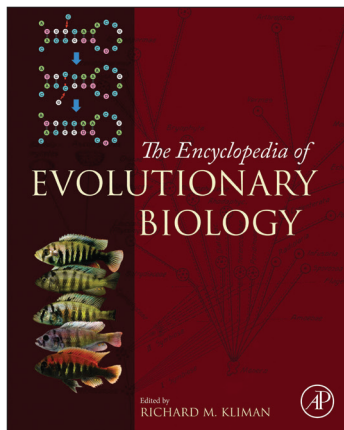
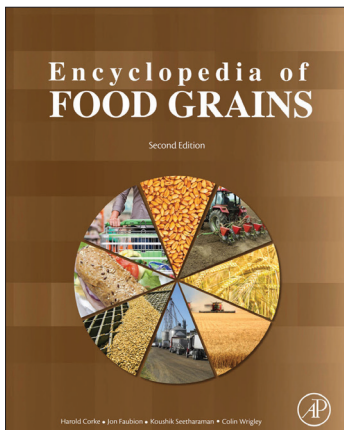
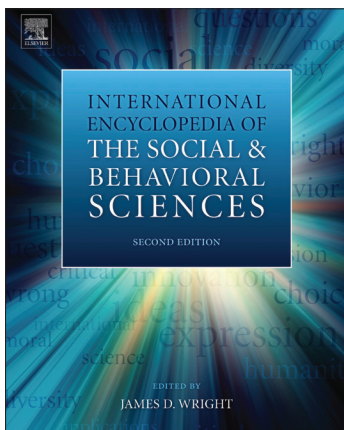




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## 2016 CATALOG



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# Table of Contents

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## Pricing

Publication dates, prices, and other details subject to change without notice.

<b>Biomedical Sciences</b> .....	2
<b>Cell Biology</b> .....	3
<b>Earth &amp; Planetary Sciences</b> .....	4
<b>Food Sciences</b> .....	5
<b>Forensics</b> .....	7
<b>Life Sciences</b> .....	8
<b>Neuroscience</b> .....	9
<b>Pharmaceutical Science</b> .....	10
<b>Psychology</b> .....	11
<b>Social Sciences</b> .....	12
<b>Forthcoming</b> .....	13
<b>Titles Index</b> .....	14
<b>Sales Representatives Index</b> .....	15
<b>Elsevier Books Customer Service Contacts</b> .....	19
<b>Imprints</b> .....	21



## Encyclopedia of Immunobiology

Edited by: *Michael J.H. Ratcliffe* Department of Immunology, University of Toronto, Canada



As the largest integrated source of immunological knowledge currently available, *Encyclopedia of Immunobiology* is a go-to reference for students and professionals alike, providing relevant topics to those working on experimental and clinical immunology, microbiology, biochemistry, genetics, veterinary science, physiology, and hematology

### KEY FEATURES

- Contains tables, pictures, and multimedia features that enhance the learning process
- In-depth coverage allows readers from a range of backgrounds to benefit from the material
- Provides handy cross-referencing between articles to improve readability, including easy access from portable devices

### DESCRIPTION

*Encyclopedia of Immunobiology* provides the largest integrated source of immunological knowledge currently available. It consists of broad ranging, validated summaries on all of the major topics in the field as written by a team of leading experts. The large number of topics covered is relevant to a wide range of scientists working on experimental and clinical immunology, microbiology, biochemistry, genetics, veterinary science, physiology, and hematology.

The book is built in thematic sections that allow readers to rapidly navigate around related content. Specific sections focus on basic, applied, and clinical immunology, with an in-depth approach to the structure of each that helps readers from a range of backgrounds gain important understanding from the material.

**ISBN:** 978-0-12-374279-7

**PUB DATE:** May 2016

**FORMAT:** Hardback

**PAGES:** c. 2940

### AUDIENCE

University, research and medical libraries. Researchers and students in experimental and clinical immunology, microbiology, biochemistry, genetics, veterinary science, physiology and haematology.

## MAJOR REFERENCE WORKS

BIOMEDICAL SCIENCES

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# Encyclopedia of Cell Biology



EDITORS-IN-CHIEF

Ralph A Bradshaw and Philip D Stahl



## Encyclopedia of Cell Biology

Edited by: *Ralph A. Bradshaw* Department of Chemistry and Pharmaceutical Chemistry; and Mass Spectrometry Facility, University of California, San Francisco, Department of Physiology and Biophysics, College of Medicine, University of California, Irvine, Irvine, CA  
*Philip D. Stahl* Washington University, St. Louis, MO, USA



**A broad overview of cell biology, offering foundational content for the biological and medical sciences in an accessible and searchable format that contains more than 300 articles, each with fully annotated figures, abundant illustrations, and links to additional reading**

**ISBN:** 978-0-12-394447-4

**PUB DATE:** October 2015

**FORMAT:** Hardback

**PAGES:** c. 2944

### AUDIENCE

Undergraduate and graduate students, researchers, scientists, and teaching faculty across the biological and medical sciences.

### KEY FEATURES

- Fully annotated color images and videos for full comprehension of concepts, with layered content for readers from different levels of experience
- Includes information on cytokinesis, cell biology, cell mechanics, cytoskeleton dynamics, stem cells, prokaryotic cell biology, RNA biology, aging, cell growth, cell injury, and more
- In-depth linking to Academic Press/Elsevier content and additional links to outside websites and resources for further reading
- A one-stop resource for students, researchers, and teaching faculty across the biological and medical sciences

### DESCRIPTION

The Encyclopedia of Cell Biology offers a broad overview of cell biology, offering reputable, foundational content for researchers and students across the biological and medical sciences. This important work includes 285 articles from domain experts covering every aspect of cell biology, with fully annotated figures, abundant illustrations, videos, and references for further reading. Each entry is built with a layered approach to the content, providing basic information for those new to the area and more detailed material for the more experienced researcher. With authored contributions by experts in the field, the Encyclopedia of Cell Biology provides a fully cross-referenced, one-stop resource for students, researchers, and teaching faculty across the biological and medical sciences.

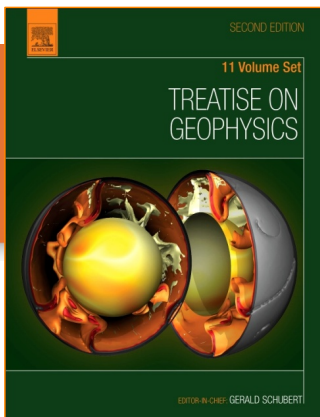
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CELL BIOLOGY

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**ISBN:** 978-0-444-53802-4

**PREVIOUS EDITION ISBN:**

978-0-444-51928-3

**PUB DATE:** May 2015

**FORMAT:** Hardback

**PAGES:** c. 5404

**AUDIENCE**

Professionals, researchers, professors, and advanced undergraduate and graduate students working in the fields of geophysics, earth system science, geology, geomagnetism, ocean science, planetary and aerospace science, environmental science, seismology, petrology, mining and construction, urban planning, plus more.

## Treatise on Geophysics, 2e

Edited by: *Gerald Schubert* Professor Emeritus, Department of Earth, Planetary, and Space Sciences, UCLA, USA



**The most comprehensive work on Solid Earth Geophysics ever published, completely revised since the first edition and featuring an important new section on Near Surface Geophysics**

"...a masterful collection of chapters by first-class authors rewarding the reader with a stroll right up to the dizzying height of current knowledge in literally hundreds of subject areas...a splendid, ambitious encyclopedia of the fundamental geophysical sciences...a welcome addition to any working library in pure or applied geophysics."--**The Leading Edge, *Treatise on Geophysics, Second Edition***

**KEY FEATURES**

- Comprehensive and detailed coverage of all aspects of geophysics
- Fundamental and state-of-the-art discussions of all research topics
- Integration of topics into a coherent whole

**DESCRIPTION**

*Treatise on Geophysics, Second Edition*, is a comprehensive and in-depth study of the physics of the Earth beyond what any geophysics text has provided previously. Thoroughly revised and updated, it provides fundamental and state-of-the-art discussion of all aspects of geophysics. A highlight of the second edition is a new volume on Near Surface Geophysics that discusses the role of geophysics in the exploitation and conservation of natural resources and the assessment of degradation of natural systems by pollution. Additional features include new material in the Planets and Moon, Mantle Dynamics, Core Dynamics, Crustal and Lithosphere Dynamics, Evolution of the Earth, and Geodesy volumes. New material is also presented on the uses of Earth gravity measurements. This title is essential for professionals, researchers, professors, and advanced undergraduate and graduate students in the fields of Geophysics and Earth system science.

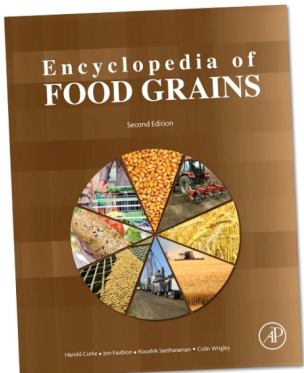
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## 4 VOLUME SET

**ISBN:** 978-0-12-394437-5

**PREVIOUS EDITION ISBN:**  
978-0-12-765490-4

**PUB DATE:** January 2016

**FORMAT:** Hardback

**PAGES:** c. 1856

### AUDIENCE

Students, researchers and professionals who are seeking an authoritative source of information about any particular aspect of grain science, food and nutritional science faculties; public and private agricultural, food and nutrition research institutes; and major commercial firms engaged in trading, breeding or processing cereal commodities especially those involved in food processing.

## Encyclopedia of Food Grains, 2e

Edited by: **Colin W Wrigley** Honorary Research Fellow, Food Science Australia, Sydney, Australia

**Harold Corke** School of Biological Sciences, University of Hong Kong, Hong Kong  
**Koushik Seetharaman** †

**Jonathan Faubion** Charles Singleton Professor of Baking Science, Department of Grain Science, Kansas State University, Manhattan, KS, USA



**With the paramount role of cereals as a global food source, this Encyclopedia is sure to become the standard reference work in the field of grain science for the next decade**

### KEY FEATURES

- Written from an international perspective the Encyclopedia concentrates on the food uses of grains, but details are also provided about the wider roles of grains
- Well organized and accessible, it is the ideal resource for students, researchers and professionals seeking an authoritative overview on any particular aspect of grain science
- This second edition has four print volumes which provides over 200 articles on food grains
- Includes extensive cross-referencing and "Further Reading" lists at the end of each article for deeper exploration into the topic
- This edition also includes useful items for students and teachers alike with topic highlights, learning objectives, exercises for revision and exercises to explore the topic further

### DESCRIPTION

The *Encyclopedia of Food Grains* is an in-depth and authoritative reference covering all areas of grain science. Coverage includes everything from the genetics of grains to the commercial, economic and social aspects of this important food source. Also covered are the biology and chemistry of grains, the applied aspects of grain production and the processing of grains into various food and beverage products. With the paramount role of cereals as a global food source, this Encyclopedia is sure to become the standard reference work in the field of science.

Also available online via ScienceDirect – featuring extensive browsing, searching, and internal cross-referencing between articles in the work, plus dynamic linking to journal articles and abstract databases, making navigation flexible and easy. For more information, pricing options and availability visit [www.info.sciencedirect.com](http://www.info.sciencedirect.com).

**MAJOR REFERENCE WORKS**  
**FOOD SCIENCES**

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ENCYCLOPEDIA OF  
**FOOD AND  
HEALTH**

EDITED BY Benjamin Caballero,  
Paul M. Finglas and Fidel Toldrá

FIVE VOLUME SET



**ISBN:** 978-0-12-384947-2

**PUB DATE:** September 2015

**FORMAT:** Hardback

**PAGES:** c. 3876

**AUDIENCE**

Food scientists and technologists, nutritionists, dieticians, food manufacturers, public health researchers, and government agencies.

## Encyclopedia of Food and Health

Edited by: **Benjamin Caballero**, Johns Hopkins Bloomberg School of Public Health, USA

**Paul Finglas**, Institute of Food Research, UK

**Fidel Toldrá**, Instituto de Agroquímica y Tecnología de Alimentos (CSIC), Spain



**Looks at the availability, digestion, absorption, and metabolism of key food constituents and explores how they can prevent disease and improve global health**

**KEY FEATURES**

- Identifies the essential nutrients and how to avoid their deficiencies
- Explores the use of diet to reduce disease risk and optimize health
- Compiles methods for detection and quantitation of food constituents, food additives and nutrients, and contaminants
- Contains coverage of all areas of food science and health in nearly 700 articles, with extensive cross-referencing and further reading at the end of each chapter

**DESCRIPTION**

*The Encyclopedia of Food and Health* provides users with a solid bridge of current and accurate information spanning food production and processing, from distribution and consumption to health effects. The Encyclopedia comprises five volumes, each containing comprehensive, thorough coverage, and a writing style that is succinct and straightforward. Users will find this to be a meticulously organized resource of the best available summary and conclusions on each topic. Written from a truly international perspective, and covering of all areas of food science and health in over 550 articles, with extensive cross-referencing and further reading at the end of each chapter, this updated encyclopedia is an invaluable resource for both research and educational needs.

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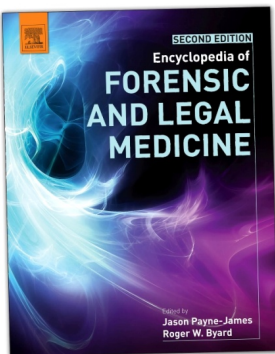
FOOD SCIENCES

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## 4 VOLUME SET

**ISBN:** 978-0-12-800034-2

**PREVIOUS EDITION ISBN:**  
978-0-12-547970-7

**PUB DATE:** November 2015

**FORMAT:** Hardback

**PAGES:** c. 2969

### AUDIENCE

Medical examiners; coroners; the police; prison medical officers; those involved in refugee medicine and allegations of torture; healthcare professionals also involved in this field: prison nurses, sexual assault nurse examiners and custody nurses.

## Encyclopedia of Forensic and Legal Medicine, 2e

Edited by: **Roger Byard** University of Adelaide, Australia  
**Jason Payne-James** Director - Forensic Healthcare Services Ltd; Forensic Medical Examiner - Metropolitan Police Service, City of London Police; Consultant - National Crime Faculty & National Injuries Database



**This book provides a broad overview of forensic and legal medicine, offering reputable, foundational content for researchers and students across the field of forensic and legal medicine that includes cross-referencing to related articles and case studies where further explanation is required.**

### KEY FEATURES

- Brings together all appropriate aspects of forensic medicine and legal medicine
- Contains color figures, sample forms, and other materials that the reader can adapt for their own practice
- Also available in an on-line version which provides numerous additional reference and research tools, additional multimedia, and powerful search functions
- Each topic includes cross-referencing to related articles and case studies where further explanation is required, along with references to external sources for further reading

### DESCRIPTION

*Encyclopedia of Forensic and Legal Medicine, Volumes 1-4, Second Edition* is a pioneering four volume encyclopedia compiled by an international team of forensic specialists who explore the relationship between law, medicine, and science in the study of forensics.

This important work includes over three hundred state-of-the-art chapters, with articles covering crime-solving techniques such as autopsies, ballistics, fingerprinting, hair and fiber analysis, and the sophisticated procedures associated with terrorism investigations, forensic chemistry, DNA, and immunoassays.

Available online, and in four printed volumes, the encyclopedia is an essential reference for any practitioner in a forensic, medical, healthcare, legal, judicial, or investigative field looking for easily accessible and authoritative overviews on a wide range of topics.

Chapters have been arranged in alphabetical order, and are written in a clear-and-concise manner, with definitions provided in the case of obscure terms and information supplemented with pictures, tables, and diagrams. Each topic includes cross-referencing to related articles and case studies where further explanation is required, along with references to external sources for further reading.

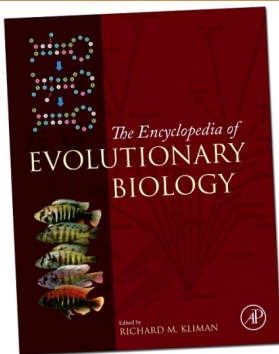
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### FORENSICS

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## 4 VOLUME SET

**ISBN:** 978-0-12-800049-6

**PUB DATE:** May 2016

**FORMAT:** Hardback

**PAGES:** c. 2016

### AUDIENCE

*Encyclopedia of Evolutionary Biology* is directed to university, research and medical libraries as well as governmental agencies and corporations. The target audience is broad, ranging from undergraduate and graduate students to professors and professionals.

## Encyclopedia of Evolutionary Biology

Edited by: *Richard M Kliman* Cedar Crest College, Allentown, PA, USA



As an authoritative work covering the whole field of evolutionary biology, this book provides a fully comprehensive review of the field in an easy to search structure that is an ideal reference for students and professionals alike

### KEY FEATURES

- Presents fully comprehensive content, allowing easy access to fundamental information and links to primary research
- Contains concise articles by leading experts in the field that ensures current coverage of each topic
- Provides ancillary learning tools like tables, illustrations, and multimedia features to assist with the comprehension process

### DESCRIPTION

*Encyclopedia of Evolutionary Biology* is the definitive go-to reference in the field of evolutionary biology. It provides a fully comprehensive review of the field in an easy to search structure. Under the collective leadership of fifteen distinguished section editors, it is comprised of articles written by leading experts in the field, providing a full review of the current status of each topic.

The articles are up-to-date and fully illustrated with in-text references that allow readers to easily access primary literature. While all entries are authoritative and valuable to those with advanced understanding of evolutionary biology, they are also intended to be accessible to both advanced undergraduate and graduate students.

Broad topics include the history of evolutionary biology, population genetics, quantitative genetics; speciation, life history evolution, evolution of sex and mating systems, evolutionary biogeography, evolutionary developmental biology, molecular and genome evolution, coevolution, phylogenetic methods, microbial evolution, diversification of plants and fungi, diversification of animals, and applied evolution.

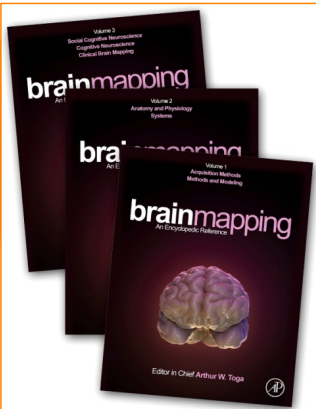
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**ISBN:** 978-0-12-397025-1

**PUB DATE:** April 2015

**FORMAT:** Hardback

**PAGES:** c. 2468

**AUDIENCE**

students and experienced researchers

## Brain Mapping

### *An Encyclopedic Reference*

Edited by: **Arthur W. Toga** Professor of Neurology Laboratory of Neuro Imaging, University of Southern California California, USA



**A broad overview of neuroimaging offering reputable, foundational content for researchers and students across the biological and medical sciences**

"... a welcome addition to the neuroscientific literature. Every neuroscientist will want access to this essential resource. Score: 91 - 4 Stars"--**Doody's, Brain Mapping**

#### KEY FEATURES

- Broad overview of neuroimaging concepts with applications across the neurosciences and biomedical research
- Fully annotated color images and videos for best comprehension of concepts
- Layered content for readers of different levels of expertise
- Easily searchable entries for quick access of reputable information
- Live reference links to ScienceDirect, Scopus and PubMed

#### DESCRIPTION

*Brain Mapping: A Comprehensive Reference* offers foundational information for students and researchers across neuroscience. With over 300 articles and a media rich environment, this resource provides exhaustive coverage of the methods and systems involved in brain mapping, fully links the data to disease (presenting side by side maps of healthy and diseased brains for direct comparisons), and offers data sets and fully annotated color images. Each entry is built on a layered approach of the content – basic information for those new to the area and more detailed material for experienced readers. Edited and authored by the leading experts in the field, this work offers the most reputable, easily searchable content with cross referencing across articles, a one-stop reference for students, researchers and teaching faculty.

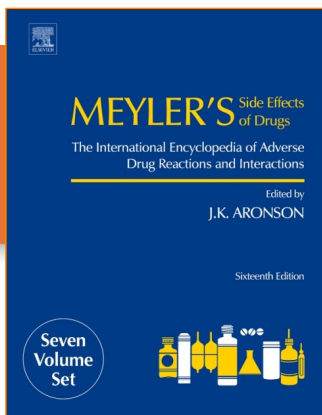
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## Meyler's Side Effects of Drugs

### *The International Encyclopedia of Adverse Drug Reactions and Interactions*

Edited by: **Jeffrey K. Aronson** Department of Primary Health Care, University of Oxford, Oxford, UK



**This updated edition in the long standing series provides the latest information on more than 1,500 individual drugs, including the most complete coverage of their adverse reactions and interactions.**

A Volume in the Meyler's Side Effects of Drugs Series.

"The reality of drug induced disease has certainly come to light with much effort and attention being placed on drug safety. With this encyclopedia, the practitioner is able to ascertain whether a patient's condition is iatrogenic/drug induced or idiopathic or, better yet, able to identify patients at risk for iatrogenic drug injury and develop strategies to prevent these events...As a pharmacy instructor and consultant in the area of drug induced disease, I am extremely impressed with the content and layout of this encyclopedia. It is one of the most complete yet user friendly publications on these disease states. It would be a worthwhile addition to medical, pharmacy, and other allied health school libraries."

- Patrick J. McDonnell, PharmD, Temple University School of Pharmacy, for DOODY'S (4 Stars!)

#### KEY FEATURES

- Enhanced encyclopedic format with drug monographs now organized alphabetically
- Completely expanded coverage of each drug, with more than 1,500 drug articles and information on adverse reactions and interactions
- Clearer, systematic organization of information for easier reading, including case histories to provide perspective on each listing
- Extensive bibliography with over 40,000 references
- A must-have reference work for any academic or medical library, pharmacologist, regulatory organization, hospital dispensary, or pharmaceutical company

#### DESCRIPTION

*Meyler's Side Effects of Drugs: The International Encyclopedia of Adverse Drug Reactions and Interactions, Sixteenth Edition* builds on the success of the 15 previous editions, providing an extensively reorganized and expanded resource that now comprises more than 1,500 individual drug articles with the most complete coverage of adverse reactions and interactions found anywhere. Each article contains detailed and authoritative information about the adverse effects of each drug, with comprehensive references to the primary literature, making this a must-have reference work for any academic or medical library, pharmacologist, regulatory organization, hospital dispensary, or pharmaceutical company.

The online version of the book provides an unparalleled depth of coverage and functionality by offering convenient desktop access and enhanced features such as increased searchability, extensive internal cross-linking, and fully downloadable and printable full-text, HTML or PDF articles.

ISBN: 978-0-444-53717-1

PREVIOUS EDITION ISBN:

978-0-444-50998-7

PUB DATE: October 2015

FORMAT: Hardback

PAGES: c. 7602

#### AUDIENCE

Academic and medical libraries, clinical pharmacologists, pharmacists in the pharmaceutical industry, regulatory organizations, and hospital dispensaries

MAJOR REFERENCE WORKS  
PHARMACEUTICAL SCIENCE

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# Encyclopedia of Mental Health

SECOND EDITION



Editor in Chief  
Professor Howard S. Friedman



## Encyclopedia of Mental Health, 2e

Edited by: *Howard S. Friedman* University of California, Riverside, CA, USA



**The fully-updated second edition of this award winning book on mental health presents a comprehensive overview of the many genetic, neurological, social, and psychological factors that affect mental health, also describing the impact of mental health on the individual and society and illustrating the factors that aid positive mental health**

**ISBN:** 978-0-12-397045-9

**PREVIOUS EDITION ISBN:**  
978-0-12-226675-1

**PUB DATE:** October 2015

**FORMAT:** Hardback

**PAGES:** c. 1800

### AUDIENCE

Libraries, especially those specializing in mental health and social sciences; hospitals; psychology laboratories.

### KEY FEATURES

- Provides fully up-to-date descriptions of the neurological, social, genetic, and psychological factors that affect the individual and society
- Contains more than 240 articles written by domain experts in the field
- Written in an accessible style using terms that an educated layperson can understand
- Of interest to public as well as research libraries with coverage of many important topics, including marital health, divorce, couples therapy, fathers, child custody, day care and day care providers, extended families, and family therapy

### DESCRIPTION

*Encyclopedia of Mental Health, Second Edition*, tackles the subject of mental health, arguably one of the biggest issues facing modern society. The book presents a comprehensive overview of the many genetic, neurological, social, and psychological factors that affect mental health, also describing the impact of mental health on the individual and society, and illustrating the factors that aid positive mental health.

The book contains 245 peer-reviewed articles written by more than 250 expert authors and provides essential material on assessment, theories of personality, specific disorders, therapies, forensic issues, ethics, and cross-cultural and sociological aspects. Both professionals and libraries will find this timely work indispensable.

## MAJOR REFERENCE WORKS

PSYCHOLOGY

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## International Encyclopedia of the Social & Behavioral Sciences, 2e

Edited by: **James D. Wright** Provost's Distinguished Research Professor, Department of Sociology, University of Central Florida, Orlando, FL, USA



"...represents a grand...gesture of accomplishment, fulfilling the encyclopedic 20th-century ideal of an all-encompassing corpus of work. *Summing Up: Recommended.*"--CHOICE, *International Encyclopedia of the Social & Behavioral Sciences, Second Edition*

**ISBN:** 978-0-08-097086-8

**PREVIOUS EDITION ISBN:**  
9780080430768

**PUB DATE:** April 2015

**FORMAT:** Hardback

**PAGES:** c. 23155

### AUDIENCE

University and research libraries worldwide, especially those with collections in the social sciences.

### KEY FEATURES

- Provides authoritative, foundational, interdisciplinary knowledge across the wide range of behavioral and social sciences fields
- Discusses history, current trends and future directions
- Topics are cross-referenced with related topics and each article highlights further reading

### DESCRIPTION

Fully revised and updated, the second edition of the *International Encyclopedia of the Social and Behavioral Sciences*, first published in 2001, offers a source of social and behavioral sciences reference material that is broader and deeper than any other. Available in both print and online editions, it comprises over 3,900 articles, commissioned by 71 Section Editors, and includes 90,000 bibliographic references as well as comprehensive name and subject indexes.

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9780123948076	Denis Murphy, Brian Murray	<b>Encyclopedia of Applied Plant Sciences, Second Edition</b>	OCT 2016
9780128032244	John Lindon	<b>Encyclopedia of Spectroscopy and Spectrometry, Third Edition</b>	OCT 2016
9780128036785	Stella Quah	<b>International Encyclopedia of Public Health, Second Edition</b>	NOV 2016
9780128040423	Jon Kaas	<b>Evolution of Nervous Systems, Second Edition</b>	DEC 2016
9780128035924	Donald Pfaff	<b>Hormones, Brain and Behavior, Third Edition</b>	DEC 2016

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# Titles Index

## A

Aronson                      Meyler's Side Effects of Drugs                      10

## B

Bradshaw                      Encyclopedia of Cell Biology                      3

Byard                      Encyclopedia of Forensic and Legal Medicine, 2e                      7

## C

Caballero                      Encyclopedia of Food and Health                      6

## F

Friedman                      Encyclopedia of Mental Health, 2e                      11

## K

Kliman                      Encyclopedia of Evolutionary Biology                      8

## R

Ratcliffe                      Encyclopedia of Immunobiology                      2

## S

Schubert                      Treatise on Geophysics, 2e                      4

## T

Toga                      Brain Mapping                      9

## W

Wright                      International Encyclopedia of the Social & Behavioral Sciences, 2e                      12

Wrigley                      Encyclopedia of Food Grains, 2e                      5



# Sales Representatives Index

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---

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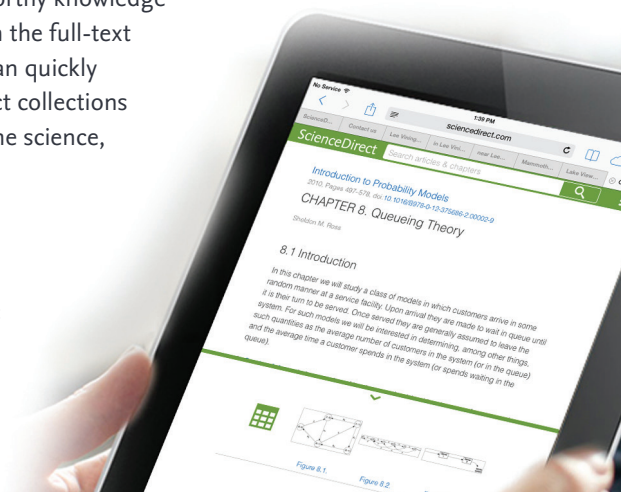


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