



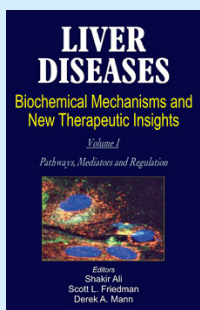
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MEDICAL SCIENCE

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LIVER DISEASES Biochemical Mechanisms and New Therapeutic Insights

*Shakir Ali, Scott L. Friedman and
Derek A. Mann (eds.)*

978-1-57808-399-2; 2006; 580 pages (2 vols.),
hc, 220 x 290mm; \$ 196.00

This book presents state-of art information summarizing the current understanding of a range of liver diseases, and reviews some key diagnostic and therapeutic advances. The book is a collection of selected clinical and scientific topics divided into two volumes, each divided into two sections. The first volume treats the cellular, biochemical and immunological mechanisms underlying liver diseases; the second focuses on clinical liver disease pathophysiology and related diagnostics and therapeutic insights.

"...a welcome addition to the wide selection of hepatology books available and a valuable source of information for hepatologists."

— *J Gastrointestin Lives Dis*
December 2006, Vol.15 No. 4, 417–418

Volume 1: Liver Diseases: Pathways, Mediators and Regulation

CONTENTS: *Section I-Liver Diseases: Mediators and Regulation; Section II-Immunological Basis of Liver Injury*

Volume 2: Clinical Liver Diseases: Pathophysiology, Diagnostic and Therapeutic Insights

CONTENTS: *Section III-Clinical Liver Disease Pathophysiology; Section-IV-Therapeutic and Diagnostic Insights*

APPLIED STATISTICS IN TOXICOLOGY AND PHARMACOLOGY

*Katsumi Kobayashi: An-Pyo Center,
Sizuoka, Japan
K. Sadasivan Pillai: Indian Institute of
Biotechnology and Toxicology, Padappai,
Tamilnadu, India*

978-1-57808-304-6; 2003; 122 pages, hc;
\$ 50.40

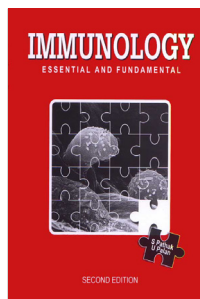
The book explains the methods for statistically analyzing data obtained from various toxicity studies, particularly focusing on how to choose among the many computer statistical programs now available in particular cases. The underlying principle they emphasize is that when statistical analysis is used to certify biological results, the significance of biological difference has priority over statistical difference.

THERAPEUTIC EFFECTS OF TEA

B. Banerjee and T.C. Chaudhuri (eds.)

978-1-57808-398-5; 2005; 220 pages, hc;
\$ 64.40

Researchers have gathered scientific evidence for tea's therapeutic properties — helpfully summarized in a chart. The editors introduce 11 chapters going beyond popular hype about the beverage's protective antioxidant role against cancer, osteoporosis, and other diseases. Intended for a wide audience, the text includes the composition of fresh tea, answers to frequently asked questions, and a glossary.



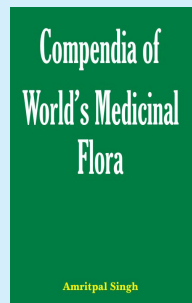
Second Edition

IMMUNOLOGY Essential and Fundamental

S. Pathak and U. Palan

978-1-57808-379-4; 2005; 427 pages, hc, 215 x 265mm; \$ 89.00
978-1-57808-378-7; 2005; 427 pages, pb, 215 x 265mm; \$ 53.80

This textbook describes entities of the adaptive immune response, molecules of adaptive immune recognition, the lymphocytes, humoral immunity, the genetics mechanisms of immune diversity, immune tolerance, and failures of the defense functions. The second edition adds a chapter on cancer, and incorporates current hypotheses about what triggers an immune response.



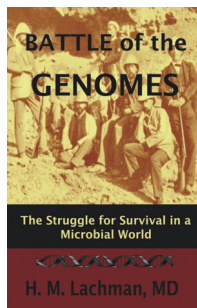
COMPENDIA OF WORLD'S MEDICINAL FLORA

Amritpal Singh

978-1-57808-430-2; 2006; 356 pages, pb;
\$ 61.60

Alternative systems of medicine (Ayurveda, Siddha, Homoeopathy, Traditional Chinese Medicine and Western Medcila Herbalism) utilizes medicinal plants for formulations. The present work is aimed at documentation of chemical composition, medicinal use and modern investigative work on medicinal plants. As the name of the title suggests, the work includes rare medicinal plants used globally in medicine.

As research is being done on medicinal plants, more and more phytochemicals are being discovered. On basis of this, traditional uses of medicinal plants are being confirmed. The work will be a valuable guide for practitioners of alternative systems of medicine. It will be useful for phytochemists, ethnobotanists and herbal pharmacists who will find unique data about less documented medicinal plants.



BATTLE OF THE GENOMES
The Struggle for Survival in a Microbial World

H.M. Lachman: Albert Einstein College of Medicine, Yeshiva University, Bronx, New York, USA

978-1-57808-432-6; 2006; 348 pages, pb; \$ 30.00

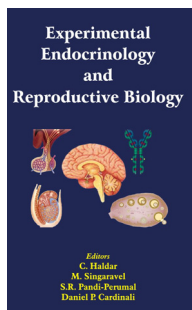
This book is an account of some of the most malignant infectious microbes encountered by humans and the genetic disorders they spawned. It's also a tale of how scientific progress over the past 150 years is giving man the tools to fight back.

TREATISE ON PINEAL GLAND AND MELATONIN

C. Haldar, M. Singaravel, and S.K. Maitra (eds.)

978-1-57808-225-4; 2002; 580 pages, hc; \$ 164.60

This volume is dedicated to professors Aaron Lerner and A.J. Kappers for their contributions a half century ago to basic and applied biology. It discusses the structure, functions, molecular mechanisms, and clinical aspects of the pineal gland and melatonin, the main neurohormone it secretes. The book describes the rising multidisciplinary interest in this endocrine gland, and examines the roles of melatonin and programmed cell death in immunity and cancer. Other contributors review recent information on research related to the gland's role in reproduction, the daily melatonin rhythm, the gastrointestinal tract, sleep disorders, and winter depression; techniques for melatonin analysis; and melatonin as a chronobiotic drug.



EXPERIMENTAL ENDOCRINOLOGY AND REPRODUCTIVE BIOLOGY

Editors:

Chandana Haldar and M. Singaravel: Banaras Hindu University, Varanasi, India
S.R. Pandi-Perumal: Mount Sinai School of Medicine, New York, USA
Daniel P. Cardinali: University of Buenos Aires, Argentina

978-1-57808-518-7; February 2008; c.240 pages, hc; \$ 84.00

Significant advances have been made in Endocrinology relating to developmental biology, environmental physiology, chronobiology, photobiology, reproductive biology, circulatory and digestive physiology, molecular biology, metabolic physiology, clinical and medical biology, etc. Comparative points of view have also accelerated the advancement of endocrinology. This book covers various topics of endocrinology from comparative, experimental, developmental, reproductive and clinical endocrine aspects. Another important feature of this book is that more than half the chapters are described in relation to the function of melatonin and the structure of the pineal organ. These trials of this book are reasonable and timely. Melatonin physiology has been reviewed from several points of view such as antioxidant and scavenger of hydroxyl radical, circadian clock and photoperiodic gonadal response including photoreceptor system, and development of vertebrates.

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