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**The book focuses on four
broad topics related to**

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trapping of agriculturally important tephritid fruit flies, namely i) lures and traps, ii) invasion biology and detection of infestations, iii) attract and kill systems, and iv) trade regulations and risk assessment. This

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comprehensive structure progresses from the biological interaction between insect and lures/traps to the area-wide use of trapping systems to the utilization and impact of trapping data on international trade. The

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chapters include accounts of earlier research but are not simply compendia and instead evaluate past and current work as a tool for critical analysis and proposal of productive avenues for future work. At present there is no

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book available that deals with fruit fly trapping in such a broad context. Our book fills this gap and serves as a global reference for both those interested in fruit flies specifically as well as anyone dealing with the threat of

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**invasive agricultural insects
in general.**

**Provides a bibliography of
more than three thousand
handbooks in various aspects
of science and technology,
from abrasives and band
structures to yield strength**

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and zero defects

Research on new sensing concepts has opened the door to a wide variety of microsystems for clinical applications. Such devices are extremely useful for delivering diagnostic

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**information in a fast, simple,
and low cost fashion. This
book is one of the first to
focus on the use of
nanotechnology in
diagnostics. Designed as a
broad survey of the field, this
book combines contributions**

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**by international experts from
divergent fields of study
ranging from single molecule
diagnostics to cell based
systems.**

**The Routledge Handbook of
Communication Disorders
provides an update on key**

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issues and research in the clinical application of the speech, language and hearing sciences in both children and adults. Focusing on areas of cutting-edge research, this handbook showcases what we know about communication

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**disorders, and their
assessment and treatment. It
emphasizes the application of
theory to clinical practice
throughout, and is arranged
by the four key bases of
communication impairments:
Neural/Genetic Bases**

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**Perceptual-Motor Bases
Cognitive-Linguistic Bases
Socio-Cultural Bases. The
handbook ends with an
integrative section, which
looks at innovative ways of
working across domains to
arrive at novel assessment**

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**and treatment ideas. It is an important reference work for researchers, students and practitioners working in communication science and speech and language therapy. Population Sciences
Temas selectos en ecología**

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química de insectos
Environmental Health
Perspectives
Retrosynthetic Analysis and
Synthesis of Natural Products
1
Functional Anatomy and
Physiology of Domestic

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Animals

Biology Digest

Molecular Approaches to Ecology presents studies on the molecular aspects underlying adaptation along with discussions of the concept of molecular adaptation. A proper approach to the study of adaptation

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must start from the consideration of the relation organism-environment at the level of the community or of the organism, and progressively proceed from this organismic starting point to the underlying molecular aspects.

Examples are presented showing that the adaptation to a given environment

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cannot be traced down to a single molecular mechanism. The book contains nine chapters and begins with a discussion of adaptation and natural selection. This is followed by separate chapters on the basic concepts of comparative biochemistry; the biochemical continuum and ecological

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integration; and the chemical properties of organisms related to physical and chemical properties of the environment. Subsequent chapters deal with isosmotic intracellular regulation; physiological radiations of biochemical systems; and metabolic relations in the production of the

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cocoon by the silkworm.

The Mouse Nervous System provides a comprehensive account of the central nervous system of the mouse. The book is aimed at molecular biologists who need a book that introduces them to the anatomy of the mouse brain and spinal cord, but also

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takes them into the relevant details of development and organization of the area they have chosen to study. The Mouse Nervous System offers a wealth of new information for experienced anatomists who work on mice. The book serves as a valuable resource for researchers and graduate

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students in neuroscience. Systematic consideration of the anatomy and connections of all regions of the brain and spinal cord by the authors of the most cited rodent brain atlases A major section (12 chapters) on functional systems related to motor control, sensation, and behavioral and

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emotional states A detailed analysis of gene expression during development of the forebrain by Luis Puelles, the leading researcher in this area Full coverage of the role of gene expression during development and the new field of genetic neuroanatomy using site-specific recombinases

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Examples of the use of mouse models in the study of neurological illness
Reproduction is one of the most inherent tasks that all living organisms are actively involved in. It forms the backbone of their existence with all evolutionary energies directed over billion years of creation into

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maximizing reproductive effort. For so simple and directed a need such as maximizing reproduction, it is interesting to see how much diversity and complexity exists in this task. Each organism despite having the same end goal employs different strategies. The complexities,

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intricacies and strategies of successful reproduction while being extremely fascinating are equally befuddling. Reproductive Strategies in Insects provides an expansive critical look at the reproductive strategies of the most diverse group of animals, the insects. Insects which inhabit myriad niches in

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all ecosystems except the oceans, show the most diverse reproductive strategies ranging from simplest to most complex. Reproductive strategies, viz., search for mates, number of mates, display of mate quality, assessment of mate quality, acceptance of mate, rejection of

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mates, forced copulations, the fight for paternity pre, during and post copula, the modulation of paternity, ovipositional strategies and parental care are described in detail in this book. Also, each strategy is analyzed in relation to its morphological, physiological, ethological, ecological

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and evolutionary aspects. Features:
Covers a wide variety of reproductive strategies, A detailed step by step description of reproductive strategies. Discusses morphological, physiological, ethological, ecological and evolutionary aspects. Modulation of these strategies and responsible

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modulatory factors are also discussed. Well-illustrated. Recent research results and probable future research directions. This is a niche reference book for ethologists, biologists studying behavioural evolution and entomologists. It may also be used as a textbook for a graduate level course

Read Online Pheromones Volume 83 Vitamins And Hormones in behaviour.

This Volume comprises 12 chapters in an attempt to bring available information on biology, social behaviour and economic importance of termites. Chapters in this book dealing with termites identification provide a review on most updated information of

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their systematics. Ecologically, termites interact with living and non-living surroundings and deliver a wide range of behaviors. In a separate chapter termites ecology is examined and explored. Termites depend on their gut microbes for digestion of complex polysaccharides of wood into

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simpler molecules. Information provided on termite gut microbiome and lignocellulose degradation constitutes an important contribution. Termite biology and social behaviour have been addressed comprehensively. Trail pheromones are responsible for the orientation and

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recruitment of nestmates to the food sources. Once arriving at a potential food source, termites assess its quality using a different set of cues. A separate chapter on trail pheromones, cues used during foraging and food assessment, with preferences for foraging sites, contributes a wealth of

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information. Emphasis has been given on reviewing ecological benefits of termites in other chapters. The information with respect to termite species as an edible insect and the overall role it plays in food and nutrition security in Africa is quite informative. A separate chapter

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dealing with importance of termites and termitaria in mineral exploration constitutes a significant step in addressing the economic importance of this insect group.

Minnesota Symposia on Child
Psychology
Biochemistry (2 Volume Set)

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Synthetic Methods and Applications

The Knowns and the Unknowns

Routledge Handbook of

Communication Disorders

Los perros, los amigos más útiles del
hombre

Biochemistry: The Chemical

Reactions of Living Cells is a well-

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integrated, up-to-date reference for basic biochemistry, associated chemistry, and underlying biological phenomena. Biochemistry is a comprehensive account of the chemical basis of life, describing the amazingly complex structures

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of the compounds that make up cells, the forces that hold them together, and the chemical reactions that allow for recognition, signaling, and movement. This book contains information on the human body, its genome, and the

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*action of muscles, eyes, and the brain. * Thousands of literature references provide introduction to current research as well as historical background * Contains twice the number of chapters of the first edition * Each chapter contains*

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*boxes of information on topics of
general interest*

*An enthralling account of a modern
voyage of discovery as we meet the
clever, social birds of prey called
caracaras, which puzzled Darwin,
fascinate modern-day falconers,*

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and carry secrets of our planet's deep past in their family history. "Deftly intertwine[s] natural history and human history, with insights and lessons that go far beyond the subject birds."--David Sibley, author of What It's Like to Be a Bird

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"Utterly captivating and beautifully written, this book is a hugely entertaining and enlightening exploration of a bird so wickedly smart, curious, and social, it boggles the mind."--Jennifer Ackerman, author of The Bird Way

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In 1833, Charles Darwin was astonished by an animal he met in the Falkland Islands: handsome, social, and oddly crow-like falcons that were "tame and inquisitive . . . quarrelsome and passionate," and so insatiably curious that they stole

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hats, compasses, and other valuables from the crew of the Beagle. Darwin wondered why these birds were confined to remote islands at the tip of South America, sensing a larger story, but he set this mystery aside and never

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returned to it. Almost two hundred years later, Jonathan Meiburg takes up this chase. He takes us through South America, from the fog-bound coasts of Tierra del Fuego to the tropical forests of Guyana, in search of these birds: striated

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caracaras, which still exist, though they're very rare. He reveals the wild, fascinating story of their history, origins, and possible futures. And along the way, he draws us into the life and work of William Henry Hudson, the

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Victorian writer and naturalist who championed caracaras as an unsung wonder of the natural world, and to falconry parks in the English countryside, where captive caracaras perform incredible feats of memory and problem-solving. A

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Most Remarkable Creature is a hybrid of science writing, travelogue, and biography, as generous and accessible as it is sophisticated, and absolutely riveting.

Volume 3 covers carbon-to-carbon

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single bond forming reactions involving sp^3 , sp^2 and sp carbon centers, but only those which do not involve additions to C-X & pgr;-bonds. The volume first compares and contrasts the alkylation reactions of all types of

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sp³ carbon nucleophiles and also covers vinyl and alkynyl carbanions. Following on from Volume 2, a separate section covers Friedel-Crafts alkylation reactions, which is complemented by discussions of polyene

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*cyclizations and electrophilic
transannular cyclizations in
synthesis. Coupling reactions
leading to σ -bond formation,
and involving all types of
combinations of sp^3 , sp^2 and sp
carbon centers are next covered,*

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including those reactions based on pinacol, acyloin and phenol oxidative coupling reactions, and also the Kolbe reaction.

Rearrangement reactions, leading to carbon-to-carbon σ -bond formation, are often used in a

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clever manner in synthesis. The volume includes all those rearrangement reactions based on intermediate carbonium ions and carbanions, and also includes the benzil-benzilic acid and the Wolff rearrangements. The volume

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closes with coverage of carbonylation reactions, and the use of carbene insertion reactions into the C-H bond in synthesis. A study of foodborne disease, focusing on seafood and environmental toxins. This second

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edition discusses fish, shellfish, and freshwater and marine organisms affected by agricultural and food processing products, including raw sewage, industrial effluents, trash and garbage, pesticide runoff from crop lands and top soils, and more.

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*Practical Advice for the Veterinary
Team*

Organophosphorus Chemistry

*The Chemical Reactions of Living
Cells*

Social Recognition in Invertebrates

Cumulated Index Medicus

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*Next-Generation Probiotics: From
Commensal Bacteria to Novel
Drugs and Food Supplements*

Completely updated, the new edition of this easy-to-reference text examines the physiological, biochemical, and genetic aspects of pediatric endocrine

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disorders. Leaders in the field discuss the hottest topics-including genetics, diabetes and obesity-impacting today's endocrine practice, keeping you up to date. A user-friendly organization speeds you to the information you need, and conceptual illustrations and

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photographs depict the latest advances with consistency and clarity. It's the guidance you need to provide effective, state-of-the-art care for your pediatric and neonatal patients. Examines the physiological, biochemical, and genetic aspects of endocrine disorders all in one

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convenient reference. Incorporates the importance of molecular biology as it relates to developmental and pediatric endocrinology. Offers expanded coverage of genetics, diabetes and obesity-topics of increasing concern in pediatric endocrinology today. Presents

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the work of many new contributors for fresh perspectives on the current state of pediatric endocrinology. Provides new tables of normal values and growth charts for monitoring your patients' progress. Concepts, Endocrine Disorders of the Newborn, Endocrine

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Disorders of Childhood and
Adolescence, and Laboratory Tests and
Imaging-making the material easy to
navigate.

Pheromones Academic Press

First published in 1943, VITAMINS
AND HORMONES is the longest-

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running serial published by Academic Press. In the early days of the Serial, the subjects of vitamins and hormones were quite distinct. The Editorial Board now reflects expertise in the field of hormone action, vitamin action, X-ray crystal structure, physiology, and

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enzyme mechanisms. Under the capable and qualified editorial leadership of Dr. Gerald Litwack, VITAMINS AND HORMONES continues to publish cutting-edge reviews of interest to endocrinologists, biochemists, nutritionists, pharmacologists, cell

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biologists, and molecular biologists. Others interested in the structure and function of biologically active molecules like hormones and vitamins will, as always, turn to this series for comprehensive reviews by leading contributors to this and related

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disciplines. *Includes color illustrations
*Available on ScienceDirect *Longest
running series published by Academic
Press *Contributions by leading
international authorities

La comunicación química juega un
papel importante en la vida de los

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insectos, la utilizan para localizar alimento y también parejas potenciales, para detectar competidores y depredadores, entre otras funciones. En esta publicación, un grupo de expertos en ecología química, de Latinoamérica y España, abordan temas relacionados

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con insectos de importancia ecológica, agrícola y médica, como la olfacción; las interacciones entre insectos y entre plantas e insectos, así como la aplicación práctica de feromonas en el control de plagas. Es una obra estimulante y útil para estudiantes

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universitarios y de posgrado y para investigadores interesados en fisiología, ecología, entomología y en el manejo de plagas.

A Most Remarkable Creature
Behaviour Problems in Small Animals
Neurobiology of Chemical

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Communication

The Mouse Nervous System

Chemistry: An Atoms First Approach

Bioassay Methods

Stay on top of the rapid
changes sweeping
endocrinology today with

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the latest information on important selected topics in The Handbook of Endocrinology. This extensive two-volume text provides an impressive breadth and depth of

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coverage difficult to find in other sources. After a broad survey of the functions of major endocrine glands, the book launches into detailed reviews of both

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established and hot, new research areas. Selected topics include:

Social relationships play a central role in the evolution and development of human culture and

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cognition. Volume 39 of
the Minnesota Symposium on
Child Psychology
(Development of the Social
Brain) addresses the
ontogeny and phylogeny of
the social brain from

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multiple perspectives and levels of analysis. The chapters in this volume shed light on shared versus unique features of social information processing across

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different species, and sketch out some of the cognitive and neural mechanisms that underlie such processing. A collection of chapters from distinguished

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Contributors offer new insights into the unique nature of human development. Flexibly and efficiently navigating the complex dynamics of social interaction remains one of

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the remarkable achievements of human evolution. As life in social contexts evolved, so did information processing abilities that afforded new ways of

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interacting with others,
emerging into what we now
refer to as cultural
cognition or cultural
practices. The primary
objective of the current
volume was to consider

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phylogenetic and ontogenetic influence on specialized social information processing capacities. The volume brings together, for the first time, distinguished

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research scholars to consider central themes and principles associated with the development of the social brain. Readers will take away a fresh perspective on nature of

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human nature.

First published in 1943,
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the longest-running serial
published by Academic
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of the serial, the

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subjects of vitamins and hormones were quite distinct. The Editorial Board now reflects expertise in the field of hormone action, vitamin action, X-ray crystal

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cutting-edge reviews of
interest to
endocrinologists,
biochemists,
nutritionists,
pharmacologists, cell
biologists, and molecular

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biologists. Others interested in the structure and function of biologically active molecules like hormones and vitamins will, as always, turn to this

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series for comprehensive reviews by leading contributors to this and related disciplines.

*Longest running series published by Academic Press *Contributions by

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leading international
authorities

This compact, easy-access
guide to behavioral
problems encountered in
veterinary practice offers
immediate and helpful

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immediate advice to the veterinary team who are often presented with behavioral problems in their practice. Easy-to-read format includes introductions, medical

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differentials, underlying causes, diagnosis, action boxes, and summaries.

Content refers the reader to other chapters throughout the book, so that information can be

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found quickly and easily.
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can be photocopied, offer
yet another way to further
your learning experience.
Volume IV: Seafood and
Environmental Toxins

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A Directory of USDA and
State Projects in CRIS
Official Gazette of the
United States Patent and
Trademark Office
Termites and Sustainable
Management

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Secrets of the Snout

Un olfato para todo

This book uses a wide range of case studies from different invertebrate taxa to describe the numerous forms of social recognition occurring in this

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large group of animals and traces the evolution of this cognitive ability. The authors provide several examples of direct (i.e. the target of recognition is a conspecific) and indirect recognition (i.e.

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recognition of a reliable proxy rather than an individual, such as a den or a substrate) and discuss cases of familiar recognition (i.e. an animal remembers a conspecific but cannot tell what class it comes

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***from or recognize its identity).
Class-level recognition (i.e. an
animal assigns a conspecific
to an appropriate class of
animals), and true individual
recognition (i.e. an animal
both identifies and recognizes***

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a conspecific on an individual basis) are also addressed. The field of basic endocrine physiology has advanced considerably since Martin's earlier Textbook of Endocrine Physiology was published,

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and the 95% new material in this volume reflects how the entire concept of the nature and function of hormones has changed. The book takes a biochemical approach to vertebrate and particularly

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***human endocrine physiology,
and emphasizes methods of
hormone action.***

***Packed with the information,
examples and problems you
need to learn to think like a
chemist, CHEMISTRY: AN***

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***ATOMS FIRST APPROACH,
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independent problem-solver.
The text begins with coverage
of the atom and proceeds
through the concept of***

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***Functional Anatomy and
Physiology of Domestic
Animals provides a basic
understanding of domestic
animal anatomy and
physiology, taking an
interconnected approach to***

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structure and function of the horse, dog, cat, cow, sheep, goat, pig, and chicken. Offers a readable introduction to basic knowledge in domestic animal anatomy and physiology Covers equine,

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***canine, feline, bovine, ovine,
ruminant, swine, and poultry
anatomy and physiology
Considers structure and
function in relation to each
other for a full understanding
of the relationship between the***

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two Provides pedagogical tools to promote learning, including chapter outlines, study questions, self-evaluation exercises, clinical correlates, key terms, suggested readings, and a

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***robust art program Includes
access to a companion
website with video clips,
review questions, and the
figures from the book in
PowerPoint
Supplements***

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***Handbook of Endocrinology,
Second Edition, Volume I
Volume 1 - Biology, Social
Behaviour and Economic
Importance
Pheromones and
Reproduction***

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***Endocrine Physiology
Carbon-Carbon σ -Bond
Formation***

First published in 1943,
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longest-running serial
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The Editorial Board now reflects expertise in the field of hormone action, vitamin action, X-ray crystal structure, physiology, and enzyme mechanisms. Under the capable and qualified

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editorial leadership of Dr.
Gerald Litwack, Vitamins and
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of interest to
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biochemists, nutritionists,
pharmacologists, cell

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reviews by leading contributors to this and related disciplines. This volume focuses on insulin and IGFs. Longest running series published by Academic Press Contributions by leading international

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En esta obra, escrita con gran amor y un profundo conocimiento del tema, Frank Rosell nos explica todo lo que hay que saber sobre el sentido del olfato del perro. El perro tiene un

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olfato muchísimo más sensible que el del ser humano, lo que le convierte en nuestro amigo de cuatro patas máspreciado. Los hay que nos protegen de criminales, contrabandistas y terroristas, otros

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encuentran a personas
desaparecidas en la montaña
e, incluso, algunos pueden
descubrir ciertos tipos de
cáncer en una etapa muy
temprana. En este libro, el
autor recoge anécdotas
protagonizadas por perros

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rastreadores de castores,
como Mie y Tapas, el perro
detector de excrementos de
la ballena asesina Tucker o
el perro detector Elvis,
entre otros. Nos enseña el
porqué de sus
comportamientos y reacciones

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y sus semejanzas genéticas con los lobos. Un olfato para todo es, pues, el libro ideal para los amantes de los perros. Una lectura amena, interesante e, incluso, sorprendente. For chemists, attempting to

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mimic nature by synthesizing complex natural products from raw material is a challenge that is fraught with pitfalls. To tackle this unique but potentially rewarding task, researchers can rely on well-established

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reactions and methods of practice, or apply their own synthesis methods to verify their potential. Whatever the goal and its complexity, there are multiple ways of achieving it. We must now establish a strategic and

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effective plan that requires the minimum number of steps, but lends itself to widespread use. This book is structured around the study of a dozen target products (butyrolactone, macrolide, indole compound,

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cyclobutanic terpene, spiro- and polycyclic derivatives, etc.). For each product, the different disconnections are presented and the associated syntheses are analyzed step by step. The key reactions are described explicitly,

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followed by diagrams showing the range of impact of certain transformations. This set of data alone is conducive to understanding syntheses and indulging in this difficult, but worthwhile activity.

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Identification of chemicals that affect the naturally occurring interactions between organisms requires sophisticated chemical techniques, such as those documented in volume 1, in combination with effective

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bioassays. Without an effective bioassay, the identification becomes akin to looking for a needle in a haystack, but without any idea of what a needle looks like. To a large extent serbiochemical

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identifications must be driven by bioassays. The design of bioassays for use in chemical ecology is governed by the sometimes conflicting objectives of ecological relevance and the need for simplicity.

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Bioassay design should be based on observations of the interactions between organisms in their natural context, a theme that appears throughout this volume. As a result, this volume is as much about

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ecology and behavior as it is about specific methods. It is impossible to design a relevant bioassay, whether it is simple or complex, without understanding at least the fundamentals of how chemical cues or signals

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mediate the interaction in nature. Thus, the development of bioassay methods must be driven by an understanding of ecology and a knowledge of the natural history of the organisms under study. Given such an

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understanding, it is often possible to design assays that are both ecologically relevant and easy to perform.

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Science and Technology
Molecular Approaches to

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Ecology

The Hidden Life of the
World's Smartest Birds of
Prey
Reproductive Strategies in
Insects

Nanomedicine in Diagnostics

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Organophosphorus Chemistry provides a comprehensive annual review of the literature. Coverage includes phosphines and their chalcogenides, phosphonium salts, low coordination number

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**phosphorus compounds, penta-
and hexa-coordinated
compounds, trivalent
phosphorus acids, nucleotides
and nucleic acids, ylides and
related compounds, and
phosphazenes. The series will be**

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of value to research workers in universities, government and industrial research organisations, whose work involves the use of organophosphorus compounds. It provides a concise but

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comprehensive survey of a vast field of study with a wide variety of applications, enabling the reader to rapidly keep abreast of the latest developments in their specialist areas. Specialist Periodical Reports provide

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**systematic and detailed review
coverage of progress in the
major areas of chemical
research. Written by experts in
their specialist fields the series
creates a unique service for the
active research chemist,**

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supplying regular critical in-depth accounts of progress in particular areas of chemistry. For over 80 years the Royal Society of Chemistry and its predecessor, the Chemical Society, have been publishing

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reports charting developments in chemistry, which originally took the form of Annual Reports. However, by 1967 the whole spectrum of chemistry could no longer be contained within one volume and the series Specialist

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Periodical Reports was born. The Annual Reports themselves still existed but were divided into two, and subsequently three, volumes covering Inorganic, Organic and Physical Chemistry. For more general coverage of the

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highlights in chemistry they remain a 'must'. Since that time the SPR series has altered according to the fluctuating degree of activity in various fields of chemistry. Some titles have remained unchanged, while

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others have altered their emphasis along with their titles; some have been combined under a new name whereas others have had to be discontinued. The current list of Specialist Periodical Reports can be seen

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on the inside flap of this volume. Dogs and humans have worked side by side for thousands of years, and over the millennia we've come to depend upon our pooches as hunters, protectors, and faithful companions. But

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when it comes to the extraordinary quality of man's best friend which we rely on most, the winner is clear—by a nose. In *Secrets of the Snout*, Frank Rosell blends storytelling and science as he sniffs out the

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myriad ways in which dogs have been trained to employ their incredible olfactory skills, from sussing out cancer and narcotics to locating endangered and invasive species, as well as missing persons (and golf balls).

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With 300 million receptors to our mere 5 million, a dog's nose is estimated to be between 100,000 and 100 million times more sensitive than a human's. No wonder, then, that our nasally inferior species has sought to

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unleash the prodigious power of canine shnozzes. Rosell here takes us for a walk with a pack of superhero sniffers including Tutta, a dog with a fine nose for fine wine; the pet-finder pooch AJ; search-and-rescue dog

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**Barry; the hunting dog Balder;
the police dogs Rasko and
Trixxi; the warfare dog Lisa; the
cancer detection dog Jack;
Tucker, who scents floating killer
whale feces; and even Elvis, who
can smell when you're ovulating.**

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With each dog, Rosell turns his nose to the evolution of the unique olfactory systems involved, which odors dogs detect, and how they do it. A celebration of how the canine sense for scents works—and

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works for us—Secrets of the Snout will have dog lovers, trainers, and researchers alike all howling with delight. Exploring this most pointed of canine wonders, Rosell reveals the often surprising ways in which dogs

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are bettering our world, one nose at a time.

Intraspecific communication involves the activation of chemoreceptors and subsequent activation of different central areas that coordinate the

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responses of the entire organism—ranging from behavioral modification to modulation of hormones release. Animals emit intraspecific chemical signals, often referred to as pheromones, to advertise

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their presence to members of the same species and to regulate interactions aimed at establishing and regulating social and reproductive bonds. In the last two decades, scientists have developed a

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greater understanding of the neural processing of these chemical signals. Neurobiology of Chemical Communication explores the role of the chemical senses in mediating intraspecific communication. Providing an up-

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to-date outline of the most recent advances in the field, it presents data from laboratory and wild species, ranging from invertebrates to vertebrates, from insects to humans. The book examines the structure,

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anatomy, electrophysiology, and molecular biology of pheromones. It discusses how chemical signals work on different mammalian and non-mammalian species and includes chapters on insects, Drosophila,

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honey bees, amphibians, mice, tigers, and cattle. It also explores the controversial topic of human pheromones. An essential reference for students and researchers in the field of pheromones, this is also an ideal

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**resource for those working on
behavioral phenotyping of
animal models and persons
interested in the biology/ecology
of wild and domestic species.**

Patents

Bees and Other Pollinating

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Insects Research

**The Dog's Incredible Nose
Pheromones**

**Development of the Social Brain
Vitamins and Hormones**