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## Routledge Handbook of Qualitative Research in Sport and Exercise

*Taylor & Francis* The last two decades have witnessed a proliferation of qualitative research in sport and exercise. The Routledge Handbook of Qualitative Research in Sport and Exercise is the first book to offer an in-depth survey of established and emerging qualitative methods, from conceptual first principles to practice and process. Written and edited by a team of world-leading researchers, and some of the best emerging talents, the book introduces a range of research traditions within which qualitative researchers work. It explores the different methods used to collect and analyse data, offering rationales for why each method might be chosen and guidance on how to employ each technique successfully. It also introduces important contemporary debates and goes further than any other book in exploring new methods, concepts, and future directions, such as sensory research, digital research, visual methods, and how qualitative research can generate impact. Cutting-edge, timely and comprehensive, the Routledge Handbook of Qualitative Research in Sport and Exercise is an essential reference for any student or scholar using qualitative methods in sport and exercise-related research.

## Cultural Techniques

## Grids, Filters, Doors, and Other Articulations of the Real

*Fordham Univ Press* In a crucial shift within posthumanistic media studies, Bernhard Siegert dissolves the concept of media into a network of operations that reproduce, displace, process, and reflect the distinctions fundamental for a given culture. Cultural Techniques aims to forget our traditional understanding of media so as to redefine the concept through something more fundamental than the empiricist study of a medium's individual or collective uses or of its cultural semantics or aesthetics. Rather, Siegert seeks to relocate media and culture on a level where the distinctions between object and performance, matter and form, human and nonhuman, sign and channel, the symbolic and the real are still in the process of becoming. The result is to turn ontology into a domain of all that is meant in German by the word Kultur. Cultural techniques comprise not only self-referential symbolic practices like reading, writing, counting, or image-making. The analysis of artifacts as cultural techniques emphasizes their ontological status as "in-between," shifting from first-order to second-order techniques, from the technical to the artistic, from object to sign, from the natural to the cultural, from the operational to the representational. Cultural Techniques ranges from seafaring, drafting, and eating to the production of the sign-signal distinction in old and new media, to the reproduction of anthropological difference, to the study of trompe-l'oeils, grids, registers, and doors. Throughout, Siegert addresses fundamental questions of how ontological distinctions can be replaced by chains of operations that process those alleged ontological distinctions within the ontic. Grounding posthumanist theory both historically and technically, this book opens up a crucial dialogue between new German media theory and American postcybernetic discourses.

## Natural Products from Plants, Second Edition

*CRC Press* 2008 NOMINEE The Council on Botanical and Horticultural Libraries Annual Award for a Significant Work in Botanical or Horticultural Literature From medicinal, industrial, and culinary uses to cutting-edge laboratory techniques in modern research and plant conservation strategies, Natural Products from Plants, Second Edition reveals a vastly expanded understanding of the natural products that plants produce. In a single volume, this book offers a thorough inventory of the various types of plant-derived compounds. It covers their chemical composition, structure, and properties alongside the most effective ways to identify, extract, analyze, and characterize new plant-derived compounds. The authors examine new information on the chemical mechanisms plants use to deter predators and pathogens, attract symbiotic organisms, and defend themselves against environmental stress—insights which are key for adapting such mechanisms to human health. Along with updated and revised information from the highly acclaimed first edition, the second edition presents seven new chapters and features more than 50% new material relating to plant constituents, natural product biochemistry, and molecular biology. The book incorporates in-depth treatment of natural product biosynthesis with new collection and extraction protocols, advanced separation and analytical techniques, up-to-date bioassays, as well as modern molecular biology and plant biotechnology for the production of natural products. Unique in its breadth and coverage, Natural Products from Plants, Second Edition belongs on the shelf of interested researchers, policymakers, and consumers—particularly those involved in disease prevention, treatment, and pharmaceutical applications—who need a complete guide to the properties, uses, and

study of plant natural products.

## Diagnosis of Acute Abdominal Pain

This revised and expanded edition deals with the diagnosis of acute abdominal pain. Topics covered include perforated peptic ulcer and acute pancreatitis, a revision of the physical examination, acute abdominal pain in children, and urinary tract problems.

## Proteins

## Energy, Heat and Signal Flow

CRC Press Computational modeling can provide a wealth of insight into how energy flow in proteins mediates protein function. Computational methods can also address fundamental questions related to molecular signaling and energy flow in proteins. Proteins: Energy, Heat and Signal Flow presents state-of-the-art computational strategies for studying energy redistribution, signaling, and heat transport in proteins and other molecular machines. The first of four sections of the book address the transport of energy in molecular motors, which function through a combination of chemically driven large-scale conformational changes and charge transport. Focusing on vibrational energy flow in proteins and nanostructures, the next two sections discuss approaches based on molecular dynamics simulations and harmonic analysis. By exploring the flow of free energy in proteins, the last section examines the conformational changes involved in allosteric transitions and the role of coupled protein-solvent dynamics in conformational changes. It also presents computational approaches developed to locate pathways between protein structures. The integrated presentation of this comprehensive, up-to-date volume emphasizes the interrelations between disparate computational approaches that have contributed to our understanding of energy flow in proteins and its role in protein function. By defining the forefront of research in this area, the book delineates the current challenges and opportunities in developing novel methods and applications for the evolving study of energy flow in molecular machines and nanomaterials.

## Blind Landings

## Low-Visibility Operations in American Aviation, 1918-1958

JHU Press When darkness falls, storms rage, fog settles, or lights fail, pilots are forced to make "instrument landings," relying on technology and training to guide them through typically the most dangerous part of any flight. In this original study, Erik M. Conway recounts one of the most important stories in aviation history: the evolution of aircraft landing aids that make landing safe and routine in almost all weather conditions. Discussing technologies such as the Loth leader-cable system, the American National Bureau of Standards system, and its descendants, the Instrument Landing System, the MIT-Army-Sperry Gyroscope microwave blind landing system, and the MIT Radiation Lab's radar-based Ground Controlled Approach system, Conway interweaves technological change, training innovation, and pilots' experiences to examine the evolution of blind landing technologies. He shows how systems originally intended to produce routine, all-weather blind landings gradually developed into routine instrument-guided approaches. Even so, after two decades of development and experience, pilots still did not want to place the most critical phase of flight, the landing, entirely in technology's invisible hand. By the end of World War II, the very concept of landing blind therefore had disappeared from the trade literature, a victim of human limitations.

## Smart Village Technology

## Concepts and Developments

Springer Nature This book offers a transdisciplinary perspective on the concept of "smart villages" Written by an authoritative group of scholars, it discusses various aspects that are essential to fostering the development of successful smart villages. Presenting cutting-edge technologies, such as big data and the Internet-of-Things, and showing how they have been successfully applied to promote rural development, it also addresses important policy and sustainability issues. As such, this book offers a timely snapshot of the state-of-the-art in smart village research and practice.

## The Endothelium

Morgan & Claypool Publishers "The endothelium is a major player in the control of blood fluidity, platelet aggregation and vascular tone, a major actor in the regulation of immunology, inflammation and angiogenesis, and an important metabolizing and an endocrine organ. Endothelial cells controls vascular tone, and thereby blood flow, by synthesizing and releasing relaxing and contracting factors such as nitric oxide, metabolites of arachidonic acid via the cyclooxygenases, lipoxygenases and cytochrome P450 pathways, various peptides (endothelin, urotensin, CNP, adrenomedullin, etc.), adenosine, purines, reactive oxygen species and so on. Additionally, endothelial ectoenzymes are required steps in the generation of vasoactive hormones such as angiotensin II. An endothelial dysfunction linked to an imbalance in the synthesis and/or the release of these various endothelial factors may explain the initiation of cardiovascular pathologies (from hypertension to atherosclerosis) or their development and perpetuation. "--Publisher.

## Beneficial Insects

*CRC Press CHOICE* Highly recommended 2020 Insects are key components of life on our planet, and their presence is essential for maintaining balanced terrestrial ecosystems. Without insects humans would struggle to survive, and on a world scale food production would be severely compromised. Many plants and animals depend directly or indirectly on insects for their very survival, and this is particularly so in the case of insectivorous birds and other such creatures. The beneficial role of insects is often overlooked or misunderstood, and in farming circles their very presence on crops is often seen to be unwelcome. In reality, however, many insects are genuinely beneficial, as in the case of parasitic and predacious species. The use of chemical pesticides to control crop pests is becoming more tightly regulated and environmentally undesirable, and low-input farming, in which natural enemies of pests are encouraged to survive or increase, is becoming far more prevalent. Accordingly, Integrated Pest Management (IPM) and Integrated Pest Management (ICM) strategies are increasingly being developed, advocated and adopted. Features: Highlights information on many groups of insects and mites that act as natural enemies or biological control agents of phytophagous insects and mites, including plant pests. Profusely illustrated with high-quality colour photographs. Focuses mainly on insects and mites as natural enemies of plant pests, including parasitic and predacious species that have been accidentally or deliberately introduced in classical biological control programmes. Reviews the role of phytophagous European insects and mites in controlling or managing European plants that have become invasive weeds in other parts of the world, notably North America, Australia and New Zealand.

## Encyclopedia of Careers and Vocational Guidance: Career articles Phy-Z

*Ferguson Publishing Company* Profiles various careers in detail, and provides advice on choosing an appropriate career that matches skill and interests, applying and interviewing for jobs, meeting requirements, and pursuing professional growth.

## Stroke Nursing

*John Wiley & Sons* Stroke Nursing is the leading guide for optimal stroke care, facilitating the provision of evidence-based practice across the stroke journey, and covering the sixteen elements of care outlined in the UK's Stroke-Specific Education Framework (SSEF). Drawing from years of clinical and research experience, the authors provide practical guidance on the essential areas of stroke nursing, including stroke classification, stabilisation, thrombolysis and thrombectomy, rehabilitation and recovery, nutrition and oral care, palliative and long-term care, physical impairment management, and more. Now in its second edition, this indispensable guide helps practitioners expand their knowledge, skills and competence in all areas of stroke nursing services. Adopts a practical and evidence-based approach to stroke management, exploring UK and international perspectives Authored by expert clinicians and leaders in the field of nursing practice, research and education Includes updated case studies and practice examples, expanded coverage of clinical application in practice, and new discussions of the knowledge and skills required by nurses Stroke Nursing is essential reading for students of nursing and neuroscience, and is the definitive reference for practicing nurses and healthcare professionals caring for stroke patients.

## Western Blotting

## Methods and Protocols

*Humana Press* This volume covers past and present western blot techniques, such as diffusion blotting, slice blotting, blotting of high and low molecular weight proteins, single cell blotting and automated blotting. Written in the highly successful Methods in Molecular Biology series format, chapters include introductions to their respective topics, lists of the necessary materials and reagents, step-by-step, readily reproducible laboratory protocols, and tips on troubleshooting and avoiding known pitfalls. Thorough and cutting-edge, Western Blotting: Methods and Protocols will serve as an invaluable reference for those interested in further study into this fascinating field.

## Multi-Modality Atherosclerosis Imaging and Diagnosis

*Springer Science & Business Media* Stroke is one of the leading causes of death in the world, resulting mostly from the sudden ruptures of atherosclerosis carotid plaques. Understanding why and how plaque develops and ruptures requires a multi-disciplinary approach such as radiology, biomedical engineering, medical physics, software engineering, hardware engineering, pathological and histological imaging. Multi-Modality Atherosclerosis Imaging, Diagnosis and Treatment presents a new dimension of understanding Atherosclerosis in 2D and 3D. This book presents work on plaque stress analysis in order to provide a general framework of computational modeling with atherosclerosis plaques. New algorithms based on 3D and 4D Ultrasound are presented to assess the atherosclerotic disease as well as very recent advances in plaque multimodality image fusion analysis. The goal of Multi-Modality Atherosclerosis Imaging, Diagnosis and Treatment is to fuse information obtained from different 3D medical image modalities, such as 3D US, CT and MRI, providing the medical doctor with some sort of augmented reality information about the atherosclerotic plaque in order to improve the accuracy of the diagnosis. Analysis of the plaque dynamics along the cardiac cycle is also a valuable indicator for plaque instability assessment and therefore for risk stratification. 4D Ultrasound, a sequence of 3D reconstructions of the region of interest along the time, can be used for this dynamic analysis. Multimodality Image Fusion is a very appealing approach because it puts together the best characteristics of each modality, such as, the high temporal resolution of US and the high spatial resolutions of

MRI and CT.

## The Routledge Handbook of Corpus Linguistics

*Routledge* The Routledge Handbook of Corpus Linguistics provides a timely overview of a dynamic and rapidly growing area with a widely applied methodology. Through the electronic analysis of large bodies of text, corpus linguistics demonstrates and supports linguistic statements and assumptions. In recent years it has seen an ever-widening application in a variety of fields: computational linguistics, discourse analysis, forensic linguistics, pragmatics and translation studies. Bringing together experts in the key areas of development and change, the handbook is structured around six themes which take the reader through building and designing a corpus to using a corpus to study literature and translation. A comprehensive introduction covers the historical development of the field and its growing influence and application in other areas. Structured around five headings for ease of reference, each contribution includes further reading sections with three to five key texts highlighted and annotated to facilitate further exploration of the topics. The Routledge Handbook of Corpus Linguistics is the ideal resource for advanced undergraduates and postgraduates.

## Poor's Manual of Industrials

## Manufacturing, Mining, and Miscellaneous Companies

## Dental Stem Cells: Regenerative Potential

*Humana Press* This book focuses on the basic aspects of dental stem cells (DSCs) as well as their clinical applications in tissue engineering and regenerative medicine. It opens with a discussion of classification, protocols, and properties of DSCs and proceeds to explore DSCs within the contexts of cryopreservation; epigenetics; pulp, periodontal, tooth, bone, and corneal stroma regeneration; neuronal properties, mesenchymal stem cells and biomaterials; and as sources of hepatocytes for liver disease treatment. The fifteen expertly authored chapters comprehensively examine possible applications of DSCs and provide invaluable insights into mechanisms of growth and differentiation. Dental Stem Cells: Regenerative Potential draws from a wealth of international perspectives and is an essential addition to the developing literature on dental stem cells. This installment of Springer's Stem Cell Biology and Regenerative Medicine series is indispensable for biomedical researchers interested in bioengineering, dentistry, tissue engineering, regenerative medicine, cell biology and oncology.

## Pancreatic Cancer

*Springer Science & Business Media* Although pancreatic cancer is one of the most serious forms of cancers, the lack of clinical symptoms often limits curative treatment options. This book gives insight into the current understanding of the management of pancreatic cancer and considers recent findings in cancer research. It provides answers to questions of how to know when cancer is respectable, how to proceed when the diagnosis comes too late for a curative approach, and how to assess different study results.

## Accelerated Partial Breast Irradiation

## Techniques and Clinical Implementation

*Springer Science & Business Media* This text is a concise handbook designed to assist the clinician in the implementation of Accelerated Partial Breast Irradiation (APBI). It includes a review of the principles that underlie APBI, a practical and detailed description of each technique for APBI, a review of current clinical results of APBI, and a review of the incidence and management of treatment related complications. The book encompasses a number of different techniques and approaches that include brachytherapy, intraoperative, and external beam techniques. There is currently no single source that describes these techniques and their clinical implementation.

## Plant and Human Health, Volume 1

## Ethnobotany and Physiology

*Springer* Early anthropological evidence for plant use as medicine is 60,000 years old as reported from the Neanderthal grave in Iraq. The importance of plants as medicine is further supported by archeological evidence from Asia and the Middle East. Today, around 1.4 billion people in South Asia alone have no access to modern health care, and rely instead on traditional medicine to alleviate various symptoms. On a global basis, approximately 50 to 80 thousand plant species are used either natively or as pharmaceutical derivatives for life-threatening conditions that include diabetes, hypertension and cancers. As the demand for plant-based medicine rises, there is an unmet need to investigate the quality, safety and efficacy of these herbals by the "scientific methods". Current research on drug discovery from medicinal plants involves a multifaceted approach combining botanical, phytochemical, analytical, and molecular techniques. For instance, high throughput robotic screens have been developed by industry; it is now possible to carry out 50,000 tests per day in the search for compounds, which act on a key enzyme or a subset of receptors. This and other bioassays thus offer hope that one may eventually identify compounds for treating a variety of diseases or conditions. However, drug development from natural products is not without its problems. Frequent challenges encountered include the procurement of raw materials, the selection

and implementation of appropriate high-throughput bioassays, and the scaling-up of preparative procedures. Research scientists should therefore arm themselves with the right tools and knowledge in order to harness the vast potentials of plant-based therapeutics. The main objective of *Plant and Human Health* is to serve as a comprehensive guide for this endeavor. Volume 1 highlights how humans from specific areas or cultures use indigenous plants. Despite technological developments, herbal drugs still occupy a preferential place in a majority of the population in the third world and have slowly taken roots as alternative medicine in the West. The integration of modern science with traditional uses of herbal drugs is important for our understanding of this ethnobotanical relationship. Volume 2 deals with the phytochemical and molecular characterization of herbal medicine. Specifically, it focuses on the secondary metabolic compounds, which afford protection against diseases. Lastly, Volume 3 discusses the physiological mechanisms by which the active ingredients of medicinal plants serve to improve human health. Together this three-volume collection intends to bridge the gap for herbalists, traditional and modern medical practitioners, and students and researchers in botany and horticulture.

## Adaptive Radiation Therapy

*CRC Press* Modern medical imaging and radiation therapy technologies are so complex and computer driven that it is difficult for physicians and technologists to know exactly what is happening at the point-of-care. Medical physicists responsible for filling this gap in knowledge must stay abreast of the latest advances at the intersection of medical imaging and radiation therapy. This book provides medical physicists and radiation oncologists current and relevant information on Adaptive Radiation Therapy (ART), a state-of-the-art approach that uses a feedback process to account for patient-specific anatomic and/or biological changes, thus delivering highly individualized radiation therapy for cancer patients. The book should also benefit medical dosimetrists and radiation therapists. Adaptive Radiation Therapy describes technological and methodological advances in the field of ART, as well as initial clinical experiences using ART for selected anatomic sites. Divided into three sections (radiobiological basis, current technologies, and clinical applications), the book covers: Morphological and biological biomarkers for patient-specific planning Design and optimization of treatment plans Delivery of IMRT and IGRT intervention methodologies of ART Management of intrafraction variations, particularly with respiratory motion Quality assurance needed to ensure the safe delivery of ART ART applications in several common cancer types / anatomic sites The technology and methodology for ART have advanced significantly in the last few years and accumulated clinical data have demonstrated the need for ART in clinical settings, assisted by the wide application of intensity modulated radiation therapy (IMRT) and image-guided radiation therapy (IGRT). This book shows the real potential for supplying every patient with individualized radiation therapy that is maximally accurate and precise.

## Neural Tracing Methods

### Tracing Neurons and Their Connections

*Humana Press* This volume seeks to familiarize readers with a diverse range of technologies and approaches for probing neuron and circuit architecture, and, when possible, to attach detailed protocols to help guide readers toward practical application. From classical lipophilic dye and conjugated lectin tracing techniques, to electrophysiological, in vivo imaging, viral tract tracing, and emerging genetic methods to mark, manipulate, and monitor neural circuits, *Neural Tracing Methods: Tracing Neurons and Their Connections* includes reference to an arsenal of tools and technologies currently being implemented in model systems ranging from flies to mice. Written for the popular *Neuromethods* series, chapters include the kind of detail and key implementation advice that ensures successful results in the laboratory. Essential and authoritative, *Neural Tracing Methods: Tracing Neurons and Their Connections* collects a comprehensive compilation of chapters authored by inventors and expert users, that describes state-of-the-art neuronal tracing and functional analysis methods in order to aid researchers in continuing this vital pathway of study.

## A Prosopography to Martial's Epigrams

*Walter de Gruyter GmbH & Co KG* *A Prosopography to Martial's Epigrams* is the first dictionary of all the characters and personal names found in the work of Marcus Valerius Martialis, containing nearly 1,000 comprehensive entries. Each of them compiles and analyses all the relevant information regarding the characters themselves, as well as the literary implications of their presence in Martial's poems. Unlike other works of this kind, the book encompasses not only real people, whose positive existence is beyond doubt, but also fictional characters invented by the poet or inherited from the cultural and literary tradition. Its entries provide the passages of the epigrams where the respective characters appear; the general category to which they belong; the full name (in the case of historical characters); onomastic information, especially about frequency, meaning, and etymology; other literary or epigraphical sources; a prosopographical sketch; a discussion of relevant manuscript variants; and a bibliography. Much attention is paid to the literary portrayal of each character and the poetic usages of their names. This reference work is a much needed tool and is intended as a stimulus for further research.

## Career Guide to Industries

### Dromore, an Ulster Diocese

# Stereotactic Radiosurgery and Stereotactic Body Radiation Therapy

## A Comprehensive Guide

*Springer* This book is a comprehensive review of stereotactic radiosurgery (SRS) and stereotactic body radiation therapy (SBRT): its physics, clinical evidence, indications, and future directions. The utilization of stereotactic radiosurgery (SRS) and stereotactic body radiation therapy (SBRT) is increasing internationally because of several factors. First, it offers patients a local treatment option that has demonstrated effectiveness similar to traditional surgery without the morbidity of general anesthesia and open surgical resection. Second, recent advancements in the quality of scientific evidence supporting a SRS or SBRT-containing approach in patients continues to evolve and demonstrate favorable disease-specific outcomes with little, if any, toxicity in various anatomic disease sites and for various conditions including cancer, benign tumors, and other psychiatric and neurologic conditions. Third, and most provocatively, is the notion that definitive local therapy (i.e. SRS or SBRT) in patients with cancer can boost the immune system to fight cancer in other sites throughout the body. While traditional medical knowledge would suggest that all patients with metastatic cancer are incurable, there is a mounting body of evidence that there is a subset of these patients that can be cured with definitive SRS or SBRT. This volume thus delves into each of these benefits and aspects of treatment, guiding physicians to the best treatment plan for their patients. Expert, international authors provide guidelines for SRS and SBRT use by clinicians. Chapters are divided into six main sections: Radiobiology of Radiosurgery and Stereotactic Body Radiation Therapy, Intracranial Radiosurgery Technique, Intracranial Radiosurgery by Indication, Stereotactic Body Radiation Therapy Technique, Stereotactic Body Radiation Therapy by Indication, The Future of Radiosurgery and SBRT. Overall physics are explained, as well as specific considerations for particular surgical tools (including the Leksell Gamma Knife and Accuray CyberKnife), techniques (including fractionated and charged particle radiosurgery), and anatomic sites (including brain metastases, pituitary tumors, and the prostate). Detailed images and charts enhance the chapters. This book provides physicians with a single, practical resource incorporating both of these broad categories of treatment, SRS and SBRT, and better defines the current role and the direction of radiosurgery.

## The Language of Business Meetings

*Cambridge University Press* This innovative volume presents an in-depth study of the language used by participants in business meetings. The cutting-edge research draws on the Cambridge and Nottingham Business English Corpus (CANBEC), a unique resource which brings together meetings of different types both within and between companies, involving speakers whose roles and responsibilities vary, and who represent a range of nationalities and first languages. Keywords, concordance lines and discourse analysis provide thorough insights into aspects such as the structural stages of meetings, participants' discursive practices, interpersonal language and creativity, and power and constraint. The author concludes by making practical suggestions for using these findings to inform the teaching of business English.

## Peaceful Uses of Atomic Energy

## Flowering Plants · Dicotyledons

## Magnoliid, Hamamelid and Caryophyllid Families

*Springer Science & Business Media* This volume - the first of this series dealing with angiosperms - comprises the treatments of 73 families, representing three major blocks of the dicotyledons: magnoliids, centrosperms, and hamamelids. These blocks are generally recognized as subclasses in modern textbooks and works of reference. We consider them a convenient means for structuring the hundreds of dicotyledon families, but are far from taking them at face value for biological, let alone mono phyletic entities. Angiosperm taxa above the rank of family are little consolidated, as is easily seen when comparing various modern classifications. Genera and families, in contrast, are comparatively stable units -and they are important in practical terms. The genus is the taxon most frequently recognized as a distinct entity even by the layman, and generic names provide the key to all information available about plants. The family is, as a rule, homogeneous enough to conveniently summarize biological information, yet comprehensive enough to avoid excessive redundancy. The emphasis in this series is, therefore, primarily on families and genera.

## Textbook of Cosmetic Dermatology

*CRC Press* This text examines the concept of cosmetology and developments in surgical and clinical techniques in cosmetic skin care.

## Technical Basis of Radiation Therapy

## Practical Clinical Applications

*Springer Science & Business Media* This book, now in its fourth edition, is unique in detailing in depth the technological basis of radiation therapy. Compared with the previous edition, all chapters have been rewritten and updated. In addition, new chapters have been included on various topics, including the use of imaging in treatment planning, second malignant neoplasms due to irradiation, and quality assurance in radiation oncology. The book is divided into two sections. The first covers basic concepts in treatment planning, including essential physics, and explains the various approaches to radiation therapy, such as intensity-modulated radiation therapy, tomotherapy, and high and low dose rate brachytherapy. The second part documents the practical clinical applications of these concepts in the treatment of different cancers. All of the chapters have been written by leaders in the field. This book will serve to instruct and acquaint teachers, students and practitioners in the various fields of oncology with the basic technological factors and approaches in radiation therapy.

## Qualitative Research Methods in Sport, Exercise and Health

### From Process to Product

*Routledge* Qualitative forms of inquiry are a dynamic and exciting area within contemporary research in sport, exercise and health. Students and researchers at all levels are now expected to understand qualitative approaches and be able to employ them in their work. In this comprehensive and in-depth introductory text, Andrew C. Sparkes and Brett Smith take the reader on a journey through the entire qualitative research process that begins with the conceptualization of ideas and the planning of a study, moves through the phases of data collection and analysis, and then explains how findings might be represented in various ways to different audiences. Ethical issues are also explored in detail, as well as the ways that the goodness of qualitative research might be judged by its consumers. The book is based on the view that researchers need to make principled, informed and strategic decisions about what, why, when, and how to use qualitative forms of inquiry. The nature of qualitative research is explained in terms of both its core assumptions and what practitioners actually do in the field when they collect data and subject it to analysis. Each chapter is vividly illustrated with cases and examples from published research, to demonstrate different qualitative approaches in action and their relative strengths and weaknesses. The book also extends the boundaries of qualitative research by exploring innovative contemporary methodologies and novel ways to report research findings. *Qualitative Research Methods in Sport, Exercise and Health* is essential reading for any student, researcher or professional who wishes to understand this form of inquiry and to engage in a research project within a sport, exercise or health context.

## A History of European Printing

London ; New York : Academic Press

## A Global Compendium of Weeds

"The information presented in this compendium is specifically designed to give a weed risk assessor, or anyone interested in the weed potential of a plant, a condensed report of the status of a species with, most importantly, further avenues for finding more information through the extensive reference listing"--p. ii.

## The Practitioner as Teacher E-Book

*Elsevier Health Sciences* Do you mentor student nurses and/or newly registered nurses? This is a trusted handbook on how to teach others: peers, students, patients and relatives. Using a 'talking through' strategy this is a practical 'How to' guide, rather than an academic treatise, with a much stronger focus on the use of competencies. Sections focus on these key areas: • How people learn • How to teach • How to use competencies in teaching • How to support learners • How to assess teaching & learning • Learning objectives begin each chapter • Sets teaching within the context of nursing and education • Aids the teaching of reflective practice • Activities and exercises reinforce learning • Cartoons illustrate significant points. This edition has been updated in the areas of: • The Knowledge and Skills Framework (part of Agenda for Change) • Competency-based practice • NVQs - National Vocational Qualifications • Re-registering with the NMC • Accreditation of Prior Experiential Learning (APEL).

## Retinoids

### Methods and Protocols

*Methods in Molecular Biology* Exciting new biological functions are still being discovered for vitamin A derivatives, including the myriad physiological activities of retinoids. Here, experts in the field present the latest range of techniques for both in-vitro and in-vivo studies.

## POETICAL WORKS OF ROBERT BURNS

*Wentworth Press* This work has been selected by scholars as being culturally important, and is part of the knowledge base of civilization as we know it. This work was reproduced from the original artifact, and remains as true to the original work as possible. Therefore, you will see the original copyright references, library stamps (as most of these works have been housed in our most important libraries around the world), and other notations in the work. This work is in the public domain in the United States of America, and possibly other nations. Within the United States, you may freely copy and distribute this work, as no entity (individual or corporate) has a copyright on the body of the work. As a reproduction of a historical artifact, this work may contain missing or blurred pages, poor pictures, errant marks, etc. Scholars believe, and we concur, that this work is important enough to be preserved, reproduced, and made generally available to the public. We appreciate your support of the preservation process, and thank you for being an important part of keeping this knowledge alive and relevant.

## Survivors of Childhood and Adolescent Cancer

### A Multidisciplinary Approach

*Springer* This book is a comprehensive guide that will help medical professionals – pediatric oncologists, nurses, pediatricians, family practitioners, internists, radiation oncologists, surgeons – to understand and manage the long-term effects of treatment for childhood and adolescent cancer. The consequences of treatment are described for each organ system, with explanation of pathophysiology, clinical manifestations, detection and screening and management. Disease- and organ-based algorithms of care and tables designed to facilitate the assessment of late effects are highlights of the book and will assist in the provision of hands-on care that is up to date and geared to clinical need. Among the other topics addressed are stem cell transplantation, psychological care, legal issues, transition to adulthood and methodological issues in the study of survivorship care.

## Chemoinformatics in Drug Discovery

*John Wiley & Sons* This handbook provides the first-ever inside view of today's integrated approach to rational drug design. Chemoinformatics experts from large pharmaceutical companies, as well as from chemoinformatics service providers and from academia demonstrate what can be achieved today by harnessing the power of computational methods for the drug discovery process. With the user rather than the developer of chemoinformatics software in mind, this book describes the successful application of computational tools to real-life problems and presents solution strategies to commonly encountered problems. It shows how almost every step of the drug discovery pipeline can be optimized and accelerated by using chemoinformatics tools -- from the management of compound databases to targeted combinatorial synthesis, virtual screening and efficient hit-to-lead transition. An invaluable resource for drug developers and medicinal chemists in academia and industry.

## Molecular Ecology and Evolution: Approaches and Applications

*Birkhäuser* The past 25 years have witnessed a revolution in the way ecologists and evolutionary biologists approach their disciplines. Modern molecular techniques are now reshaping the spectrum of questions that can be addressed while studying the mechanisms and consequences of the ecology and evolution of living organisms. "Molecular Ecology and Evolution: Approaches and Applications" describes, from a molecular perspective, several methodological and technical approaches used in the fields of ecology, evolution, population biology, molecular systematics, conservation genetics, and development. Modern techniques are introduced, and older, more classic ones refined. The advantages, limitations, and potentials of each are discussed in detail, and thereby illustrate the widening range of cross-field research and applications which this modern technology is stimulating. This book will serve as an important textbook for graduate and advanced undergraduate students, and as a key reference work for researchers

## Natural Language Processing Using Very Large Corpora