Key Library Titles

December 2012
Biomedicine

**Antibiotic Resistance**

This book describes antibiotic resistance amongst pathogenic bacteria. It starts with an overview of the erosion of the efficacy of antibiotics by resistance and the decrease in the rate of replacement of redundant compounds. The origins of antibiotic resistance are then described. It is proposed that there is a large bacterial resistome which is a collection of all resistance genes and their precursors in both pathogenic and non-pathogenic bacteria. Ongoing resistance surveillance programs are also discussed, together with the perspective of a clinical microbiologist. The book then turns to specific themes such as the most serious area of resistance in pathogens, namely in...

More on www.springer.com/978-3-642-28950-7

**Hardcover**


► 339,00 €

ISBN 978-3-642-28950-7

Usually dispatched within 3 to 5 business days.

**Novel Antischizophrenia Treatments**

This volume tries to put current therapy - achievements, shortcomings, remaining medical needs - and emerging new targets into the context of increasing knowledge regarding the genetic and neurodevelopmental contributions to the pathophysiology of schizophrenia. Some of the chapters also deal with respective experimental and clinical methodology, biomarkers, and translational aspects of drug development. The volume concentrates on reviewing the ongoing research attempting to identify novel treatments for the cognitive deficits and negative symptoms of schizophrenia, which are not treated adequately by current antipsychotic medications.

More on www.springer.com/978-3-642-25757-5

**Hardcover**

2012. XII, 455 p. 20 illus., 15 in color. (Handbook of Experimental Pharmacology, Vol. 213)

► 339,00 €

ISBN 978-3-642-25757-5

Usually dispatched within 3 to 5 business days.

**Antiplatelet Agents**

Antiplatelet therapy is the cornerstone of treatment of ischemic cardiovascular disease and over the last few years spectacular advancements in this field have been recorded. This is the first comprehensive handbook entirely dedicated to all the aspects of antiplatelet therapy. The book is divided into three main sections, pathophysiology, pharmacology and therapy, for a total of 23 chapters. A large group of leading experts from different European countries and from the USA, both from academia and industry, have contributed to the book. Besides a detailed overview on the pharmacology and clinical applications of all the currently used or of the novel antiplatelet agents, innovative[...]

More on www.springer.com/978-3-642-29422-8

**Hardcover**


► 309,00 €

ISBN 978-3-642-29422-8

Usually dispatched within 3 to 5 business days.

**Current Antipsychotics**

Six decades after the serendipitous discovery of chlorpromazine as an antipsychotic and four decades after the launch of clozapine, the first atypical or second generation antipsychotic, psychopharmacology has arrived at an important crossroad. It is clear that pharmacological research and pharmaceutical development must now focus on complementary or even alternative mechanisms of action to address unmet medical needs, i.e. poorly treated domains of schizophrenia, improved acceptance by patients, better adherence to medication, safety in psychoses in demented patients, and avoiding cardiac and metabolic adverse effects. The first completely novel mechanisms evolving from our insights[...]

More on www.springer.com/978-3-642-25760-5

**Hardcover**


► 309,00 €

ISBN 978-3-642-25760-5

Usually dispatched within 3 to 5 business days.

**Muscarinic Receptors**

Muscarinic acetylcholine receptors have played a key role in the advancement of knowledge of pharmacology and neurotransmission since the inception of studies in these fields, and the effects of naturally occurring drugs acting on muscarinic receptors were known and exploited for both therapeutic and non-therapeutic purposes for hundreds of years before the existence of the receptors themselves was recognized. This volume presents a broad yet detailed review of current knowledge of muscarinic receptors that will be valuable both to long-time muscarinic investigators and to those new to the field. It describes the detailed insights that have been obtained on the structure, function,[...]

More on www.springer.com/978-3-642-23273-2

**Hardcover**

2012. XIII, 499 p. 44 illus., 24 in color. (Handbook of Experimental Pharmacology, Vol. 208)

► 339,00 €

ISBN 978-3-642-23273-2

Usually dispatched within 3 to 5 business days.
Appetite Control

The volume 'Appetite Control' provides a comprehensive description of the mechanisms controlling food intake, and thereby energy balance, in the mammalian organism. During the last decade, research in this area has produced a remarkable wealth of information and has characterized the function of numerous peptides, transmitters, and receptors in appetite control. Dysfunction of these circuits leads to obesity, a growing health concern. However, the plethora of mechanistic information is in marked contrasts to an almost complete lack of anti-obesity drugs that meet the safety standards required for the chronic therapy of morbid obesity. Consequently, ongoing research aims to[...]

More on www.springer.com/978-3-642-24715-6

H.-G. Joost, German Institute of Human Nutrition, Potsdam, Germany (Ed.)

Epigenetics: Development and Disease

Epigenetics is the phenomenon which fine tunes the processes associated with life, beyond that which is specified by the sequence of the genetic material: DNA. The covalent modification of DNA, DNA associated histones, several non histone proteins as well as non coding RNA coherently operate to establish the epigenetic regulation of gene expression in physiological and pathophysiological conditions. This volume presents contributions from worldwide experts presenting their research and findings, including: the evolution of epigenetic machineries from archaea to higher eukaryotes; role of epigenetics in development and transcription regulation; epigenetic landscape of human disease;[...]

More on www.springer.com/978-94-007-4524-7

Hardcover

2013. XXVI, 689 p. 70 illus., 56 in color. (Subcellular Biochemistry, Vol. 61)

$249.00 €

ISBN 978-94-007-4524-7

Usually dispatched within 3 to 5 business days.

R. Lever, University of London, UK; B. Mulloy, NIBSC, Potters Bar, Hertfordshire, UK, C.P. Page, Sackler Institute of Pulmonary Pharmacology, London, UK (Eds.)

Heparin - A Century of Progress

Heparins remain amongst the most commonly used drugs in clinical practice. Almost 100 years have passed since the initial discovery of this complex substance and, during this time, understanding of the nature and uses of heparin and related molecules has grown dramatically. The aim of this volume is to summarise the developments that have led to the current status of both heparins as drugs and the field of heparin research, with a focus on the particularly rapid progress that has been made over the past three decades. Individual sections are dedicated to the nature of heparin as a biological molecule, the current approaches and techniques that are used to ensure the safety and[...]

More on www.springer.com/978-3-642-23055-4

Hardcover

2012. XIV, 459 p. 79 illus., 4 in color. (Handbook of Experimental Pharmacology, Vol. 207)

$309.00 €

ISBN 978-3-642-23055-4

Usually dispatched within 3 to 5 business days.

V. Regitz-Zagrosek, Institute of Gender in Medicine (GIM), University of Berlin, Germany (Ed.)

Sex and Gender Differences in Pharmacology

This is the very first book to deal with sex and gender differences in drug therapy - an increasingly recognized medical need. It starts with an overview on S/G in clinical syndromes and a documentation of the medical and socioeconomic damage caused by gender specific adverse drug effects. Part I covers S/G differences in pharmacokinetics. Researchers will be satisfied by the detailed discussion of the mechanisms of S/G differences in drug effects that represents cutting edge science and includes interaction of drugs with sex hormones, genomic and epigenetic mechanisms. It also covers S/G in drug development, in animal models and clinical development and S/G in drug prescriptions.[...]

More on www.springer.com/978-3-642-30725-6

Hardcover

2012. IX, 600 p. 37 illus., 22 in color. (Handbook of Experimental Pharmacology, Vol. 214)

$339.00 €

ISBN 978-3-642-30725-6

Usually dispatched within 3 to 5 business days.

R. Lever, University of London, UK; B. Mulloy, NIBSC, Potters Bar, Hertfordshire, UK, C.P. Page, Sackler Institute of Pulmonary Pharmacology, London, UK (Eds.)

Hydrofunctionalization

Molecules.- A. L. Reznichenko and Kai C. Hultsch: Early Transition Metal (Group 3-5, Lanthanides and Actinides) and Main Group Metal (Group 1, 2, and 13) Catalyzed Hydroamination.- Naoko Nishina and Yoshinori Yamamoto: Late transition metal catalyzed hydroamination.- Sumed A. Pullarkat and Pak-Hing Leung: Chiral Metal Complex Promoted Asymmetric Hydrophosphinations.- Masato Tanaka: Recent[...]

More on www.springer.com/978-3-642-33734-5

Constitutional Dynamic Chemistry

More on www.springer.com/978-3-642-28343-7

Chemical Constituents of Bryophytes
Bio- and Chemical Diversity, Biological Activity, and Chemosystematics
For some 50 years, Professor Asakawa and his group have focused their research on the chemical constituents of bryophytes and have found that these plants contain large numbers of secondary metabolites, such as terpenoids, acetogenins, and aromatic compounds representative of many new skeletons, which exhibit interesting biological activities. Individual terpenoids, when found as constituents of both a bryophyte and a higher plant, tend to occur in different enantiomeric forms. Professor Asakawa has covered the literature on bryophytes in two earlier volumes of Progress in the Chemistry of Organic Natural Products, namely, Volumes 42 (1982) and 65 (1995). Since the publication of the[...]

More on www.springer.com/978-3-7091-1083-6

Electrochemical Dictionary
This second edition of the highly successful dictionary offers more than 300 new or revised terms. A distinguished panel of electrochemists provides up-to-date, broad and authoritative coverage of 3000 terms most used in electrochemistry and energy research as well as related fields, including relevant areas of physics and engineering. Each entry supplies a clear and precise explanation of the term and provides references to the most useful reviews, books and original papers to enable readers to pursue a deeper understanding if so desired. Almost 600 figures and illustrations elabo-...
Metalation of Azoles and Related Five-Membered Ring Heterocycles


More on www.springer.com/978-3-642-31790-3

Radicals in Synthesis III


Handbuch der gefährlichen Güter. Band 1: Merkblätter 1 - 414


Tissue Engineering III: Cell - Surface Interactions for Tissue Culture

More on www.springer.com/978-3-642-28281-2

Hardcover
► 249,00 €
ISBN 978-3-642-28281-2

Usually dispatched within 3 to 5 business days.

Unimolecular and Supramolecular Electronics I
Chemistry and Physics Meet at Metal-Molecule Interfaces
More on www.springer.com/978-3-642-27283-7

Hardcover
► 249,00 €
ISBN 978-3-642-27283-7

Usually dispatched within 3 to 5 business days.

Multiscale Molecular Methods in Applied Chemistry
More on www.springer.com/978-3-642-24967-9

Hardcover
2012. XII, 326 p. 82 illus., 40 in color. (Topics in Current Chemistry, Vol. 307)
► 249,00 €
ISBN 978-3-642-24967-9

Usually dispatched within 3 to 5 business days.

Synthetic Biodegradable Polymers
More on www.springer.com/978-3-642-27153-3

Hardcover
► 299,00 €
ISBN 978-3-642-27153-3

Usually dispatched within 3 to 5 business days.

Fluorescent Methods to Study Biological Membranes
Biological membranes play a central role in cell structure, shape and functions. However, investigating the membrane bilayer has proved to be difficult due to its highly dynamic and anisotropic structure, which generates steep gradients at the nanometer scale. Due to the decisive impact of recently developed fluorescence-based techniques, tremendous advances have been made in the last few years in our understand-
C. Tschierske, Martin-Luther-University Halle-Wittenberg, Germany (Ed.)

Liquid Crystals: Materials Design and Self-assembly
Fluorinated Liquid Crystals: Design of Soft Nanostructures and Increased Complexity of Self-Assembly by Perfluorinated Segments, by Carsten Tschierske; Liquid Crystal Crown Ethers, by Martin Kaller and Sabine Laschat; Star-Shaped Mesogens – Hekates: The Most Basic Star Structure with Three Branches, by Matthias Lehmann; DNA-Based Soft Phases, by Tommaso Bellini; Robertero Cerbino and Giuliano Zanchetta; Polar and Apolar Columnar Phases Made of Bent-Core Mesogens, by N. Vaupotič; D. Pociecha and E. Gorecka; Spontaneous Achiral Symmetry Breaking in Liquid Crystalline Phases, by H. Takezoe; Nanoparticles in Liquid Crystals and Liquid Crystalline Nanoparticles, by Oana Stamatoiu; Javad[...]

More on www.springer.com/978-3-642-27590-6

Hardcover
2012. XII, 410 p. 221 illus., 64 in color. (Topics in Current Chemistry, Vol. 318)
► 249,00 €
ISBN 978-3-642-27590-6
Usually dispatched within 3 to 5 business days.

Computer Science
J.S. Jin, University of Newcastle, Callaghan, NSW, Australia; C. Xu, Chinese Academy of Sciences, Beijing, China; M. Xu, University of Technology, Sydney, NSW, Australia

The Era of Interactive Media
Interactive Media is a new research field and a landmark in multimedia development. The Era of Interactive Media is an edited volume contributed from world experts working in academia, research institutions and industry. The Era of Interactive Media focuses mainly on Interactive media and its various applications. This book also covers multimedia analysis and retrieval; multimedia security rights and management; multimedia compression and optimization; multimedia communication and networking; and multimedia systems and applications. The Era of Interactive Media is designed for a professional audience composed of practitioners and researchers working in the field of multimedia. [...]

More on www.springer.com/978-1-4614-3500-6

Hardcover
2013. XVI, 681 p. 319 illus., 5 in color.
► 249,00 €
Usually dispatched within 3 to 5 business days.

Earth Sciences
K. Ugai, Gunma University, Kiryu, Japan; H. Yagi, Yamagata University, Japan; A. Wakai, Gunma University, Kiryu, Japan (Eds.)

Earthquake-Induced Landslides
Proceedings of the International Symposium on Earthquake-Induced Landslides, held in November 2012 in Kiryu, Japan.

More on www.springer.com/978-3-642-32237-2

Hardcover
2013. XVIII, 996 p. 843 illus., 627 in color.
► 249,00 €
ISBN 978-3-642-32237-2
Online orders shipping within 2-3 days.
Second International Handbook of Lifelong Learning

The second edition of the International Handbook of Lifelong Learning is extensive, innovative, and international in scope, remit and vision, inviting its readers to engage in a critical reappraisal of the theme of “lifelong learning”. It is thorough-going, rigorous and scholarly work, with profound and wide-ranging implications for the future of educating institutions and agencies of all kinds in the conception, planning and delivery of lifelong learning initiatives. Lifelong learning requires a wholly new philosophy of learning, education and training, one that aims to facilitate a coherent set of links and pathways between work, school and education, and recognises the necessity [...] More on www.springer.com/978-94-007-2359-7

Lifelong Learning is extensive, innovative, and international in scope, remit and vision, inviting its readers to engage in a critical reappraisal of the theme of “lifelong learning”. It is thorough-going, rigorous and scholarly work, with profound and wide-ranging implications for the future of educating institutions and agencies of all kinds in the conception, planning and delivery of lifelong learning initiatives. Lifelong learning requires a wholly new philosophy of learning, education and training, one that aims to facilitate a coherent set of links and pathways between work, school and education, and recognises the necessity [...] More on www.springer.com/978-94-007-2359-7

Nondestructive Testing of Materials and Structures

Condition assessment and characterization of materials and structures by means of nondestructive testing (NDT) methods is a priority need around the world to meet the challenges associated with the durability, maintenance, rehabilitation, retrofitting, renewal and health monitoring of new and existing infrastructures including historic monuments. Numerous NDT methods that make use of certain components of the electromagnetic and acoustic spectrum are currently in use to this effect with various levels of success and there is an intense worldwide research effort aimed at improving the existing methods and developing new ones. The knowledge and information compiled in this book [...] More on www.springer.com/978-94-007-0722-1

Leveraging Technology for a Sustainable World


The 19th CIRP Conference on Life Cycle Engineering continues a strong tradition of scientific meetings in the areas of sustainability and engineering within the community of the International Academy for Production Engineering (CIRP). The focus of the conference is to review and discuss the current developments, technology improvements, and future research directions that will allow engineers to help create green businesses and industries that are both socially responsible and economically successful. The symposium covers a variety of relevant topics within life cycle engineering including Businesses and Organizations, Case Studies, End of Life Management, Life Cycle Design, Machine [...] More on www.springer.com/978-3-642-29068-8

Machine Vision Handbook

The automation of visual inspection is becoming more and more important in modern industry as a consistent, reliable means of judging the quality of raw materials and manufactured goods. The Machine Vision Handbook equips the reader with the practical details required to engineer integrated mechanical-optical-electronic-software systems. Machine vision is first set in the context of basic information on light, natural vision, colour sensing and optics. The physical apparatus required for mechanized image capture – lenses, cameras, scanners and light sources – are discussed followed by detailed treatment of various image-processing methods including an introduction to the QT image [...] More on www.springer.com/978-1-84996-168-4

Harnessing the Topology, Kinematics and Design of Reconfigurable Mechanisms and Robots I

This ongoing series of conferences will be covered under the title “Mechanisms and Robots I” so as to cover the proceedings of the 15th ASME/IFToMM International Conference on Reconfigurable Mechanisms and Robots (ReMAR 2012) held on 9th -11th July 2012 in Tianjin, China. This ongoing series of conferences will be covered in this ongoing collection of books. A total of seventy-eight papers are divided into seven parts to cover the topology, kinematics and design of reconfigurable mechanisms including reconfigurable parallel mechanisms. In this aspect, the recent [...] More on www.springer.com/978-1-4471-4140-2

Engineering
Proceedings of the 21st International Meshing Roundtable

This volume contains the articles presented at the 21st International Meshing Roundtable (IMR) organized, in part, by Sandia National Laboratories and was held on October 7–10, 2012 in San Jose, CA, USA. The first IMR was held in 1992, and the conference series has been held annually since. Each year the IMR brings together researchers, developers, and application experts in a variety of disciplines, from all over the world, to present and discuss ideas on mesh generation and related topics. The technical papers in this volume present theoretical and novel ideas and algorithms with practical potential, as well as technical applications in science and engineering, geometric modeling.[...]

More on www.springer.com/978-3-642-33572-3

Advances in Future Computer and Control Systems

Volume 1


More on www.springer.com/978-3-642-29389-4

Advances in Technology and Management

Proceedings of the 2012 International Conference on Technology and Management (ICTAM 2012), International Convention Center Jeju, Jeju-Island, Korea

This book Advances in Technology and Management contains 116 full length papers presented at the International Conference on Technology and Management, held on June 12-13, 2012, Jeju-Island, Korea. The goal of ICTAM 2012 is to bring together researchers working in many different areas of technology and management to foster international collaborations and exchange of new ideas. This volume can be divided into two sections on the basis of the classification of manuscripts considered. The first section deals with technology. The second section of this volume consists of management.

More on www.springer.com/978-3-642-29636-9

Protection of Materials and Structures From the Space Environment

The goals of the 10th International Space Conference on "Protection of Materials and Structures from Space Environment" ICPMSE-10J, since its inception...
in 1992, have been to facilitate exchanges between members of the various engineering and science disciplines involved in the development of space materials, including aspects of LEO, GEO and Deep Space environments, ground-based qualification, and in-flight experiments and lessons learned from operational vehicles that are closely interrelated to disciplines of the atmospheric sciences, solar-terrestrial interactions and space life sciences. The knowledge of environmental conditions on and around the Moon, Mars, Venus and the low Earth[...]

More on www.springer.com/978-3-642-30228-2

Hardcover
2013. XVIII, 617 p. 458 illus., 2 in color. (Astrophysics and Space Science Proceedings, Vol. 32)  
► 299,00 €  
ISBN 978-3-642-30228-2  
Usually dispatched within 3 to 5 business days.

J. Kontis, The University of Manchester, UK (Ed.)

28th International Symposium on Shock Waves  
Vol 1


More on www.springer.com/978-3-642-29147-0

Softcover
► 249,00 €  
ISBN 978-3-642-29147-0  
Usually dispatched within 3 to 5 business days.

K. Kontis, The University of Manchester, UK (Ed.)

28th International Symposium on Shock Waves  
Vol 2


More on www.springer.com/978-3-642-25687-5

Hardcover
2012. LXXXIII, 824 p.  
► 299,00 €  
ISBN 978-3-642-25687-5  
Usually dispatched within 3 to 5 business days.

K. Kontis, The University of Manchester, UK (Ed.)

28th International Symposium on Shock Waves  
Vol 3


More on www.springer.com/978-3-642-25684-4

Hardcover
► 299,00 €  
ISBN 978-3-642-25684-4  
Usually dispatched within 3 to 5 business days.

J. Luo, National Kinmen Institute of Technology, Taiwan (Ed.)

Soft Computing in Information Communication Technology  
Volume 1

This is a collection of the accepted papers concerning soft computing in information communication technology. All accepted papers are subjected to strict peer-reviewing by 2 expert referees. The resultant dissemination of the latest research results, and the exchanges of views concerning the future research directions to be taken in this field makes the work of immense value to all those having an interest in the topics covered. The present book represents a cooperative effort to seek out the best strategies for effecting improvements in the quality and the reliability of Neural Networks, Swarm Intelligence, Evolutionary Computing, Image Processing Internet Security, Data Security[...]

More on www.springer.com/978-3-642-29147-0

Softcover
► 249,00 €  
ISBN 978-3-642-29147-0  
Usually dispatched within 3 to 5 business days.

K. Kontis, The University of Manchester, UK (Ed.)

The Philosopher’s Stone for Sustainability  
Proceedings of the 4th CIRP International Conference on Industrial Product-Service Systems, Tokyo, Japan, November 8th - 9th, 2012

Industrial Product-Service Systems (IPSS), which is defined as “an integrated industrial product and service offering that delivers value in use,” has expanded rapidly over the last decade. IPSS has allowed us to achieve both high added value and high productivity and has enriched our QOL by improving the performance of products and services. We are now struggling with many awkward issues related to sustainability, but IPSS is expected to be the “philosopher’s stone” for solving these issues.Following the pattern of conferences held in Cranfield in 2009, Linköping in 2010, and Braunschweig in 2011, the fourth International CIRP Conference on Industrial Product-Service Systems, held on[...]

More on www.springer.com/978-3-642-32846-6

Hardcover
2013. XII, 534 p. 411 illus.  
► 299,00 €  
ISBN 978-3-642-32846-6  
Usually dispatched within 3 to 5 business days.

J. Stjepandić, Prostep AG, Darmstadt, Germany; G. Rock, University of Applied Science Trier, Germany; C. Bil, RMIT University, Bundoora, VIC, Australia (Eds.)

Concurrent Engineering Approaches for Sustainable Product Development in a Multi-Disciplinary Environment  
Proceedings of the 19th ISPE International Conference on Concurrent Engineering

The CE Conference series is organized annually by the International Society for Productivity Enhancement (ISPE) and constitutes an important forum for international scientific exchange on concurrent and collaborative enterprise engineering. These international conferences attract a significant number of researchers, industrialists and students, as well as government representatives, who are interested in the recent advances in concurrent engineering research and applications.Concurrent Engineering Approaches for Sustainable Product Development in a Multi-Disciplinary Environment: Proceedings of the 19th ISPE International Conference on Concurrent Engineering contains papers accepted,[...]

More on www.springer.com/978-1-4471-4425-0

Hardcover
2013. XLI, 1760 p.  
► 349,00 €  
ISBN 978-1-4471-4425-0  
Usually dispatched within 3 to 5 business days.

F. Viadero, University of Cantabria, Santander, Spain; M. Cecarelli, University of Cassino, Italy (Eds.)

New Trends in Mechanism and Machine Science  
Theory and Applications in Engineering

This book contains the papers of the European Conference on Mechanism Science (EUCOMES 2012 Conference). The book presents the most recent research developments in the mechanism and machine science field and their applications. Topics addressed are theoretical kinematics, computational kinematics, mechanism design, experimental mechanics, mechanisms of robots, dynamics of machinery, dynamics of multi-body systems, control issues of mechanical systems, mechanisms for biomechanics, novel designs, mechanical transmissions, linkages and manipulators, micro-mechanisms, teaching methods, history of mechanism science and industrial and non-industrial applications.This volume will also serve[...]

More on www.springer.com/978-94-007-4901-6

Hardcover
2013. XIV, 809 p. 451 illus., 203 in color. (Mechanisms and Machine Science, Vol. 7)  
► 299,00 €
The Llobregat
The Story of a Polluted Mediterranean River

The Llobregat belongs to the most thoroughly studied rivers in Europe and is a paradigm of the confluence of human and natural disturbances in a single basin. Because of its location in a very densely populated region and its Mediterranean character, the Llobregat supports a mixture of irregular flow, water abstraction, excess nutrients, mining debris, and a wide array of pollutants. The aquatic organisms strive to survive in a dramatically changing river that passes through a succession of dams, weirs and channels. The long-term river monitoring as well as the research that has been carried out in the river for a long time have provided an extensive knowledge of these disturbances. [...] More on www.springer.com/978-3-642-30938-0

Tracking Environmental Change Using Lake Sediments

Volume package: Tracking Environmental Change Using Lake Sediments. Volumes 1-5

More on www.springer.com/978-94-007-4453-0

Online orders shipping within 2-3 days.

Emerging Organic Contaminants and Human Health

This volume provides an overview of the occurrence and fate of emerging contaminants, discusses advanced chemical analysis methods, toxicological and ecotoxicological effects as well as human exposure. One focus is on pharmaceuticals, in particular antibiotics, and the problems associated with their increased use in hospitals. Other covered emerging contaminants occurring e.g. in food, water, air or soil include brominated flame retardants, polar pesticides, phthalates, phosphate esters, perfluorinated compounds, personal care products, musk fragrances, disinfection byproducts, illicit drugs, and nanomaterials. The chapters written by experts are a valuable source of information for a [...] More on www.springer.com/978-3-642-28131-0

Hardcover
2012. XIV, 466 p. 44 illus., 24 in color. (The Handbook of Environmental Chemistry, Vol. 20)
► 249,00 €
ISBN 978-3-642-28131-0
Usually dispatched within 3 to 5 business days.

Environmental Chemistry

D. Barceló, IDAEA-CSIC, Barcelona, Spain; A. Ginebreda, IDAEA-CSIC, Barcelona, Spain; D. Barceló, IDAEA-CSIC, Barcelona, Spain (Eds.)

2012. XIV, 466 p. 44 illus., 24 in color. (The Handbook of Environmental Chemistry, Vol. 20)

More on www.springer.com/978-3-642-28131-0

Online orders shipping within 2-3 days.

The Llobregat
The Story of a Polluted Mediterranean River

The Llobregat belongs to the most thoroughly studied rivers in Europe and is a paradigm of the confluence of human and natural disturbances in a single basin. Because of its location in a very densely populated region and its Mediterranean character, the Llobregat supports a mixture of irregular flow, water abstraction, excess nutrients, mining debris, and a wide array of pollutants. The aquatic organisms strive to survive in a dramatically changing river that passes through a succession of dams, weirs and channels. The long-term river monitoring as well as the research that has been carried out in the river for a long time have provided an extensive knowledge of these disturbances. [...] More on www.springer.com/978-3-642-30938-0

Hardcover
► 299,00 €
ISBN 978-3-642-27333-9
Usually dispatched within 3 to 5 business days.

Emerging Organic Contaminants and Human Health

This volume provides an overview of the occurrence and fate of emerging contaminants, discusses advanced chemical analysis methods, toxicological and ecotoxicological effects as well as human exposure. One focus is on pharmaceuticals, in particular antibiotics, and the problems associated with their increased use in hospitals. Other covered emerging contaminants occurring e.g. in food, water, air or soil include brominated flame retardants, polar pesticides, phthalates, phosphate esters, perfluorinated compounds, personal care products, musk fragrances, disinfection byproducts, illicit drugs, and nanomaterials. The chapters written by experts are a valuable source of information for a [...] More on www.springer.com/978-3-642-28131-0

Hardcover
2012. XIV, 466 p. 44 illus., 24 in color. (The Handbook of Environmental Chemistry, Vol. 20)
► 249,00 €
ISBN 978-3-642-28131-0
Usually dispatched within 3 to 5 business days.

Environmental Chemistry

D. Barceló, IDAEA-CSIC, Barcelona, Spain; A. Ginebreda, IDAEA-CSIC, Barcelona, Spain; D. Barceló, IDAEA-CSIC, Barcelona, Spain (Eds.)

2012. XIV, 466 p. 44 illus., 24 in color. (The Handbook of Environmental Chemistry, Vol. 20)

More on www.springer.com/978-3-642-28131-0

Online orders shipping within 2-3 days.

The Llobregat
The Story of a Polluted Mediterranean River

The Llobregat belongs to the most thoroughly studied rivers in Europe and is a paradigm of the confluence of human and natural disturbances in a single basin. Because of its location in a very densely populated region and its Mediterranean character, the Llobregat supports a mixture of irregular flow, water abstraction, excess nutrients, mining debris, and a wide array of pollutants. The aquatic organisms strive to survive in a dramatically changing river that passes through a succession of dams, weirs and channels. The long-term river monitoring as well as the research that has been carried out in the river for a long time have provided an extensive knowledge of these disturbances. [...] More on www.springer.com/978-3-642-30938-0

Hardcover
► 299,00 €
ISBN 978-3-642-27333-9
Usually dispatched within 3 to 5 business days.

Emerging Organic Contaminants and Human Health

This volume provides an overview of the occurrence and fate of emerging contaminants, discusses advanced chemical analysis methods, toxicological and ecotoxicological effects as well as human exposure. One focus is on pharmaceuticals, in particular antibiotics, and the problems associated with their increased use in hospitals. Other covered emerging contaminants occurring e.g. in food, water, air or soil include brominated flame retardants, polar pesticides, phthalates, phosphate esters, perfluorinated compounds, personal care products, musk fragrances, disinfection byproducts, illicit drugs, and nanomaterials. The chapters written by experts are a valuable source of information for a [...] More on www.springer.com/978-3-642-28131-0

Hardcover
2012. XIV, 466 p. 44 illus., 24 in color. (The Handbook of Environmental Chemistry, Vol. 20)
► 249,00 €
ISBN 978-3-642-28131-0
Usually dispatched within 3 to 5 business days.
Geography

Springer Handbook of Geographic Information

Computer science provides a powerful tool that was virtually unknown three generations ago. Some of the classical fields of knowledge are geodesy (surveying), cartography, and geography. Electronic maps revolutionized geodetic methods. Cartography has faced the dominance of the computer that results in simplified cartographic products. All three fields make use of basic components such as the Internet and databases. The Springer Handbook of Geographic Information is organized in three parts, Basics, Geographic Information and Applications. Some parts of the basics belong to the larger field of computer science. However, the reader gets a comprehensive view on geographic[...]

More on www.springer.com/978-3-540-72678-4

Hardcover
2012. XXX, 1100 p. 600 illus. in color.
► 249,00 €
ISBN 978-3-540-72678-4
Online orders shipping within 2-3 days.

Life Sciences

München, Freising, Germany; K.-i. Suzuki, National Institute of Technology and Evaluation, Chiba, Japan (Eds.)

Bergey's Manual of Systematic Bacteriology
Volume 5: The Actinobacteria

Includes a revised taxonomic outline for the Actinobacteria or the high G+C Gram positives is based upon the SILVA project as well as a description of greater than 200 genera in 49 families. Includes many medically and industrially important taxa.


Hardcover
2012. 1750 p. 297 illus.
► 249,00 €
Online orders shipping within 2-3 days.

Linguistics

E.L. Keenan, UCLA, Los Angeles, CA, USA; D. Paperno, UCLA, Los Angeles, CA, USA (Eds.)

Handbook of Quantifiers in Natural Language

Covering a strikingly diverse range of languages from 12 linguistic families, this handbook is based on responses to a questionnaire constructed by the editors. Focusing on the formation, distribution and semantic interpretation of quantificational expressions, the book explores 17 languages including German, Italian, Russian, Mandarin Chinese, Malagasy, Hebrew, Pima, Basque, and more. The language data sets enable detailed crosslinguistic comparison of numerous features. These include semantic classes of quantifiers (generalized existential, generalized universal, proportional, partitive), syntactically complex quantifiers (intensive modification, Boolean compounding, exception[...]

More on www.springer.com/978-94-007-2680-2

Hardcover
2012. XII, 970 p. 10 illus. (Studies in Linguistics and Philosophy, Vol. 90)
► 399,00 €
Usually dispatched within 3 to 5 business days.

Materials Science

B. Bhushan, Ohio State University, Columbus, OH, USA (Ed.)

Encyclopedia of Nanotechnology

The Encyclopedia of Nanotechnology provides a comprehensive and multi-disciplinary reference to the many fields relevant to the general field of nanotechnology. It aims to be a comprehensive and genuinely international reference work and will be aimed at graduate students, researchers, and practitioners. The Encyclopedia of Nanotechnology introduces a large number of terms, devices and processes which are related to the multi-disciplinary field of Nanotechnology. For each entry in this 4 volume set a 4-10 page description is provided by an expert in the field. Contributions are made by experts from the US, Europe and Asia, making this a comprehensive and truly international Reference[...]


Hardcover
► 1.200,00 €
Usually dispatched within 3 to 5 business days.

7th RILEM International Conference on Cracking in Pavements
Mechanisms, Modeling, Testing, Detection and Prevention Case Histories

In the recent past, new materials, laboratory and in-situ testing methods and construction techniques have been introduced. In addition, modern computational techniques such as the finite element method enable the utilization of sophisticated constitutive models for realistic model-based predictions of the response of pavements. The 7th RILEM International Conference on Cracking of Pavements provided an international forum for the exchange of ideas, information and knowledge amongst experts involved in computational analysis, material production, experimental characterization, design and construction of pavements. All submitted contributions were subjected to an exhaustive refereed[...]

More on www.springer.com/978-94-007-4565-0
c. kumar, Center for Advanced Microstructures and Devices, Baton Rouge, LA, USA (Ed.)

Raman Spectroscopy for Nanomaterials Characterization
First volume of a 40-volume series on nanoscience and nanotechnology, edited by the renowned scientist Challa S.R. Kumar. This handbook gives a comprehensive overview about Raman spectroscopy for the characterization of nanomaterials. Modern applications and state-of-the-art techniques are covered and make this volume essential reading for research scientists in academia and industry.

More on www.springer.com/978-3-642-20619-1

Hardcover
2012. XII, 646 p. 313 illus.
▶ 249,00 €
ISBN 978-3-642-20619-1
Usually dispatched within 3 to 5 business days.

Y.-W. Bahk, Depart. of Nuc.Med and Radiology, Sung Ae General Hospital, Seoul, Korea

Combined Scintigraphic and Radiographic Diagnosis of Bone and Joint Diseases
Including Gamma Correction Interpretation
In this fourth edition of Combined Scintigraphic and Radiographic Diagnosis of Bone and Joint Diseases, the text has been thoroughly amended, updated, and partially rearranged to reflect the latest advances. In addition to discussing the role of pinhole imaging in the range of disorders previously covered, the new edition pays detailed attention to the novel diagnostic use of gamma correction pinhole bone scan in a broad spectrum of skeletal disorders. A large number of state of the art pinhole scans and corroborative CT, MRI, and/or ultrasound images are presented side by side. The book has been enlarged to encompass various new topics, including occult fractures; cervical spine and [...] More on www.springer.com/978-3-642-25143-6

Hardcover
2013. XXIII, 615 p. 800 illus.
▶ 249,00 €
ISBN 978-3-642-25143-6
Online orders shipping within 2-3 days.

A. Baur-Melnyk, Klinikum der Universität München, Germany (Ed.)

Magnetic Resonance Imaging of the Bone Marrow
On account of its unrivalled imaging capabilities and sensitivity, magnetic resonance imaging (MRI) is considered the modality of choice for the investigation of physiologic and pathologic processes affecting the bone marrow. This book describes the MRI appearances of both the normal bone marrow, including variants, and the full range of bone marrow disorders. Detailed discussion is devoted to malignancies, including multiple myeloma, lymphoma, chronic myeloproliferative disorders, leukemia, and bone metastases. Among the other conditions covered are benign and malignant compression fractures, osteonecrosis, hemolytic anemia, Gaucher’s disease, bone marrow edema syndrome, trauma, and [...] More on www.springer.com/978-3-642-17859-7

Hardcover
2012. XV, 371 p. 275 illus., 83 in color. (Diagnostic Imaging)
▶ 239,00 €
ISBN 978-3-642-17859-7
Due: December 31, 2012

J. Bogaert, University of Leuven, Belgium; S. Dymarkowski, University of Leuven, Belgium; A.M. Taylor, Great Ormond Street Hospital for Children, London, UK; V. Muthurangu, Great Ormond Street Hospital for Children, London, UK (Eds.)

Clinical Cardiac MRI
Clinical Cardiac MRI is a comprehensive textbook intended for everyone involved in magnetic resonance imaging of the heart. It is designed both as a useful guide for newcomers to the field and as an aid for those who routinely perform such studies. The first edition, published in 2004-5, was very well received within the cardiac imaging community, and has generally been considered the reference because of its completeness, its clarity, and the number and quality of the illustrations. Moreover, the addition of a CD-ROM showing 50 real-life cases significantly enhanced the value of the book. In this second edi-
tion, the aim has been to maintain the same quality while incorporating the [...]

More on www.springer.com/978-3-642-23034-9

Hardcover
2012. XII, 709 p. 535 illus., 165 in color. With online files/ update. (Diagnostic Imaging)
▶ 299,00 €
ISBN 978-3-642-23034-9
Online orders shipping within 2-3 days.

Pathologie
Mamma, Weibliches Genitale, Schwangerschaft und Kindererkrankungen

Der vorliegende Band „Mamma, Weibliches Genitale, Schwangerschaft und Kindererkrankungen“ enthält eine systematische Darstellung der pathologischen Veränderungen der genannten Organe, Organ- systeme und Erkrankungsgruppen. Dabei werden alle Erkrankungen, die sich in den verschiedenen, zum Teil miteinander funktionell verbundenen, zum Teil unabhängig voneinander existierenden Organen beobachten lassen, beschrieben. Die Verfasser der verschiedenen Unterkapitel sind renommierte europäische Pathologen aus den verschiedenen Arbeitskreisen, die sich mit den o. g. Themen diagnostisch und wissenschaftlich intensiv beschäftigen. Dabei wird insbesondere auf die modernen Entwicklungen der [...]

More on www.springer.com/978-3-642-04563-9

Hardcover
2013. XIV, 819 S. 870 Abb., 800 in Farbe. (Pathologie)
▶ 251,40 €
Prepublication price valid until February 28, 2013
ISBN 978-3-642-04563-9
Online orders shipping within 2-3 days.

Dysphagia
Diagnosis and Treatment

This book provides a comprehensive and up-to-date description of the diagnosis and management of dysphagia, with particular reference to oral and pharyngeal dysfunction. All aspects of dysphagia are covered, from anatomy and physiology to patient care. Alongside descriptions of a variety of disease entities, signs and symptoms, and treatment approaches, many other relevant topics are addressed, including endoscopic and manometric aspects, malnutrition and dehydration, the psychiatric burden, and features specific to pediatric and geriatric patients. The authors are without exception renowned experts in their field. This book will be of value to all specialists involved in the [...]

More on www.springer.com/978-3-642-17886-3

Hardcover
2012. X, 615 p. 65 illus., 15 in color. (Diagnostic Imaging)
▶ 269,00 €
ISBN 978-3-642-17886-3
Online orders shipping within 2-3 days.

Die Kopfschmerzen
Ursachen, Mechanismen, Diagnostik und Therapie in der Praxis


More on www.springer.com/978-3-642-20694-8

Hardcover
2013. XIV, 413 p. 357 illus., 78 in color. (Diagnostic Imaging)
▶ 239,00 €
ISBN 978-3-642-20694-8
Online orders shipping within 2-3 days.
Interventional Magnetic Resonance Imaging

The idea of using the enormous potential of magnetic resonance imaging (MRI) not only for diagnostic but also for interventional purposes may seem obvious, but it took major efforts by engineers, physicists, and clinicians to come up with dedicated interventional techniques and scanners, and improvements are still ongoing. Since the inception of interventional MRI in the mid-1990s, the numbers of settings, techniques, and clinical applications have increased dramatically. The more technical contributions offer an overview of the fundamental ideas and concepts and present the available instrumentation. The richly [...]

More on www.springer.com/978-3-642-20705-1

Hardcover
2012. XVIII, 489 p. 450 illus., 150 in color. (Diagnostic Imaging)
► 269,00 €
ISBN 978-3-642-20705-1

Online orders shipping within 2-3 days.

Stereotactic Body Radiation Therapy

Stereotactic body radiation therapy (SBRT) has emerged as an important innovative treatment for various primary and metastatic cancers. This book provides a comprehensive and up-to-date account of the physical/technological, biological, and clinical aspects of SBRT. It will serve as a detailed resource for this rapidly developing treatment modality. The organ sites covered include lung, liver, spine, pancreas, prostate, adrenal, head and neck, and female reproductive tract. Retrospective studies and prospective clinical trials on SBRT for various organ sites from around the world are examined, and toxicities and normal tissue constraints are discussed. This book features unique[...]

More on www.springer.com/978-3-642-25604-2

Handcover
2012. XXII, 676 p. 115 illus., 37 in color.
► 249,00 €
ISBN 978-1-4419-1650-1

Usually dispatched within 3 to 5 business days.

G. Li, Columbia University, New York, NY, USA; S.P. Baker, Johns Hopkins University, Baltimore, MD, USA (Eds.)

Injury Research

Theories, Methods, and Approaches

Injury is recognized as a major public health issue worldwide. In most countries, injury is the leading cause of death and disability for children and young adults age 1 to 39 years. Each year in the United States, injury claims about 170,000 lives and results in over 30 million emergency room visits and 2.5 million hospitalizations. Injury is medically defined as organ/tissue damages inflicted upon oneself or by an external agent either accidentally or deliberately. Injury encompasses the undesirable consequences of a wide array of events, such as motor vehicle crashes, poisoning, burns, falls, and drowning, medical error, adverse effects of drugs, suicide and homicide. The past two[...]


Hardcover
2012. XXVII, 430 p. 25 illus.
► 249,00 €
ISBN 978-3-642-25604-2

Usually dispatched within 3 to 5 business days.

Th. Kahn, Leipzig University Hospital, Germany; H. Busse, Leipzig University Hospital, Germany (Eds.)

Handbook of Pain and Palliative Care

Biobehavioral Approaches for the Life Course

Pain has long been regarded as an unpleasant sensory consequence of neuronal activity in specific nociceptive pathways that is triggered by noxious stimuli, inflammation, or damage to the nervous system structure or function. However, classic models of disease and pain mechanisms do not adequately explain the commonly observed discrepancies between the extent of pathology levels of reported pain, the impact of experience of illness, disability, or in certain instances death, on the lived experience of pain. In other words, pain is not only a sensory event but a biobehavioral event as well. As such, it is subjective and therefore a significant cause of psychological suffering and even[...]

More on www.springer.com/978-1-4419-1650-1

Hardcover
2012. XXVI, 865 p. 58 illus., 32 in color.
► 399,00 €
ISBN 978-1-4419-1650-1

Usually dispatched within 3 to 5 business days.

S.S. Lo, Case Western Reserve University, Cleveland, OH, USA; B.S. Teh, The Methodist Hospital, Houston, TX, USA; J.J. Lu, National University of Singapore; T.E. Schechter, University of Colorado, Aurora, CO, USA (Eds.)
PET-CT and PET-MRI in Oncology
A Practical Guide

Over the past decade, PET-CT has achieved great success owing to its ability to simultaneously image structure and function, and show how the two are related. More recently, PET-MRI has also been developed, and it represents an exciting novel option that promises to have applications in oncology as well as neurology. The first part of this book discusses the basics of these dual-modality techniques, including the scanners themselves, radiotracers, scan performance, quantitation, and scan interpretation. As a result, the reader will learn how to perform the techniques to maximum benefit. The second part of the book then presents in detail the PET-CT and PET-MRI findings in cancers of [...] More on www.springer.com/978-3-642-01138-2

Hardcover
2012. XXVII, 435 p. 600 illus. in color. (Diagnostic Imaging)

239,00 €
ISBN 978-3-642-01138-2
Online orders shipping within 2-3 days.

Diffusion Tensor Imaging
Introduction and Atlas

Diffusion Tensor Imaging (DTI) is a variation of diffusion-weighted imaging. Particularly in the neurosciences, this technique has gained tremendous momentum in the past decade, both from a technical point of view as well as in its applications. DTI is mainly used in neurological diagnosis and psychiatric and neurologic research, e.g. in order to locate brain tumors and depict their invasivity. DTI offers a unique in-vivo insight into the three-dimensional structure of the human central nervous system. While easy interpretation and evaluation is often hampered by the complexity of both the technique and neuroanatomy, this atlas helps you recognize every one of the important structures [...] More on www.springer.com/978-3-642-20455-5

Hardcover
2013. VIII, 380 p. 200 illus. in color. With CD-ROM.

249,00 €
ISBN 978-3-642-20455-5
Online orders shipping within 2-3 days.
a systems and complexity perspective, highlight current research developments and their implications for health care delivery, consider [...] More on www.springer.com/978-1-4614-4997-3

Hardcover
2013. XXII, 954 p. 269 illus., 165 in color.
► 399,00 €
Due: December 31, 2012

D. Tack, Reseau Hospitalier de Medecine Sociale, Baudour, Belgium; M.K. Kaia, Harvard Medical School, Boston, MA, USA; P.A. Gevenois, Université libre de Bruxelles, Belgium (Eds.)

Radiation Dose from Multidetector CT
Computed tomography (CT) is a powerful technique providing precise and confident diagnoses. The burgeoning use of CT has resulted in an exponential increase in collective radiation dose to the population. Despite investigations supporting the use of lower radiation doses, surveys highlight the lack of proper understanding of CT parameters that affect radiation dose. Dynamic advances in CT technology also make it important to explain the latest dose-saving strategies in an easy-to-comprehend manner. This book aims to review all aspects of the radiation dose from CT and to provide simple rules and tricks for radiologists and radiographers that will assist in the appropriate use of CT [...] More on www.springer.com/978-3-642-2534-3

Hardcover
2012. XVIII, 650 p. 380 illus., 80 in color. With online files/ update. (Diagnostic Imaging)
► 269,00 €
ISBN 978-3-642-2534-3
Online orders shipping within 2-3 days.

Meteorology / Climatology
C.G. Helmis, University of Athens, Greece; P.T. Nastos, University of Athens, Greece (Eds.)

Advances in Meteorology, Climatology and Atmospheric Physics
This book essentially comprises the proceedings of the 11th International Conference of Meteorology, Climatology and Atmospheric Physics (COMECA...
Handbook of High-Energy Astrophysics Experiments

The subject of high-energy astrophysics is typically linked with satellite missions, though it was launched by a balloon looking for sources of radioactivity other than those found on Earth. The balloon experiments discovered what came to be called ‘cosmic’ radiation. The study of cosmic rays has since been a fruitful field of high-energy astrophysics, yielding the discovery of the positron and currently focused on what their highest energies might be. Other high-energy particles include neutrinos from the Sun and other sources and a variety of particles more theoretical in nature, ranging from WIMPS (Weakly Interacting Massive Particles) to magnetic monopoles. All of these types of particles have been studied in detail, including their interactions with matter and the effects they have on the universe. This new edition features numerous updates and additions. Especially 4 new chapters on Fiber Optics, Integrated Optics, Frequency Combs and Interferometry highlight the changes since the first edition. In addition, major complete updates for the chapters: Optical Materials and Their Properties, Optical Detectors, Nanooptics, and Optics far Beyond the Diffraction Limit. Features Contains over 1000 two-color illustrations. Includes over 120 comprehensive tables with properties of optical materials and light sources. Emphasizes physical concepts over extensive mathematical derivations. Chapters with summaries, detailed indexDelivers a wealth of up-to-date references. More on www.springer.com/978-3-642-19408-5

Psychology

Handbook of Research on Student Engagement

For more than two decades, the concept of student engagement has grown from simple attention in class to a construct comprised of cognitive, emotional, and behavioral components that embody and further develop motivation for learning. Similarly, the goals of student engagement have evolved from dropout prevention to improved outcomes for lifelong learning. This robust expansion has led to numerous lines of research across disciplines and are brought together clearly and comprehensively in the Handbook of Research on Student Engagement. The Handbook guides readers through the field’s rich history, sorts out its component constructs, and identifies knowledge gaps to be filled by future[...]

Handbook of Juvenile Forensic Psychology and Psychiatry

Juvenile justice centers have a long tradition as an unfortunate stop for young offenders who need mental health care. Reports estimate that as many as 70% of youth in detention centers meet criteria for mental health disorders. As juvenile justice systems once again turn their focus from confinement to rehabilitation, mental health providers have major opportunities to inform and improve both practice and policy. The Handbook of Juvenile Forensic Psychology and Psychiatry explores these opportunities by emphasizing a developmental perspective, multi-faceted assessment, and evidence-based practice in working with juvenile offenders. This comprehensive volume provides insights at[...]
capture and storage (CCS), etc. Professor Haiying Qi and Bo Zhao both work at the Tsinghua University, China.

More on www.springer.com/978-3-642-30444-6

**Hardcover**
2013. XIX, 1393 p. 1435 illus.
► 299,00 €
ISBN 978-3-642-30444-6
Due: December 31, 2012

---

**Handbook of the Sociology of Mental Health**

C.S. Aneshensel, University of California, Los Angeles, CA, USA; J.C. Phelan, Columbia University, New York, NY, USA; A. Bierman, University of Calgary, AB, Canada (Eds.)

This second edition of the Handbook of the Sociology of Mental Health features theory-driven reviews of recent research with a comprehensive approach to the investigation of the ways in which society shapes the mental health of its members and the lives of those who have been diagnosed as having a mental illness. The award-winning Handbook is distinctive in its focus on how the organization and functioning of society influences the occurrence of mental disorder and its consequences. A core issue that runs throughout the text concerns the differential distribution of mental illness across various social strata, defined by status characteristics such as gender, race/ethnicity, [...]

More on www.springer.com/978-94-007-4275-8

**Hardcover**
2013. XXI, 636 p. 29 illus. (Handbooks of Sociology and Social Research)
► 249,00 €
ISBN 978-94-007-4275-8
Usually dispatched within 3 to 5 business days.

---

**Handbook of Family Resilience**

D.S. Becvar, Saint Louis University, MO, USA (Ed.)

Resilience is a topic that is currently receiving increased attention. In general, resilience refers to the capacity of those who, even under the most stressful circumstances, are able to cope, to rebound, and to go on and thrive. Resilient families are able to regain their balance following crises that arise as a function of either nature or nurture, and to continue to encourage and support their members as they deal with the necessary requirements for accommodation, adaptation and, ultimately, healthy survival. Hand-
The central issues of these fields have roots extending but fairly distinct research communities and overlapping but fairly distinct research communities and traditions. The unique Handbook is further set apart by its dual coverage of the leading edge of current research and innovative directions for future work in the field. Pathways to crime have been a central concept of criminology from its inception. Accordingly, a lifespan approach to the field has replaced earlier biological and sociological perspectives with a more nuanced understanding of offender behavior and a wider lens of study. The[...]

More on www.springer.com/978-1-4614-5112-9

Handbook of Life-Course Criminology
Emerging Trends and Directions for Future Research

The wide-ranging scope of the Handbook of Life-Course Criminology covers genetics and environment, child offenders and late bloomers, the impact of school and peers, lifelong and time-limited criminal careers, and qualitative and quantitative methodologies. This unique Handbook is further set apart by its dual coverage of the leading edge of current research and innovative directions for future work in the field. Pathways to crime have been a central concept of criminology from its inception. Accordingly, a lifespan approach to the field has replaced earlier biological and sociological perspectives with a more nuanced understanding of offender behavior and a wider lens of study. The[...]

More on www.springer.com/978-1-4614-5112-9

Hardcover
2013. XIII, 341 p. 19 illus.
 ► 3.500,00 €
Due: April 2013

C.L. Gibson, University of Florida, Gainesville, FL, USA; M.D. Krohn, University of Florida, Gainesville, FL, USA (Eds.)

Work and Quality of Life
Ethical Practices in Organizations

Employees have personal responsibilities as well as responsibilities to their employers. They also have rights. In order to maintain their well-being, employees need opportunities to resolve conflicting obligations. Employees are often torn between the ethical obligations to fulfill both their work and non-work roles, to respect and be respected by their employers and coworkers, to be responsible to the organization while the organization is reciprocally responsible to them, to be afforded some degree of autonomy at work while attending to collaborative goals, to work within a climate of mutual employee-management trust, and to voice opinions about work policies, processes and[...]

More on www.springer.com/978-94-007-0752-8

Handbook of Tourism and Quality-of-Life Research
Enhancing the Lives of Tourists and Residents of Host Communities

Quality of life (QOL) research in tourism has gained much momentum over the last two decades. Academics working in this area research issues related to tourists and host communities. Practitioners are becoming increasingly interested in understanding the science that allows them to develop better marketing and managerial programs designed to enhance the quality of life of tourists. Tourism bureaus and government agencies are increasingly interested in issues of sustainable tourism, specifically in understanding and measuring the impact of tourism on the quality of life of the residents of the host communities. This handbook covers all relevant topics and is divided into two parts[...]

More on www.springer.com/978-94-007-2287-3

Hardcover
2012. LXII, 702 p. 133 illus. (International Handbooks of Quality-of-Life)
 ► 249,00 €
ISBN 978-94-007-2287-3
Usually dispatched within 3 to 5 business days.

N.P. Reilly, Radford University, VA, USA; M.J. Sirgy, Virginia Tech, Blacksburg, VA, USA; C.A. Gorman, Radford University, VA, USA (Eds.)

Ethical Practices in Organizations

Employees have personal responsibilities as well as responsibilities to their employers. They also have rights. In order to maintain their well-being, employees need opportunities to resolve conflicting obligations. Employees are often torn between the ethical obligations to fulfill both their work and non-work roles, to respect and be respected by their employers and coworkers, to be responsible to the organization while the organization is reciprocally responsible to them, to be afforded some degree of autonomy at work while attending to collaborative goals, to work within a climate of mutual employee-management trust, and to voice opinions about work policies, processes and[...]

More on www.springer.com/978-94-007-4058-7

Handbook of Tourism and Quality-of-Life Research
Enhancing the Lives of Tourists and Residents of Host Communities

Quality of life (QOL) research in tourism has gained much momentum over the last two decades. Academics working in this area research issues related to tourists and host communities. Practitioners are becoming increasingly interested in understanding the science that allows them to develop better marketing and managerial programs designed to enhance the quality of life of tourists. Tourism bureaus and government agencies are increasingly interested in issues of sustainable tourism, specifically in understanding and measuring the impact of tourism on the quality of life of the residents of the host communities. This handbook covers all relevant topics and is divided into two parts[...]

More on www.springer.com/978-94-007-2287-3

Hardcover
2012. LXII, 702 p. 133 illus. (International Handbooks of Quality-of-Life)
 ► 249,00 €
ISBN 978-94-007-2287-3
Usually dispatched within 3 to 5 business days.

N.P. Reilly, Radford University, VA, USA; M.J. Sirgy, Virginia Tech, Blacksburg, VA, USA; C.A. Gorman, Radford University, VA, USA (Eds.)

Handbook of Tourism and Quality-of-Life Research
Enhancing the Lives of Tourists and Residents of Host Communities

Quality of life (QOL) research in tourism has gained much momentum over the last two decades. Academics working in this area research issues related to tourists and host communities. Practitioners are becoming increasingly interested in understanding the science that allows them to develop better marketing and managerial programs designed to enhance the quality of life of tourists. Tourism bureaus and government agencies are increasingly interested in issues of sustainable tourism, specifically in understanding and measuring the impact of tourism on the quality of life of the residents of the host communities. This handbook covers all relevant topics and is divided into two parts[...]

More on www.springer.com/978-94-007-2287-3

Hardcover
2012. LXII, 702 p. 133 illus. (International Handbooks of Quality-of-Life)
 ► 249,00 €
ISBN 978-94-007-2287-3
Usually dispatched within 3 to 5 business days.

N.P. Reilly, Radford University, VA, USA; M.J. Sirgy, Virginia Tech, Blacksburg, VA, USA; C.A. Gorman, Radford University, VA, USA (Eds.)

Handbook of Tourism and Quality-of-Life Research
Enhancing the Lives of Tourists and Residents of Host Communities

Quality of life (QOL) research in tourism has gained much momentum over the last two decades. Academics working in this area research issues related to tourists and host communities. Practitioners are becoming increasingly interested in understanding the science that allows them to develop better marketing and managerial programs designed to enhance the quality of life of tourists. Tourism bureaus and government agencies are increasingly interested in issues of sustainable tourism, specifically in understanding and measuring the impact of tourism on the quality of life of the residents of the host communities. This handbook covers all relevant topics and is divided into two parts[...]

More on www.springer.com/978-94-007-2287-3

Hardcover
2012. LXII, 702 p. 133 illus. (International Handbooks of Quality-of-Life)
 ► 249,00 €
ISBN 978-94-007-2287-3
Usually dispatched within 3 to 5 business days.

N.P. Reilly, Radford University, VA, USA; M.J. Sirgy, Virginia Tech, Blacksburg, VA, USA; C.A. Gorman, Radford University, VA, USA (Eds.)
peoples from all the vast territories of the Far East, Southeast Asia and the South Asian Subcontinent. While Census classifications determine demographic measurements that affect equal opportunity programs, the broad rubric “Asian-American” can never describe accurately the more than 50[...]

More on www.springer.com/978-1-4614-2226-6

Handbook
2013. XVI, 449 p. 3 illus.
▶ 249.00 €
ISBN 978-1-4614-2226-6
Usually dispatched within 3 to 5 business days.

Statistics

J.E. Gentle, George Mason University, Fairfax, VA, USA; W.K. Härdle, Humboldt-Universität zu Berlin, Germany; Y. Mori, Okayama University of Science, Okayama, Japan (Eds.)

Handbook of Computational Statistics
Concepts and Methods
The Handbook of Computational Statistics - Concepts and Methods (second edition) is a revision of the first edition published in 2004, and contains additional comments and updated information on the existing chapters, as well as three new chapters addressing recent work in the field of computational statistics. This new edition is divided into 4 parts in the same way as the first edition. It begins with 'How Computational Statistics became the backbone of modern data science' (Ch.1): an overview of the field of Computational Statistics, how it emerged as a separate discipline, and how its own development mirrored that of hardware and software, including a discussion of current active[...]

More on www.springer.com/978-3-642-21550-6

Hardcover
2012. XII, 1192 p. 297 illus., 96 in color. (Springer Handbooks of Computational Statistics)
▶ 259.00 €
ISBN 978-3-642-21550-6
Usually dispatched within 3 to 5 business days.
Yes, please send me:

__ copies ____________________________ ISBN ____________________________ € / £ _______
__ copies ____________________________ ISBN ____________________________ € / £ _______
__ copies ____________________________ ISBN ____________________________ € / £ _______
__ copies ____________________________ ISBN ____________________________ € / £ _______
__ copies ____________________________ ISBN ____________________________ € / £ _______
__ copies ____________________________ ISBN ____________________________ € / £ _______
__ copies ____________________________ ISBN ____________________________ € / £ _______
__ copies ____________________________ ISBN ____________________________ € / £ _______
__ copies ____________________________ ISBN ____________________________ € / £ _______
__ copies ____________________________ ISBN ____________________________ € / £ _______
__ copies ____________________________ ISBN ____________________________ € / £ _______
__ copies ____________________________ ISBN ____________________________ € / £ _______
__ copies ____________________________ ISBN ____________________________ € / £ _______
__ copies ____________________________ ISBN ____________________________ € / £ _______
__ copies ____________________________ ISBN ____________________________ € / £ _______
__ copies ____________________________ ISBN ____________________________ € / £ _______
__ copies ____________________________ ISBN ____________________________ € / £ _______

Please bill me

Please charge my credit card: Eurocard/Access/Mastercard  Visa/Barclaycard/Bank/Americard  AmericanExpress

Number ____________________________ Valid until ____________________________

Please order from your bookseller:

Name ____________________________
Dept. ____________________________
Institution ____________________________
Street ____________________________
City / ZIP-Code ____________________________
Country ____________________________
Email ____________________________

Order Now! Springer Customized Catalog

All € and £ prices are net prices subject to local VAT, e.g. in Germany 7% VAT for books and 19% VAT for electronic products. Pre-publication pricing: Unless otherwise stated, pre-pub prices are valid through the end of the third month following publication, and therefore are subject to change. All prices exclusive of carriage charges. Prices and other details are subject to change without notice. All errors and omissions excepted.

Springer Customer Service Center GmbH, Haberstrasse 7, 69126 Heidelberg, Germany
Call: +49 (0) 6221-345-4301  Fax: +49 (0) 6221-345-4229
Email: orders-hd-individuals@springer.com  Web: springer.com