neuropathology reference. The two volume work provides a comprehensive account of the pathological findings in neurological disease, their biological basis, and their clinical manifestations. The key reference for scientists, clinicians, researchers, and students who wish to learn about neurological disease. The tenth edition features fully updated sections covering CNS tumours, neurodegeneration, skeletal muscle, epilepsy, paediatric and forensic neuropathology. Expert coverage from an international team of Editors and contributors ensures authoritative and up to date content. The two volume set includes a downloadable and easily used e-version.

CRC Press

November 2023: 974

Hb: 978-1-032-48139-5: £495.00

\* For full contents and more information, visit: [www.routledge.com/9781032481395](http://www.routledge.com/9781032481395)

## Obstetric Life Support Manual

Etiology, prevention, and treatment of maternal medical emergencies and cardiopulmonary arrest in pregnant and postpartum patients



*Edited By* Andrea Shields, Jacqueline Vidosh, Laurie Kavanagh, Peter Nielsen, Brook Thomson

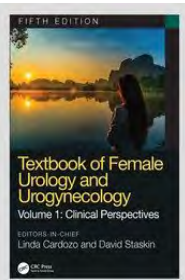
This text is a comprehensive review in normal and abnormal pregnancy physiology, the most common etiologies of maternal medical emergencies, recognition of maternal deterioration and pending cardiopulmonary arrest, modifications to cardiopulmonary resuscitation in pregnant and postpartum patients, special procedures that can assist in diagnosing and treating maternal medical emergencies tailored to the setting (e.g., point of care ultrasound, resuscitative cesarean delivery, extracorporeal cardiopulmonary resuscitation), treatment of trauma/stroke in pregnancy, and postpartum maternal medical emergencies.

CRC Press  
August 2023:212  
Hb: 978-1-032-28953-3: £115.00  
Pb: 978-1-032-28951-9: £44.99  
eBook: 978-1-003-29928-8

\* For full contents and more information, visit: [www.routledge.com/9781032289519](http://www.routledge.com/9781032289519)

## Textbook of Female Urology and Urogynecology

Clinical Perspectives



*Edited By* Linda Cardozo, David Staskin

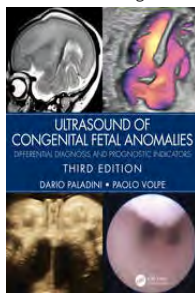
Featuring contributions by an international team of the world's experts in urology and gynecology, this fifth edition reinforces its status as the classic comprehensive resource on female urology and urogynecology and an essential clinical reference in the field, with new chapters throughout. Each volume is now available separately. \*Offers a comprehensive guide to medical aspects \*Covers important classic and newer topics \*Presents a practical and manageable level of detail

CRC Press  
July 2023:778  
Hb: 978-0-367-70014-0: £200.00  
eBook: 978-1-003-14423-6

\* For full contents and more information, visit: [www.routledge.com/9780367700140](http://www.routledge.com/9780367700140)

## Ultrasound of Congenital Fetal Anomalies

Differential Diagnosis and Prognostic Indicators



*Edited By* Dario Paladini, Paolo Volpe

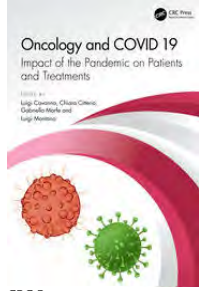
An acclaimed overview of ultrasound for the prenatal diagnosis of congenital anomalies returns in a new enlarged edition. In particular, the coverage of both Central Nervous System congenital and acquired anomalies as well as Congenital Heart Disease has been expanded enormously, to make this an impressive comprehensive resource for Fetal Neurology and Fetal Cardiology. Together with additional new chapters on guidelines and protocols, equipment, and disorders of sexual differentiation, and new insight into fetal surgery procedures, this third edition almost becomes three books in one.

CRC Press  
December 2023:556  
Hb: 978-0-367-49950-1: £200.00

\* For full contents and more information, visit: [www.routledge.com/9780367499501](http://www.routledge.com/9780367499501)

## Oncology and COVID 19

Impact of the Pandemic on Patients and Treatments



*Edited By* Luigi Cavanna, Chiara Citterio, Gabriella Marfe, Luigi

Montano

Those affected by cancer or receiving cancer treatment have often been more susceptible to infections due to coexisting chronic diseases, overall poor health status, and systemic immunosuppressive states caused by both cancer and anticancer treatments. This pioneering text is an introduction to the key topics in the relationship between infection, pollution, and cancer and is an invaluable resource for residents and junior faculty in Oncology facing the practical problems arising and for those still in training.

CRC Press

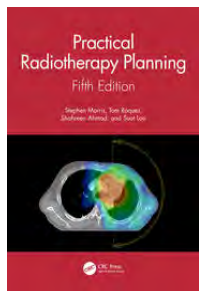
October 2023:164

Hb: 978-1-032-42384-5: **£210.00**

\* For **full contents** and more information, visit: [www.routledge.com/9781032423845](http://www.routledge.com/9781032423845)

## Practical Radiotherapy Planning

Fifth Edition



*Edited By* Stephen Morris, Tom Roques, Shahreen Ahmad, Suat Loo

Good and effective treatment in radiotherapy requires careful consideration of the complex variables involved as well as critical assessment of the techniques. This new edition of an established classic takes into account advances in imaging and treatment delivery and reflects the current state of the art in the practice of radiotherapy, emphasizing the underlying principles of treatment that can be applied for conventional, conformal, and novel treatments.

CRC Press

September 2023:484

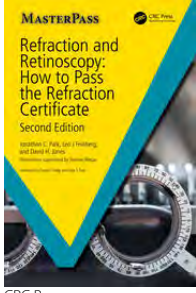
Hb: 978-1-138-04598-9: **£99.99**

Pb: 978-1-138-04597-2: **£49.99**

\* For **full contents** and more information, visit: [www.routledge.com/9781138045972](http://www.routledge.com/9781138045972)

## Refraction and Retinoscopy

How to Pass the Refraction Certificate



*Edited By* Jonathan Park, David Jones, Leo Feinberg

*Series:* MasterPass

Refraction & retinoscopy are essential skills in progression through ophthalmology specialty training and require consistent practice. This second edition is a comprehensive introduction and revision guide specifically tailored for candidates sitting the Refraction Certificate, as assessed by the Royal College of Ophthalmologists.

CRC Press

September 2023:100

Hb: 978-1-032-35913-7: **£99.99**

Pb: 978-1-032-35912-0: **£34.99**

\* For full contents and more information, visit: [www.routledge.com/9781032359120](http://www.routledge.com/9781032359120)

## Textbook of Community Ophthalmology



*Edited By* Praveen Vashist, Noopur Gupta, Suraj Singh Senjam, Vivek Gupta

The book presents a comprehensive treatise on community ophthalmology principles and practices for countries with developing and emerging economies. It is replete with chapters on basic epidemiology, health economics, basic statistics and lays the foundation of the global eye health-care programs with skills for community-based epidemiological projects in eye care. With extensive experience in conducting various epidemiological surveys, the editors provide practical knowledge to ophthalmologists, public health specialists, physician-scientists, researchers, eye care program managers, optometrists, and academicians involved in community ophthalmology operational studies.

CRC Press

October 2023:184

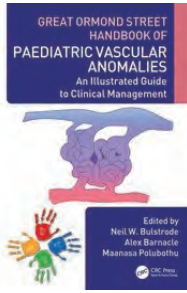
Hb: 978-1-032-27159-0: **£99.99**

Pb: 978-1-032-27158-3: **£44.99**

\* For full contents and more information, visit: [www.routledge.com/9781032271583](http://www.routledge.com/9781032271583)

## Great Ormond Street Handbook of Paediatric Vascular Anomalies

An Illustrated Guide to Clinical Management



*Edited By* Neil W. Bulstrode, Alex Barnacle, Maanasa Polubothu

*Series:* Great Ormond Street Handbook Series

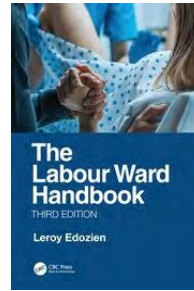
This new text is a practical guide to the current multi-disciplinary clinical management of paediatric vascular anomalies. Aiming to share their valuable expertise, this book offers a much-needed clinical resource for the multi-disciplinary team. From haematology to orbital vascular malformations, it provides a comprehensive overview of paediatric vascular anomalies, offering a wealth of tips from practical experience. Including illustrations from current practice, this book is a valuable addition to all those involved in the care of children with these rare conditions.

CRC Press  
October 2023:196  
Hb: 978-1-032-19029-7: **£120.00**  
Pb: 978-1-032-19028-0: **£74.99**

\* For full contents and more information, visit: [www.routledge.com/9781032190280](http://www.routledge.com/9781032190280)

## The Labour Ward Handbook

*Edited By* Leroy Edozien



This succinct manual provides detailed clinical practice guidelines for the care of women in labour, this is designed to be a ready guide for use in the delivery suite by the busy clinician. The third edition has been updated to include new developments in clinical practice and governance and new guidelines. So far as is possible, the differences in care scenarios internationally have been addressed to provide a reliable guide to safe delivery.

CRC Press  
July 2023:336  
Hb: 978-1-138-29664-0: **£99.00**  
Pb: 978-1-138-29663-3: **£38.99**  
eBook: 978-1-315-09989-7

\* For full contents and more information, visit: [www.routledge.com/9781138296633](http://www.routledge.com/9781138296633)

## Making Sense of the Pediatric EEG



*Edited By* Maria Montenegro

*Series:* Making Sense of

Most neurologists, fellows, and residents are familiar with adult EEG, but have not developed a similar understanding of pediatric EEG. There are fewer resources covering pediatric electroencephalography and existing books are either too comprehensive or lack the main details that differentiate the EEG in childhood. This accessible text includes the most recent classification and nomenclature published by the International League Against Epilepsy. It provides a practical and well illustrated text of value to residents, fellows, and neurologists in need of an update on pediatric EEG.

CRC Press  
August 2023:374  
Hb: 978-1-032-48609-3: **£105.00**  
Pb: 978-1-032-48607-9: **£39.99**

\* For full contents and more information, visit: [www.routledge.com/9781032486079](http://www.routledge.com/9781032486079)

## Paediatric Cases in Coloured Skin



*Edited By* Ranthilaka R. Gammanpila, Ajith P. Kannangara

This book for clinicians provides a clear and easy guide to identify skin diseases in children with coloured skin. It discusses more than 200 skin problems with over 300 colour illustrations following a logical organisation with picture-based Q&A at the end.

CRC Press  
November 2023:160  
Hb: 978-1-032-34316-7: **£99.99**  
Pb: 978-1-032-34315-0: **£62.99**

\* For full contents and more information, visit: [www.routledge.com/9781032343150](http://www.routledge.com/9781032343150)

## Hodson and Geddes' Cystic Fibrosis

Cover Image  
Not Available



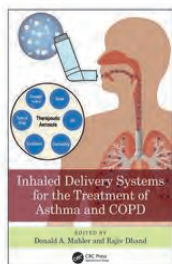
*Edited By* Andrew Bush, Margarida D. Amaral, Jane C. Davies,  
Nicholas J. Simmonds, Jennifer L. Taylor-Cousar, Sarath C.  
Ranganathan

Cystic Fibrosis has seen dramatic advances in treatment since the last edition, including targeted (CFTR) protein modulators for most CFTR gene abnormalities. This new edition is an update of the rapid clinical and scientific advances in improving prognosis, and the impact of CoVID-19, which has transformed conventional models of care. It covers basic science, such as how detailed understanding of the biology of the CFTR gene and protein has led to novel and beneficial therapies, as well as all aspects of clinical management in high-, middle- and low-income settings, and the voices of patients from across the world.

CRC Press  
October 2023:784  
Hb: 978-1-032-20220-4: £170.00

\* For full contents and more information, visit: [www.routledge.com/9781032202204](http://www.routledge.com/9781032202204)

## Inhaled Delivery Systems for the Treatment of Asthma and COPD



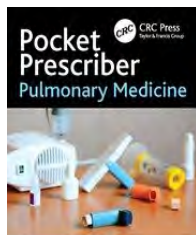
*Edited By* Donald A. Mahler, Rajiv Dhand

Inhaled therapies form the cornerstone for treatment of patients with asthma and COPD. The four different delivery systems – pressurized metered-dose inhalers, slow mist inhalers, dry powder inhalers, and nebulizers - are unique in design and require distinct inhalational instructions for correct use. This book provides current information about inhalation devices, includes their advantages and disadvantages, with guidance for optimal techniques of use. It emphasizes appropriate selection of inhalation devices based on patient and health care professional factors and device attributes that allow selection of the right medication at the right time for the right patient.

CRC Press  
July 2023:208  
Hb: 978-1-032-21574-7: £125.00  
Pb: 978-1-032-21573-0: £48.99  
eBook: 978-1-003-26901-4

\* For full contents and more information, visit: [www.routledge.com/9781032215730](http://www.routledge.com/9781032215730)

## Pocket Prescriber Pulmonary Medicine



Craig Batista  
Donald RJ Singer  
Peter J Barnes

*Edited By* Craig Batista, Donald RJ Singer, Peter J Barnes

*Series: Pocket Prescriber Series*

Pocket Prescriber Pulmonary Medicine is a concise, up-to-date prescribing guide containing all the 'must-have' information that clinical professionals treating patients with respiratory conditions need to know. This book provides focused information for all health professionals prescribing drugs for or to patients with a respiratory condition and is an essential guide for pulmonologists, intensive care physicians, emergency medicine doctors and general practitioners and nurse prescribers, in training and in practice.

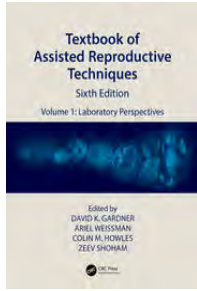
CRC Press  
September 2023:328  
Pb: 978-1-498-74440-9: £19.99  
eBook: 978-1-315-15181-6

\* For full contents and more information, visit: [www.routledge.com/9781498744409](http://www.routledge.com/9781498744409)



# Textbook of Assisted Reproductive Techniques

Volume 1: Laboratory Perspectives



*Edited By* David K. Gardner, Ariel Weissman, Colin M. Howles, Zeev Shoham

Established as the definitive reference for the IVF clinic, the sixth edition has been extensively revised, with the addition of several important new contributions on laboratory topics, including KPIs for the IVF laboratory, Quality control in the cloud, Artificial Intelligence.

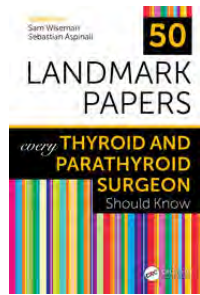
CRC Press

November 2023:384

Hb: 978-1-032-21476-4: £175.00

\* For full contents and more information, visit: [www.routledge.com/9781032214764](http://www.routledge.com/9781032214764)

## 50 Landmark Papers every Thyroid and Parathyroid Surgeon Should Know



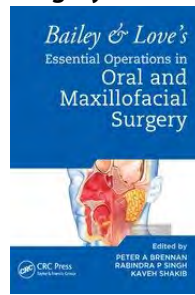
*Edited By* Sam Wiseman, Sebastian Aspinall

*Series:* 50 Landmark Papers

This book provides an expert perspective, from some of the world's leading surgeons, on the papers that have had the greatest impact in the field of thyroid and parathyroid surgery over the past decade. This book contains expert analysis of the key contemporary papers and topics underlying the practice of endocrine neck surgery for general surgeons, otolaryngologists, head and neck surgeons, endocrine surgeons, trainees and other healthcare professionals. The broad range of topics covered will enable the reader to understand how recent research has developed and represents an excellent resource for trainees at all levels preparing for specialty examinations.

CRC Press  
August 2023:325  
Hb: 978-1-032-05142-0: £120.00  
Pb: 978-1-032-04212-1: £34.50  
\* For full contents and more information, visit: [www.routledge.com/9781032042121](http://www.routledge.com/9781032042121)

## Bailey & Love's Essential Operations in Oral & Maxillofacial Surgery

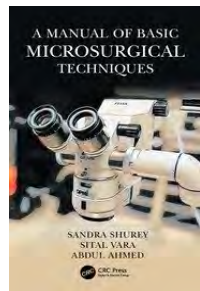


*Edited By* Peter A. Brennan, Rabindra Singh, Kaveh Shakib

A new oral and maxillofacial operative manual in Bailey & Love's Essential Operations series. Covering all the surgical techniques across the entire remit of the specialty, written by acknowledged experts and trainers, and with abundant diagrams and figures to explain the operative steps, this new resource will benefit oral and maxillofacial surgeons in training and in practice.

CRC Press  
December 2023:732  
Hb: 978-1-032-03056-2: £150.00  
Pb: 978-0-367-77258-1: £99.99  
\* For full contents and more information, visit: [www.routledge.com/9780367772581](http://www.routledge.com/9780367772581)

## A Manual of Basic Microsurgical Techniques

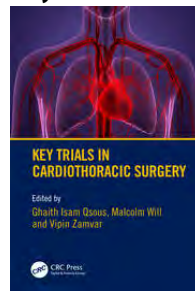


*Edited By* Sandra Shurey, Sital Vara, Abdul Ahmed

A practical surgical manual providing a step-by-step guide to basic microsurgical techniques for the reconstruction of small vessels, nerves, and vas deferens. Includes access to videos demonstrating core microsurgical techniques. Microsurgery is not difficult provided it is taught properly: there is no magic formula, but it must be learnt slowly, patiently and step by step. This valuable resource will be useful for surgeons in training and in practice, and for research workers increasingly using microsurgical techniques in their experiments.

CRC Press  
November 2023:220  
Hb: 978-1-032-53674-3: £99.99  
Pb: 978-1-032-53576-0: £59.99  
\* For full contents and more information, visit: [www.routledge.com/9781032535760](http://www.routledge.com/9781032535760)

## Key Trials in Cardiothoracic Surgery



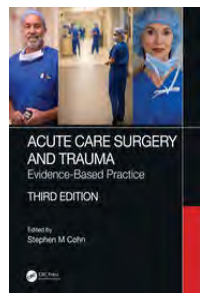
*Edited By* Ghaith Qsous, Vipin Zamvar, Malcolm Will

A concise summary of the most important clinical trials in cardiac and thoracic surgery. The focus is on how evidence-based decision making has helped to shape modern practice and guidelines. The key trials are described and an overview of their impact provided. Including full summaries of more than 30 trials and reflecting the clinical scenarios encountered in everyday practice by cardiothoracic surgeons, this concise volume is written for both trainee and more experienced members of the surgical team.

CRC Press  
October 2023:160  
Hb: 978-1-032-54458-8: £125.00  
Pb: 978-1-032-52590-7: £29.99  
\* For full contents and more information, visit: [www.routledge.com/9781032525907](http://www.routledge.com/9781032525907)

## Acute Care Surgery and Trauma

Evidence-Based Practice

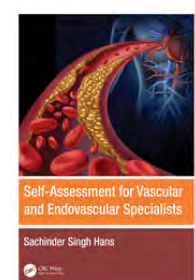


*Edited By* Stephen Cohn

This new edition continues to support clinicians by providing the most up-to-date information and evidence on which to base their decisions across a wide range of topics in acute care surgery and trauma, thus optimizing the decision-making process for the care of individual patients. A "must have" resource for every surgeon who manages trauma and acute care surgery patients...particularly useful for surgical residents and Surgical Critical Care and Trauma fellows, and attending surgeons.

CRC Press  
November 2023:480  
Hb: 978-1-032-32803-4: £240.00  
Pb: 978-1-032-32698-6: £99.99  
\* For full contents and more information, visit: [www.routledge.com/9781032326986](http://www.routledge.com/9781032326986)

## Self-Assessment for Vascular and Endovascular Specialists

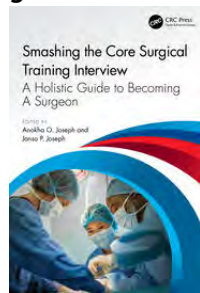


*Edited By* Sachinder Singh Hans

Advances in the treatment of vascular disease have played a significant role in rising life expectancy over the past 70 years, resulting in lower morbidity, mortality, and quicker recoveries. However, there remains an urgent challenge in controlling risk factors such as obesity, sedentary lifestyles, and tobacco abuse. Including over 500 multiple choice questions covering a wide range of vascular disorders to test the skills of all vascular specialists. Suitable for postgraduate trainee vascular medicine internists, interventional radiologists, vascular surgeons, and endovascular therapists as they prepare for exams or ensure that they remain up to date.

CRC Press  
November 2023:304  
Hb: 978-1-032-48612-3: £145.00  
Pb: 978-1-032-48555-3: £64.99  
\* For full contents and more information, visit: [www.routledge.com/9781032485553](http://www.routledge.com/9781032485553)

## Smashing The Core Surgical Training Interview: A Holistic guide to becoming a surgeon



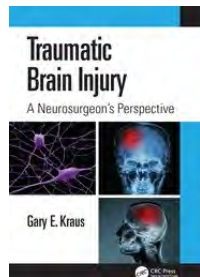
*Edited By* Anokha Joseph, Jano Joseph

Smashing Core Surgical Training Interviews is a crucial roadmap through the highly competitive world of surgery, written by previous Core Surgical Training National Recruitment panel members. It provides a realistic understanding of what is expected on the interview day and how best to prepare for it. This is the perfect preparation guide for any medical student or junior doctor with a serious desire to launch a career in surgery in the United Kingdom by smashing the Core Surgical Training interviews. This book contains more than 30 clinical scenarios and more than 15 management scenarios with model answers and model frameworks for structuring answers.

CRC Press  
September 2023:257  
Hb: 978-1-032-39591-3: **£120.00**  
Pb: 978-1-032-38843-4: **£35.99**

\* For **full contents** and more information, visit: [www.routledge.com/9781032388434](http://www.routledge.com/9781032388434)

## Traumatic Brain Injury: A Neurosurgeon's Perspective



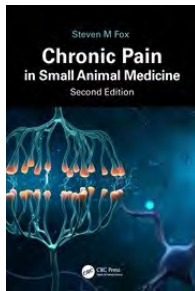
*Edited By* Gary Kraus

Leading neurosurgeon and author Gary Kraus explores traumatic brain injury (TBI) from the time a brain-injured patient arrives in the emergency department through to the clinical outcomes of such an injury. The author examines causation of TBI, the patient's stay in the neuro-intensive care unit and the many neurological assessments and tests that inform patient outcomes. This book will benefit Neurosurgical residents, Neurosurgeons, Neurologists managing patients with post traumatic brain injury, Neuro-Intensivists, Neuro-Psychologists, Researchers/scientists involved in Clinical trial in traumatic brain injury, and those with a specialist interest in Neuro-rehabilitation.

CRC Press  
June 2023:216  
Hb: 978-1-032-40658-9: **£190.00**  
Pb: 978-1-032-39489-3: **£74.99**  
eBook: 978-1-003-35415-4

\* For **full contents** and more information, visit: [www.routledge.com/9781032394893](http://www.routledge.com/9781032394893)

## Chronic Pain in Small Animal Medicine



Edited By Steven M. Fox

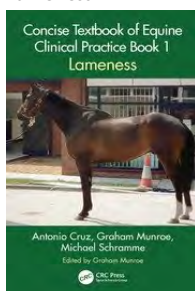
Over the past decade, many advances have been made in the discipline of pain management, including embracement under the One Medicine initiative to improve the health and well-being of multiple species. Contributing significantly to this progress is the evidence base provided by multimodal management of chronic diseases such as osteoarthritis, a leading cause of pet euthanasia. These advances are explored in this updated edition, which goes beyond common protocols by focusing on the latest evidence and our understanding of 'why and how to treat'.

CRC Press  
August 2023:294  
Hb: 978-1-032-45316-3: **£190.00**  
Pb: 978-1-032-45144-2: **£74.99**  
eBook: 978-1-003-37642-2

\* For full contents and more information, visit: [www.routledge.com/9781032451442](http://www.routledge.com/9781032451442)

## Concise Textbook of Equine Clinical Practice Book 1

Lameness



Edited By Antonio Cruz, Graham Munroe, Michael Schramme

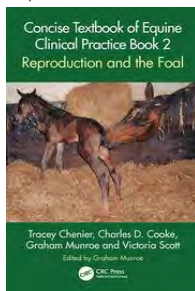
This concise, practical text covers the essential information veterinary students need to succeed in Equine practice, focussing on lameness. Written for an international readership, the book conveys the core information in an easily digestible, precise form with extensive use of bullet-points, lists, protocols and extensive illustration (over 650 full colour, high quality photographs and radiographs). Part of a five-book series that extracts key information from Munroe's Equine Surgery, Reproduction and Medicine, the book distils best practice in a logical clinical-based approach. The spiralbound format allows the book to lie open during practice.

CRC Press  
September 2023:364  
Hb: 978-1-032-43886-3: **£150.00**  
Pb: 978-1-032-06614-1: **£59.99**

\* For full contents and more information, visit: [www.routledge.com/9781032066141](http://www.routledge.com/9781032066141)

## Concise Textbook of Equine Clinical Practice Book 2

Reproduction and the Foal



Edited By Tracey Chenier, Charles D. Cooke, Graham Munroe, Victoria Scott

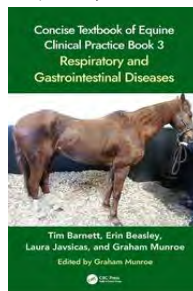
This concise, practical text covers the essential information veterinary students, new graduates and practitioners need to succeed in Equine practice, focussing on reproduction. Written for an international readership, the book conveys the core information in an easily digestible, precise form with extensive use of bullet-points, lists, diagrams, protocols and extensive illustrations. Part of a five-book series that extracts and updates key information from Munroe's Equine Surgery, Reproduction and Medicine, Second Edition, the book distils best practice in a logical straightforward clinical-based approach. The spiralbound format allows the book to lie open during practice.

CRC Press  
September 2023:222  
Hb: 978-1-032-47982-8: **£150.00**  
Pb: 978-1-032-06618-9: **£59.99**

\* For full contents and more information, visit: [www.routledge.com/9781032066189](http://www.routledge.com/9781032066189)

## Concise Textbook of Equine Clinical Practice Book 3

Respiratory and Gastrointestinal Diseases



Edited By Tim Barnett, Laura H. Javicas, Graham Munroe

This concise, practical text covers the essential information veterinary students and nurses, new graduates and practitioners need to succeed in equine medicine, focussing on respiratory and gastrointestinal diseases. Written for an international readership, the book conveys the core information in an easily digestible, precise form with extensive use of bullet-points, lists, diagrams, protocols and extensive illustration (over 200 full colour, high-quality photographs). The emphasis is on information tailored to general equine students and clinicians with just enough on advanced techniques to make the practitioner aware of what is available elsewhere.

CRC Press  
November 2023:304  
Hb: 978-1-032-54838-8: **£150.00**  
Pb: 978-1-032-06616-5: **£59.99**

\* For full contents and more information, visit: [www.routledge.com/9781032066165](http://www.routledge.com/9781032066165)

## Concise Textbook of Large Animal Handling

A Practical Handbook



Edited By C. B. Chastain

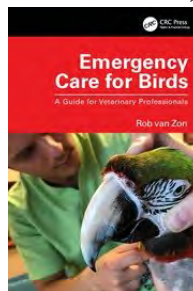
This concise, instructional guide condenses the most important aspects of large animal handling. It provides a portable, durable, beside-the-animal means of learning, as well as a convenient way to refresh on safety and efficacy in animal handling techniques. The text covers handler and animal safety, sanitation, approach and capture, routine handling and release, handling for medical procedures and use of restraint equipment. Important reading for undergraduate veterinary students on EMS rotations, as well as practicing veterinarians, technicians and assistants, the book covers species encountered in farm, equine and laboratory settings.

CRC Press  
June 2023:322  
Hb: 978-0-367-62812-3: **£94.99**  
Pb: 978-0-367-62809-3: **£38.99**  
eBook: 978-1-003-11091-0

\* For full contents and more information, visit: [www.routledge.com/9780367628093](http://www.routledge.com/9780367628093)

## Emergency Care for Birds

A Guide for Veterinary Professionals



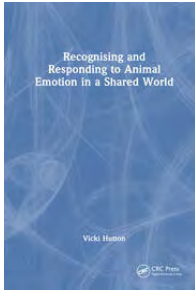
Edited By Rob van Zon

Due to their often small size and unique physical characteristics, birds can deteriorate rapidly in the event of illness and injury. This concise, practical guide will help veterinary professionals to provide first aid and emergency care for birds, as well as to instruct clients on providing basic first aid when they are unable to get to the clinic. It includes guidance for those presented with a moribund, critically ill patient i.e., recognising and treating hypothermia, hypoxia, hypovolaemia and hypoglycaemia. The book also lists of alarming signs of disease and toxic plants, and includes clinical procedures, emergency drug formulary and bandaging techniques.

CRC Press  
September 2023:256  
Hb: 978-1-032-31141-8: **£115.00**  
Pb: 978-1-032-31132-6: **£49.99**

\* For full contents and more information, visit: [www.routledge.com/9781032311326](http://www.routledge.com/9781032311326)

## Recognising and Responding to Animal Emotion in a Shared World



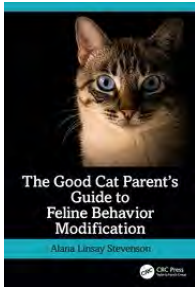
*Edited By* **Vicki Hutton**

This book draws on contemporary evidence-based research, observations, interviews and case scenarios to explore the growing knowledge base around non-human animals' capacity to experience emotions. Acknowledging that some animals can experience feelings directly affects the way that they are perceived and treated in many settings, and author Vicki Hutton explores the implications when humans apply – or ignore – this knowledge selectively between species and within species. She presents this information within a proposed hierarchy of perceived non-human animal emotional abilities, with examples of how these manifest at an emotional, spiritual and moral level.

CRC Press  
November 2023:260  
Hb: 978-1-032-28779-9: **£43.99**  
Pb: 978-1-032-28778-2: **£16.99**

\* For **full contents** and more information, visit: [www.routledge.com/9781032287782](http://www.routledge.com/9781032287782)

## The Good Cat Parent's Guide to Feline Behavior Modification



*Edited By* **Alana Linsay Stevenson**

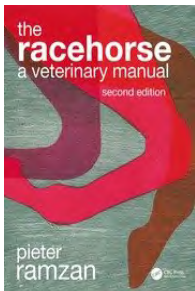
In this book, Elite Fear-Free and Low-Stress Handling Certified author Alana Stevenson aims to empower cat parents by demonstrating how to address and modify challenging cat behaviors. You will begin by learning basic kitten care and feline developmental stages, how cats differ behaviorally from group animals such as dogs and people, feline body language and how cats handle stress. The book then provides clear guidelines for resolving feline behavioral problems such as failure to use the litter box, play aggression, petting aggression, inter-cat aggression, furniture scratching, jumping on counters, obsessing about food, night wailing, fear of people, and aggression to strangers.

CRC Press  
October 2023:184  
Hb: 978-1-032-39877-8: **£44.99**  
Pb: 978-1-032-39876-1: **£16.99**

\* For **full contents** and more information, visit: [www.routledge.com/9781032398761](http://www.routledge.com/9781032398761)

## The Racehorse

A Veterinary Manual



*Edited By* **Pieter Ramzan**

This has become the definitive text for primary care of the Thoroughbred racehorse. Written by one of the world's leading racehorse veterinary clinicians, it sets out best practice standards of diagnosis and management of all the major conditions likely to be encountered in racehorse clinical practice, as well as comprehensively reviewing subjects as diverse as pre-purchase assessment and exercise physiology. This second edition has been thoroughly updated and introduces new chapters on a range of topics from injury risk assessment to electrolyte and fluid therapy.

CRC Press  
July 2023:498  
Hb: 978-0-367-42831-0: **£150.00**  
eBook: 978-1-003-00384-7

\* For **full contents** and more information, visit: [www.routledge.com/9780367428310](http://www.routledge.com/9780367428310)

- 3 . . . . . 3
- 3D Printing and Bioprinting for  
Pharmaceutical and Medical Applications . . . . . 1
- 5 . . . . . 5
- 50 Landmark Papers every Thyroid and  
Parathyroid Surgeon Should Know . . . . . 23
- A . . . . .**
- Acute Care Surgery and Trauma . . . . . 23
- A Manual of Basic Microsurgical Techniques  
. . . . . 23
- Applied Artificial Intelligence . . . . . 1
- Assessment of Polymeric Materials for  
Biomedical Applications . . . . . 1
- Atlas of Clinical Dermatology in Coloured  
Skin . . . . . 8
- Atlas of Clinical Endocrinology and  
Metabolism . . . . . 10
- B . . . . .**
- Bailey & Love's Essential Operations in Oral &  
Maxillofacial Surgery . . . . . 23
- Bioethanol Fuel Production Processes. I . . . . . 1
- Bioethanol Fuel Production Processes. II . . . . . 1
- Biology for the Health Sciences . . . . . 12
- Biomedical Signal Processing . . . . . 1
- Biomotors and their Nanobiotechnology  
Applications . . . . . 2
- C . . . . .**
- Carbon-Based Nanocarriers for Drug Delivery  
. . . . . 2
- Case Reports in Cardiology . . . . . 6
- Case Reports in Cardiology . . . . . 6
- Case Reports in Cardiology . . . . . 6
- Case Reports in Cardiology . . . . . 6
- Cellulose . . . . . 2
- Challenging Cases in Clinical Research Ethics  
. . . . . 14
- Chemical Peels in Clinical Practice . . . . . 8
- Chronic Pain in Small Animal Medicine . . . . . 25
- Clark's Essential Guide to Mammography . . . . . 9
- Clinical Consultation Skills in Medicine . . . . . 14
- Combating Women's Health Issues with  
Machine Learning . . . . . 2
- Combination Facial Reconstruction after  
Mohs Surgery . . . . . 8
- Concise Textbook of Equine Clinical Practice  
Book 1 . . . . . 25
- Concise Textbook of Equine Clinical  
Practice Book 2 . . . . . 25
- Concise Textbook of Equine Clinical  
Practice Book 3 . . . . . 25
- Concise Textbook of Large Animal  
Handling . . . . . 25
- Cosmeceutical Science in Clinical Practice . . . . . 8
- D . . . . .**
- Drying of Herbs, Spices, and Medicinal Plants  
. . . . . 2
- E . . . . .**
- Echocardiography . . . . . 6
- Echocardiography in Metabolic Syndrome . . . . . 6
- Emergency Care for Birds . . . . . 25
- Emergency Echocardiography . . . . . 7
- Empowering Behavior Change in Patients . . . . . 12
- Estimation of the Time Since Death . . . . . 11
- Evaluation and Utilization of Bioethanol  
Fuels. I. . . . . 2
- Evaluation and Utilization of Bioethanol  
Fuels. II. . . . . 3
- Evidence-Based Assessment Framework for  
Assistive Technology . . . . . 3
- F . . . . .**
- Family Medicine in the Undergraduate  
Curriculum . . . . . 14
- Feedstock-based Bioethanol Fuels. I. Non-  
Waste Feedstocks . . . . . 3
- Feedstock-based Bioethanol Fuels. II. Waste  
Feedstocks . . . . . 3
- Forensic and Legal Medicine . . . . . 11
- Functional Biomaterials . . . . . 3
- G . . . . .**
- Get Through MRCPsych CASC . . . . . 14
- Great Ormond Street Handbook of  
Paediatric Vascular Anomalies . . . . . 20
- Greenfield's Neuropathology 10e Vol 1 . . . . . 16
- Greenfield's Neuropathology 10e Vol 2 . . . . . 16
- H . . . . .**
- Handbook of Cardiac Critical Care and  
Anaesthesia . . . . . 7
- Handbook of Obesity - Volume 1 . . . . . 10
- Handbook of Obesity - Volume 2 . . . . . 10
- Healthcare Industry 4.0 . . . . . 3
- Helping a Field See Itself . . . . . 14
- Hodson and Geddes' Cystic Fibrosis . . . . . 21
- I . . . . .**
- Imaging in Critical Care Medicine . . . . . 9
- Infection Prevention and Control . . . . . 12
- Inhaled Delivery Systems for the Treatment  
of Asthma and COPD . . . . . 21
- Instant Wisdom for GPs . . . . . 12
- Interpreting Musculoskeletal Images . . . . . 9
- K . . . . .**
- Key Trials in Cardiothoracic Surgery . . . . . 23
- L . . . . .**
- Lignocellulosic Biomass Refining for Second  
Generation Biofuel Production . . . . . 4
- M . . . . .**
- Magnetic Quantum Dots for Bioimaging . . . . . 4
- Making Sense of Echocardiography . . . . . 7
- Making Sense of the Pediatric EEG . . . . . 20
- Material Modeling in Finite Element  
Analysis . . . . . 4
- Materials for Medical Applications . . . . . 4
- Medical Generalism, Now! . . . . . 12
- Medical Jurisprudence & Clinical Forensic  
Medicine . . . . . 11
- Metallic Nanoparticles for Health and the  
Environment . . . . . 4
- Microbial Bioprocessing of Agri-food  
Wastes . . . . . 5
- Microbial Bioprocessing of Agri-food  
Wastes . . . . . 4
- Microneedles . . . . . 5
- N . . . . .**
- Nanocosmetics . . . . . 5
- Nanoparticles in Diagnosis, Drug Delivery  
and Nanotherapeutics . . . . . 5
- Need-to-Know NAFLD . . . . . 7
- O . . . . .**
- Obesity Medicine Made Easy . . . . . 10
- Obstetric Life Support Manual . . . . . 17
- Oncology and COVID 19 . . . . . 18
- Outpatient Nutrition Care: GI, Metabolic  
and Home Nutrition Support . . . . . 12
- P . . . . .**
- Paediatric Cases in Coloured Skin . . . . . 20
- Patient Safety . . . . . 13
- Planning & Designing Health Care  
Facilities in Developing Countries . . . . . 13
- Pocket Prescriber Pulmonary Medicine . . . . . 21
- Practical Radiotherapy Planning . . . . . 18
- Practical Ways to Improve Patient  
Adherence . . . . . 8
- Prototype of a Biomimetic Multi-Spiked  
Connecting Scaffold for a New Generation of  
Resurfacing Endoprostheses . . . . . 5
- Public Health Approach to Health Promotion  
. . . . . 13
- R . . . . .**
- Recognising and Responding to Animal  
Emotion in a Shared World . . . . . 26
- Refraction and Retinoscopy . . . . . 19
- S . . . . .**
- Self-Assessment for Vascular and  
Endovascular Specialists . . . . . 23
- Smashing The Core Surgical Training  
Interview: A Holistic guide to becoming a  
surgeon . . . . . 24
- Storytelling in Medicine . . . . . 14
- Strelkauskas' Microbiology . . . . . 15
- T . . . . .**
- Technology and Medicine . . . . . 13
- Textbook of Assisted Reproductive  
Techniques . . . . . 22
- Textbook of Community Ophthalmology . . . . . 19
- Textbook of Female Urology and  
Urogynecology . . . . . 17
- The Art of Medical Communication . . . . . 13
- The Good Cat Parent's Guide to Feline  
Behavior Modification . . . . . 26
- The Labour Ward Handbook . . . . . 20
- The Racehorse . . . . . 26
- Traumatic Brain Injury: A Neurosurgeon's  
Perspective . . . . . 24
- U . . . . .**
- Ultrasound of Congenital Fetal Anomalies . . . . . 17

<b>A</b> . . . . .	<b>F</b> . . . . .	Ozcan Konur . . . . .	<b>W</b> . . . . .
Abu Zahrim Yaser, Mohd Sani Sarjadi, Junidah	Firdos Alam Khan . . . . . <u>4</u>	Ozcan Konur . . . . . <u>3</u>	William C. Roberts . . . . . <u>6</u>
Lamaming . . . . . <u>2</u>	<b>G</b> . . . . .	Ozcan Konur . . . . . <u>3</u>	William C. Roberts . . . . . <u>6</u>
Alana Lindsay Stevenson . . . . . <u>26</u>	Ganesh Naik, Wellington Pinheiro dos Santos . . . . . <u>1</u>	Ozcan Konur . . . . . <u>3</u>	William C. Roberts . . . . . <u>6</u>
Aleksandar N. Neskovic, Frank A.	Gary Kraus . . . . . <u>24</u>	<b>P</b> . . . . .	William C. Roberts . . . . . <u>6</u>
Flachskampf . . . . . <u>7</u>	George A. Bray, Claude Bouchard . . . . . <u>10</u>	P. Karthikeyan, Polinapilinho F. Katina, R.	<b>X</b> . . . . .
Ambika Prasad Patra, Kusa Kumar Shaha . . . . . <u>11</u>	George A. Bray, Claude Bouchard . . . . . <u>10</u>	Rajagopal . . . . . <u>3</u>	Xavier G Goodarzian . . . . . <u>8</u>
Amin Reza Rajabzadeh, Seshasai Srinivasan,	Ghaith Qsous, Vipin Zamvar, Malcolm	Paul Elliott, Julie Storr, Annette Jeanes . . . . . <u>12</u>	<b>Z</b> . . . . .
Poushali Das, Sayan Ganguly . . . . . <u>4</u>	Will . . . . . <u>23</u>	Pauline Camacho . . . . . <u>10</u>	Zhaochun Yang . . . . . <u>4</u>
Ananda Chatterjee . . . . . <u>10</u>	Will . . . . . <u>23</u>	P C Das, Piyush Kumar . . . . . <u>8</u>	
Andrea Shields, Jacqueline Vidosh, Laurie	Gustavo Molina, Minaxi Sharma, Rachid	Peixuan Guo, Aibing Wang . . . . . <u>2</u>	
Kavanagh, Peter Nielsen, Brook Thomson . . . . . <u>17</u>	Benhida, Vijai Kumar Gupta, Ramesh	Peter A. Brennan, Rabindra Singh, Kaveh	
Andrew Bush, Margarida D. Amaral, Jane C.	Chander Kuhad . . . . . <u>4</u>	Shakib . . . . . <u>23</u>	
Davies, Nicholas J. Simmonds, Jennifer L.	Gustavo Molina, Minaxi Sharma, Vipin	Piet Ramzan . . . . . <u>26</u>	
Taylor-Cousar, Sarah C. Ranganathan . . . . . <u>21</u>	Chandra Kalia, Franciele Pelissari, Vijai	Ponnusami V., Kiran Babu Uppuluri,	
Andrew R. Houghton . . . . . <u>7</u>	Kumar Gupta . . . . . <u>5</u>	Rangabhashiyam S, Pardeep Singh . . . . . <u>4</u>	
Anirban Hom Choudhuri, Ashish Verma . . . . . <u>9</u>	<b>H</b> . . . . .	Prashant Kesharwani, Sunil Kumar Dubey . . . . . <u>5</u>	
Anokha Joseph, Janso Joseph . . . . . <u>24</u>	Hiep Xuan Nguyen . . . . . <u>5</u>	Praveen Vashist, Noopur Gupta, Suraj Singh	
Antonio Cruz, Graham Munroe, Michael	<b>J</b> . . . . .	Senjam, Vivek Gupta . . . . . <u>19</u>	
Schramme . . . . . <u>25</u>	Jason Payne-James, Roger Byard . . . . . <u>11</u>	<b>R</b> . . . . .	
Anuj Kumar, Durgalakshmi Dhinasekaran,	Joanne Reeve . . . . . <u>12</u>	Ranthilaka R. Gammanpila, Ajith P.	
Irina Savina, Sung Soo Han . . . . . <u>3</u>	John Chambers, Sandeep S. Hothi,	Kannangara . . . . . <u>20</u>	
<b>B</b> . . . . .	Camelia Demetrescu . . . . . <u>6</u>	Rob van Zon . . . . . <u>25</u>	
Beatrix Fahnert, Phoebe Lostroh . . . . . <u>15</u>	Jonathan Park, David Jones, Leo Feinberg . . . . . <u>19</u>	Rosie Jones . . . . . <u>9</u>	
Bengt Nielsen . . . . . <u>13</u>	Jose Luis Pedraz Muñoz, Laura Saenz del	Russell Kelsey . . . . . <u>13</u>	
Benjamin S Wilfond, Devan M Duenas, Liza-	Burgo Martínez, Gustavo Puras Ochoa, Jon	Ryszard Uklejewski, Piotr Rogala, Mariusz	
Marie Johnson, Holly A Taylor . . . . . <u>14</u>	Zarate Sesma . . . . . <u>1</u>	Winiacki . . . . . <u>5</u>	
Beth Frates, Mark D. Faries . . . . . <u>12</u>	Jude Hemanth, Meenu Gupta . . . . . <u>2</u>	<b>S</b> . . . . .	
Burkhard Madea . . . . . <u>11</u>	<b>K</b> . . . . .	Sachinder Singh Hans . . . . . <u>23</u>	
<b>C</b> . . . . .	Keith Hopcroft . . . . . <u>12</u>	Sam Wiseman, Sebastian Aspinall . . . . . <u>23</u>	
C. B. Chastain . . . . . <u>25</u>	<b>L</b> . . . . .	Sandra Shurey, Sital Vara, Abdul Ahmed . . . . . <u>23</u>	
Carol Ireton-Jones . . . . . <u>12</u>	Leroy Edozien . . . . . <u>20</u>	Shashikant Sharma, Saurabh Singh . . . . . <u>13</u>	
Charlie Guy . . . . . <u>13</u>	Linda Cardozo, David Staskin . . . . . <u>17</u>	Stanislav N. Tolkachjov, Felipe B. Cerci . . . . . <u>8</u>	
Ching Lik Hii, Shivanand S. Shirkole . . . . . <u>2</u>	Luigi Cavanna, Chiara Citterio, Gabriella	Stephen Cohn . . . . . <u>23</u>	
Claire Borrelli, Claire Mercer . . . . . <u>9</u>	Marfe, Luigi Montano . . . . . <u>18</u>	Stephen Morris, Tom Roques, Shahreen	
Colin Robertson, Gareth Clegg, James	<b>M</b> . . . . .	Ahmad, Suat Loo . . . . . <u>18</u>	
Huntley . . . . . <u>14</u>	Maria Montenegro . . . . . <u>20</u>	Steven M. Fox . . . . . <u>25</u>	
Colin Smith, Arie Perry, Gabor Kovacs,	Mario Veen, Anna T. Cianciolo . . . . . <u>14</u>	Sunandan Sikdar . . . . . <u>7</u>	
Thomas Jacques . . . . . <u>16</u>	Mark F Wisner . . . . . <u>12</u>	Susan A. Zapf . . . . . <u>3</u>	
Colin Smith, Thomas Jacques, Gabor	Md Sabir Alam, Md Noushad Javed, Jamilur	Swati V. Shinde, Varsha Bendre, Jude	
Kovacs, Arie Perry . . . . . <u>16</u>	R Ansari . . . . . <u>4</u>	Hemanth, M.A. Balafar . . . . . <u>1</u>	
Craig Batista, Donald RJ Singer, Peter J	Melvyn Zhang, Cyrus Ho, Roger Ho, Basant	<b>T</b> . . . . .	
Barnes . . . . . <u>21</u>	Puri . . . . . <u>14</u>	Tim Barnett, Laura H. Javsicas, Graham	
<b>D</b> . . . . .	Mihir Kumar Purkait, Ankush D. Sontakke, A.	Munroe . . . . . <u>25</u>	
Daniel J Lewis, Steven R Feldman . . . . . <u>8</u>	Anweshan . . . . . <u>2</u>	Tracey Chenier, Charles D. Cooke, Graham	
Dario Paladini, Paolo Volpe . . . . . <u>17</u>	Monika Arora, Shifalika Goenka . . . . . <u>13</u>	Munroe, Victoria Scott . . . . . <u>25</u>	
David K. Gardner, Ariel Weissman, Colin M.	<b>N</b> . . . . .	<b>V</b> . . . . .	
Howles, Zeev Shoham . . . . . <u>22</u>	Naim Alkhouri, Stephen A. Harrison . . . . . <u>7</u>	Val Wass, Victor Ng . . . . . <u>14</u>	
David Maisuradze, Alexandre Qistauri . . . . . <u>6</u>	Neil S Sadick, Mary P Lupo, Zoe Diana	Vicki Hutton . . . . . <u>26</u>	
Divya Tripathy, Anjali Gupta, Arvind Kumar	Draelos . . . . . <u>8</u>	Vijay Chaudhary, Sumit Gupta, Pallav Gupta,	
Jain, Anuradha Mishra, Kuldeep Singh . . . . . <u>5</u>	Neil W. Bulstrode, Alex Barnacle, Maanasa	Partha Pratim Das . . . . . <u>1</u>	
Donald A. Mahler, Rajiv Dhand . . . . . <u>21</u>	Polubothu . . . . . <u>20</u>		
<b>E</b> . . . . .	<b>O</b> . . . . .		
Ernest Suresh . . . . . <u>14</u>	Ozcan Konur . . . . . <u>1</u>		
	Ozcan Konur . . . . . <u>2</u>		

