

## Microbiology Journal List

List of some 700 periodicals from 35 countries that, regularly or sporadically, publish material of microbiological or immunological interest. Titles arranged alphabetically. Entries include abbreviation (from World list of scientific periodicals, 4th ed., 1963), address, field, languages used, publication information, presence of summaries, tools in which title is indexed, and average number of pertinent articles published annually. Lists of journals by country.

A textbook of general and oral microbiology for dental students. The book is also useful for those taking postgraduate dentistry exams.

Modern approaches to microbial classification and identification, particularly those based on nucleic acid analysis, have raised the awareness and interest of microbiologists in systematics during the past decade. The extended scope of the subject has revolutionized microbial ecology with the demonstration of uncultivable microorganisms as a major component of the biosphere and evolution, with the ribosomal RNA phylogenetic tree as the basis of current classifications. However, advances in microbial systematics have also had enormous impact on other, diverse aspects of microbiology such as animal pathogenicity, plant-microbe interactions and relationships with food. In this book, we survey and discuss in depth the contribution of modern taxonomic approaches to our understanding of the microbiology of these various systems. The book does not concentrate on methods - these have been well reported elsewhere - instead it provides a unique insight into the application and value of modern systematics in diverse branches of microbiology. It will be of value to microbiologists at both research and technical levels who need to appreciate the range of organisms with which they work and the diversity within them. It will also be of value to teachers and students of microbiology courses who want to understand how systematics can enhance microbiology beyond the routine of classification, nomenclature, and identification.

This book is a treatise on microbial ecotoxicology, discussing the effect of pollutants on microbial ecosystems and the role of microorganisms in ecosystems services. Emphasizing the microbial responses to pollution at different biological levels, it focuses on metabolic pathways, genetic adaptation and response at the whole-microbial community level. It also addresses the ecological indicators of ecosystem recovery, as well as microbial biomarkers and biosensors as tools for microbial ecotoxicology.

Oral Microbiology and Immunology

Carbohydrate Bioengineering

Microbiologist Beards Microbiology Doctor NOTEBOOK

Essential Microbiology for Dentistry

From Functional Existence in Nature to Applications

*The acclaimed full-color guide to selecting the correct laboratory test and interpreting the results -- covering ALL of clinical pathology A Doody's Core Title for 2019! Laboratory Medicine is the most comprehensive, user-friendly, and well-illustrated guide available for learning how to order the correct laboratory test and understand the clinical significance of the results. The book features an easy-to-follow, consistent presentation for each disease discussed. Chapters begin with a brief description of the disorder followed by a discussion that includes tables detailing the laboratory evaluation of specific disorders, diagnosis, baseline tests to exclude diagnostic possibilities, and clinical indications that warrant further screening and special testing. With new, increasingly expensive and complicated tests appearing almost daily, Laboratory Medicine, Third Edition is required reading for medical students, clinical laboratory scientists, and healthcare professionals who want to keep abreast of the latest testing procedures and maximize accuracy and patient safety. Features: •48 clinical laboratory methods presented in easy-to-understand illustrations that include information on the expense and complexity of the assays •More than 200 tables and full-color algorithms that encapsulate important information and facilitate understanding •Full-color blood-smear micrographs that demonstrate common abnormal morphologies of red blood cells •Valuable learning aids in each chapter, including learning objectives, chapter outlines, and a general introduction -- and new to this edition: chapter-ending self-assessment Q&A •Logical systems-based organization that complements most textbooks •Extensive table of Clinical Laboratory Reference Values that show the conversions between U.S. and SI units for each value*

*Microbial Resources From Functional Existence in Nature to Applications Academic Press*

*Endodontic Microbiology, Second Edition presents a comprehensive reference to the microbiology, pathogenesis, management, and healing of endodontic pathosis, emphasizing the importance of biological sciences in understanding and managing endodontic disease and its interaction with systemic health. Provides a major revision to the first book to focus on the problems related to microbes in the root canal and periapical tissues Updates current knowledge in endodontic pathosis, especially regarding next generation sequencing and microbial virulence Presents useful diagrams, images, radiographs, and annotated histological images to illustrate the concepts Emphasizes the importance of biological science in understanding and managing endodontic disease Includes contributions from the leading researchers and educators in the field*

*Systems biology is the study of the dynamic interactions of more than one component in a biological system in order to understand and predict the behavior of the system as a whole. Systems biology is a rapidly expanding discipline fuelled by the 'omics' era and new technological advances that have increased the precision of data. A focus on simple single cell organisms, such as bacteria, aids tractability and means that systems microbiology is a rapidly maturing science. Recommended for all*

*microbiology laboratories, this book contains cutting-edge reviews by world-leading experts on the systems biology of microorganisms. As well as covering theoretical approaches and mathematical modeling, the book includes case studies on single microbial species of bacteria and archaea, and it explores the systems analysis of microbial phenomena, such as chemotaxis and phagocytosis. The topics covered include: the mathematical models for systems biology \* systems biology of Escherichia coli metabolism \* bacterial chemotaxis \* systems biology of infection \* host-microbe interactions \* phagocytosis \* system-level study of metabolism in Mycobacterium tuberculosis \* systems biology of Sulfolobus.*

**Periodicals Relevant to Microbiology and Immunology**

**ASM Style Manual for Journals and Books**

**Current Topics and Applications**

**Imaging Anatomy Brain and Spine, E-Book**

**Interdisciplinary Approaches**

The field of oral microbiology has seen fundamental conceptual changes in recent years. Microbial communities are now seen as the fundamental etiological agent in oral diseases through their interface with host inflammatory responses. Study of structured microbial communities has increased our understanding of the roles of each member in the pathogenesis of oral diseases, principles that apply to both periodontitis and dental caries. Against this backdrop, the third edition of Oral Microbiology and Immunology has been substantially expanded and rewritten by an international team of authors and editors. Featured in the current edition are: links between oral infections and systemic disease revised and updated overview of the role of the immune system in oral infections thorough discussions of biofilm development and control more extensive illustrations and Key Points for student understanding Graduate students, researchers, and clinicians as well as students will find this new edition valuable in study and practice. The field of oral microbiology has seen fundamental conceptual changes in recent years. Microbial communities are now seen as the fundamental etiological agent in oral diseases through their interface with host inflammatory responses. Study of structured microbial communities has increased our understanding of the roles of each member in the pathogenesis of oral diseases, principles that apply to both periodontitis and dental caries. Against this backdrop, the third edition of Oral Microbiology and Immunology has been substantially expanded and rewritten by an international team of authors and editors. Featured in the current edition are: links between oral infections and systemic disease revised and updated overview of the role of the immune system in oral infections thorough discussions of biofilm development and control more extensive illustrations and Key Points for student understanding Graduate students, researchers, and clinicians as well as students will find this new edition valuable in study and practice.

Carbohydrate bioengineering is a rapidly expanding field with many applications in medicine and industry. Presenting state-of-the-art research, Carbohydrate Bioengineering: Interdisciplinary Approaches brings together international experts on many different

aspects of this burgeoning topic. Coverage includes: the engineering of glycosidases for constructive purposes; structure-function studies and protein engineering of carbohydrate-active enzymes; chemo-enzymatic carbohydrate synthesis; and trends emerging from comprehensive work on genomes and glycomes. This timely publication will be welcomed by all those needing access to the latest research in the field, including practitioners in the medicinal, chemical, food and pharmaceutical areas.

Morphology Feature extraction Computational linguistics Phonetics Pragmatics Semantic Web Information retrieval

This volume on applied pharmaceutical science and microbiology looks at the latest research on the applications of natural products for drug uses. It focuses on understanding how to apply the principles of novel green chemistry methods in the vital area of pharmaceuticals and covers the important aspects of green microbial technology in the pharmaceutical industry. Chapters include studies on the applications of natural products used in folk and regional medicines, such as for digestive problems, dermatological infections, respiratory diseases, vessel diseases, diarrhea and dysentery, ringworms, boils, fevers (antipyretic), skin and blood diseases, mouth sores, channel discharges, and even cancer. The volume also looks at medical benefit of microbial fermentation for the conservation of nutrients.

Applied Pharmaceutical Science and Microbiology

World List of Serials in Agricultural Biotechnology

Regulating with RNA in Bacteria and Archaea

Endodontic Microbiology

Molecular Medical Microbiology, Three-Volume Set

*This richly illustrated and superbly organized text/atlas is an excellent point-of-care resource for practitioners at all levels of experience and training. Written by global leaders in the field, Imaging Anatomy: Brain and Spine provides a thorough understanding of the detailed normal anatomy that underlies contemporary imaging. This must-have reference employs a templated, highly formatted design; concise, bulleted text; and state-of-the-art images throughout that identify the clinical entities in each anatomic area. Features more than 2,500 high-resolution images throughout, including 7T MR, fMRI, diffusion tensor MRI, and multidetector row CT images in many planes, combined with over 300 correlative full-color anatomic drawings that show human anatomy in the projections that radiologists use. Covers only the brain and spine, presenting multiplanar normal imaging anatomy in all pertinent modalities for an unsurpassed, comprehensive point-of-care clinical reference. Incorporates recent, stunning advances in imaging such as 7T and functional MR imaging, surface and segmented anatomy, single-photon emission computed tomography (SPECT) scans, dopamine transporter (DAT) scans, and 3D quantitative volumetric scans. Places 7T MR images alongside 3T MR images to highlight the benefits of using 7T MR imaging as it becomes more widely available in the future. Presents essential text in an easy-to-digest, bulleted format, enabling imaging specialists to find quick answers to anatomy questions encountered in daily practice.*

*American Flag Microbiologist Microbiology Doctor Specialist/h3> GIFT IDEAS | TIME MANAGEMENT | ORGANIZATION The perfect notebook to keep track of your daily, weekly or monthly tasks, chores and responsibilities in a simple, organized manner. Each page has two columns of 13 standard checkboxes as well as a priority box to highlight your top 8 tasks, paired with a full page dot matrix layout for additional notes and memos. Product Details: \* High quality 60lb (90gsm) paper stock \* Premium matte-finish cover design \* Perfect for all writing mediums \* Large format 6.0 x 9.0 inches (approximately A5) pages*

*The molecular age has brought about dramatic changes in medical microbiology, and great leaps in our understanding of the mechanisms of infectious disease. Molecular Medical Microbiology is the first book to synthesise the many new developments in both molecular and clinical research in a single comprehensive resource. This timely and authoritative 3-volume work is an invaluable reference source of medical bacteriology. Comprising over 100 chapters, organised into 17 major sections, the scope of this impressive work is wide-ranging. Written by experts in the field, chapters include cutting edge information, and clinical overviews for each major bacterial group, in addition to the latest updates on vaccine development, molecular technology and diagnostic technology. \* The first comprehensive and accessible reference on Molecular Medical Microbiology \* Two color presentation throughout \* Full colour plate section \* Fully integrated and meticulously organised \* In depth discussion of individual pathogenic bacteria in a system-oriented approach \* Includes a clinical overview for each major bacterial group \* Presents the latest information on vaccine development, molecular technology and diagnostic technology \* Extensive indexing and cross-referencing throughout \* Over 100 chapters covering all major groups of bacteria \* Written by an international panel of authors expert in their respective disciplines \* Over 2300 pages in three volumes*

*Handbook of Algal Science, Microbiology, Technology and Medicine provides a concise introduction to the science, biology, technology and medical use of algae that is structured on the major research fronts of the last four decades, such as algal structures and properties, algal biomedicine, algal genomics, algal toxicology, and algal bioremediation, algal photosystems, algal ecology, algal bioenergy and biofuels. It also covers algal production for biomedicine, algal biomaterials, and algal medicinal foods within these primary sections. All chapters are authored by the leading researchers in their respective research fields. Our society currently faces insurmountable challenges in the areas of biomedicine and energy in the face of increasing global population and diminishing natural resources as well as the growing environmental and economic concerns, such as global warming, greenhouse gas emissions and climate change. Algae offer a way to deal with these challenges and concerns for both sustainable and environment friendly bioenergy production and in biomedicine through the development of crucial biotechnology. Provides an essential interdisciplinary introduction and handbook for all the stakeholders engaged in science, technology and medicine of algae Covers the major research streams of the last four decades, ranging from algal structures, to algal biomedicine and algal bioremediation Fills a significant market opening for an interdisciplinary handbook on algal science, technology and medicine*

### *A Taxonomic Study*

### *Predictive Modelling in Food*

### *Current Advances in Applied Microbiology & Biotechnology*

### *Microbial Biofilms*

*This book ventures into a new and exciting area of discovery that directly ties our current knowledge of cancer to the discovery of microorganisms associated with different types of cancers. Recent studies demonstrate that microorganisms are directly linked to the establishment of cancers and that they can also contribute to the initiation, as well as persistence of, the cancers. Microbiome and Cancer covers the current knowledge of microbiome and its association with human cancers. It provides important reading for novices, senior undergraduates in cancer and microbiology, graduate students, junior investigators, residents, fellows and established investigators in the fields of cancer and microbiology. We cover areas related to known, broad concepts in microbiology and how they can relate to the ongoing discoveries of the micro-environment and the changes in the metabolic and physiologic states in that micro-environment, which are important for the ongoing nurturing and survival of the poly-microbial content that dictates activities in that micro-environment. We cover the interactions of microorganisms associated with gastric carcinomas, which are important for driving this particular cancer. Additional areas include oral cancers, skin cancers, ovarian cancers, breast cancers, nasopharyngeal cancers, lung cancers, mesotheliomas, Hodgkin's and non-Hodgkin's lymphomas, glioblastoma multiforme, hepatocellular carcinomas, as well as the inflammatory response related to the infectious agents in cancers. This book covers the metabolic changes that occur because of infection and their support for development of cancers, chronic infection and development of therapeutic strategies for detection and control of the infection. The field of microbiome research has exploded over the last five years, and we are now understanding more and more about the context in which microorganisms can contribute to the onset of cancers in humans. The field of microbiome research has demonstrated that the human body has specific biomes for tissues and that changes in these biomes at the specific organ sites can result in disease. These changes can result in dramatic differences in metabolic shifts that, together with genetic mutations, will produce the perfect niche for establishment of the particular infection programmes in that organ site. We are just beginning to understand what those changes are and how they influence the disease state. Overall, we hope to bring together the varying degrees of fluctuations in the microbiome at the major organ sites and how these changes affect the normal cellular processes because of dysregulation, leading to proliferation of the associated tissues. Microbial Resources: From Functional Existence in Nature to Applications provides an exciting*

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*interdisciplinary journey through the rapidly developing field of microbial resources, including relationships to aspects of microbiology. Covers the functional existence of microorganisms in nature, as well as the transfer of this knowledge for industrial and other applications. Examines the economic perspective of revealing the potential value of microbial material and figuring it into socio-economic value; legal perspectives; and how to organize a fair allotment of socio-economic benefits to all stakeholders who have effectively contributed to the preservation, study, and exploitation of microbiological material. Covers aspects of foundational information related to microbiology, microbial ecology, and diversity, as well as new advances in microbial genomics Provides information on the utilization of microbial resources in biotechnology Covers legislative issues and related law in biodiscovery Fills a need for a very broad audience and is a good resource for microbiologists seeking to know the extent of microbiology approaches, the policies associated with microbiology, and potential career paths for researchers Has significant added value due to the inclusion of comprehensive coverage of the biology, ecology, biochemistry and international legislation surrounding these applications*

*Current Protocols in Immunology is a three-volume looseleaf manual that provides comprehensive coverage of immunological methods from classic to the most cutting edge, including antibody detection and preparation, assays for functional activities of mouse and human cells involved in immune responses, assays for cytokines and their receptors, isolation and analysis of proteins and peptides, biochemistry of cell activation, molecular immunology, and animal models of autoimmune and inflammatory diseases. Carefully edited, step-by-step protocols replete with material lists, expert commentaries, and safety and troubleshooting tips ensure that you can duplicate the experimental results in your own laboratory. Bimonthly updates, which are filed into the looseleaf, keep the set current with the latest developments in immunology methods. The initial purchase includes one year of updates and then subscribers may renew their annual subscriptions. Current Protocols publishes a family of laboratory manuals for bioscientists, including Molecular Biology, Human Genetics, Protein Science, Cytometry, Cell Biology, Neuroscience, Pharmacology, and Toxicology.*

*Biochemistry and ecology of biofilms from industrial, medical and other viewpoints.*

*Laposata's Laboratory Medicine Diagnosis of Disease in Clinical Laboratory Third Edition*

*Microbial Ecotoxicology*

*Microbial Siderophores*

*Systems Microbiology*

*List of Journals Indexed for MEDLINE*

**Type IV secretion systems (T4SSs) are highly versatile membrane-associated transporter machines used by Gram-negative and Gram-positive bacteria to deliver substrate molecules to a large variety of target cells. This**

***volume summarizes our current knowledge of the large variety and structural diversity of T4SSs in pathogenic Escherichia, Agrobacterium, Legionella, Coxiella, Bartonella, Helicobacter, Enterococcus and other species. Divided into 13 chapters contributed by leading experts, it presents findings that significantly enhance our understanding of how various pathogens manipulate host cell functions to trigger bacterial uptake, promote intracellular growth, suppress defense mechanisms and of how bacteria spread antibiotic resistances, thus facilitating bacterial colonization and disease development. The book is an invaluable source of information for researchers and clinicians.***

***Taxonomy of Prokaryotes, edited by two leading experts in the field, presents the most appropriate up-to-date experimental approaches in the detail required for modern microbiological research. Focusing on the methods most useful for the microbiologist interested in this specialty, this volume will be essential reading for all researchers working in microbiology, immunology, virology, mycology and parasitology. Methods in Microbiology is the most prestigious series devoted to techniques and methodology in the field. Established for over 30 years, Methods in Microbiology will continue to provide you with tried and tested, cutting-edge protocols to directly benefit your research.***

***?This notebook can be used as a repository for all the odds and ends you want to remember, from your daily goals, your grocery list to your coffees you've enjoyed drinking. ??Undoubtedly, a notebook is the perfect place to jot down a quick thought before you forget it as writing down events and thoughts during the day is a good way to bolster your memory. Besides, with compact size, this notebook comes in handy when you go on vacation or on your business. ???Surely this notebook will be the most meaningful gift for your friends, family, relatives or your beloved ones.***

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***Type IV Secretion in Gram-Negative and Gram-Positive Bacteria***

***The Yeasts***

***EMBASE List of Journals Indexed***

***Taxonomy of Prokaryotes***

***Current Protocols in Immunology***

For microbiology and environmental microbiology courses, this leading textbook builds on the academic success of the previous edition by including a comprehensive and up-to-date discussion of environmental microbiology as a discipline that has grown in scope and interest in recent years. From environmental science and microbial ecology to topics in molecular genetics, this edition relates environmental microbiology to the work of a variety of life science, ecology, and environmental science investigators. The authors and editors have taken the care to highlight links between environmental microbiology and topics important to our changing world such as bioterrorism and national security with sections on practical issues such as bioremediation, waterborne pathogens, microbial risk assessment, and environmental biotechnology. WHY ADOPT THIS EDITION? New chapters on: Urban Environmental Microbiology Bacterial Communities in Natural Ecosystems Global Change and Microbial Infectious Disease Microorganisms and Bioterrorism Extreme Environments (emphasizing the ecology of these environments) Aquatic Environments (now devoted to its own chapter- was combined with Extreme Environments) Updates to Methodologies: Nucleic Acid -Based Methods: microarrays, phyloarrays, real-time PCR, metagomics, and comparative genomics Physiological Methods: stable isotope fingerprinting and functional genomics and proteomics-based approaches Microscopic Techniques: FISH (fluorescent in situ hybridization) and atomic force microscopy Cultural Methods: new approaches to enhanced cultivation of environmental bacteria Environmental Sample Collection and Processing: added section on air sampling

A rich array of methods and discussions of productive microbial processes. • Reviews of the newest techniques, approaches, and options in the use of microorganisms and other cell culture systems for the manufacture of pharmaceuticals, industrial enzymes and proteins, foods and beverages, fuels and fine chemicals, and other products. • Focuses on the latest advances and findings on the current state of the art and science and features a new section on the microbial production of biofuels and fine chemicals, as well as a stronger emphasis on mammalian cell culture methods. • Covers new methods that enhance the capacity of microbes used for a wide range of purposes, from winemaking to pharmaceuticals to bioremediation, at volumes from micro- to industrial scale.

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This volume brings together papers detailing the latest advances in the field of predictive microbiology in foods presented at the 10th International Conference on Predictive Modelling in Food, held in Córdoba, Spain, in 2016. Predictive microbiology is a scientific area providing mathematical models to predict microbial behaviour in the food environment, providing valuable tools for food risk managers, food scientists and the food industry as a whole. The book introduces the reader to the most used and recognized modelling techniques for food, providing a thorough overview of this discipline and establishing the basis for future investigations. It is presented as a compendium of several high-quality research studies developed across the world, representing a unique contribution to the field as it shows recent discoveries and new trends of modelling in food and risk assessment. The most innovative methods, such as the use of genomic information for risk assessment and the application of quantitative risk assessment technology for foodborne pathogenic microorganisms, are also included here.

Microbial Cell Factories is a conceptual, reference-based source including chapters covering microbial cell factories for industrial developments, microbial biotechnology, sustainable environmental solutions, agriculture practices, microorganisms in food processing, metabolites as next generation food additives/food processing, and microbial cell factories in alternative energy fuel generation. The book highlights trends and developments in the field of microbial products, written by an international team of leading academic and research scholars. Key Selling Features: Highlights trends and developments in microbial biotechnology Systematically reviews microbial cell factories Explores the potential of microbial cell derived industrial production Synthesizes information on environmental and agricultural uses of microbial biotechnology Contributions from an international team of leading scholars

FDA Medical Library Serials Holdings List

American Flag Microbiologist Microbiology Doctor Specialist

Microbiome and Cancer

Notebook - Daily Planner Journal, to Do List Notebook, 114 Pages, 6x9 Inch

Manual of Industrial Microbiology and Biotechnology

The Yeasts: A Taxonomic Study is a three-volume book that covers the taxonomic aspect of yeasts. The main goal of this book is to provide important information about the identification of yeasts. It also discusses the growth tests that can be used to identify different species of yeasts, and it examines how the more important species of yeasts provide information for the selection of species needed for biotechnology. • Volume 1 discusses the identification, classification and importance of yeasts in the field of biotechnology. • Volume 2 focuses on the

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identification and classification of ascomycetous yeasts. • Volume 3 deals with the identification and classification of basidiomycetous yeasts, along with the genus Prototheca. High-quality photomicrographs and line drawings Detailed phylogenetic trees Up-to-date, clearly presented yeast taxonomy and systematic, easy-to-use reference sequence accession numbers to allow for correct identification

Revealing the many roles of RNA in regulating gene expression For decades after the discoveries of messenger RNA, transfer RNA, and ribosomal RNA, it was largely assumed that the role of RNA in the cell was limited to shuttling the genomic message, chaperoning amino acids, and toiling in the ribosomes. Eventually, hints that RNA molecules might have regulatory roles began to appear. With the advent of genomics and bioinformatics, it became evident that numerous other RNA forms exist and have specific functions, including small RNAs (sRNA), RNA thermometers, and riboswitches to regulate core metabolic pathways, bacterial pathogenesis, iron homeostasis, quorum sensing, and biofilm formation. All of these functions, and more, are presented in *Regulating with RNA in Bacteria and Archaea*, written by RNA biologists from around the globe. Divided into eight sections—RNases and Helicases, Cis-Acting RNAs, Cis Encoded Base Pairing RNAs, Trans-Encoded Base Pairing RNAs, Protein Titration and Scaffolding, General Considerations, Emerging Topics, and Resources—this book serves as an excellent resource for established RNA biologists and for the many scientists who are studying regulated cellular systems. It is no longer a fair assumption that gene expression regulation is the provenance of proteins only or that control is exerted primarily at the level of transcription. This book makes clear that regulatory RNAs are key partners along with proteins in controlling the complex interactions and pathways found within prokaryotes.

Issues for 1977–1979 include also Special List journals being indexed in cooperation with other institutions. Citations from these journals appear in other MEDLARS bibliographies and in MEDLING, but not in Index medicus.

In response to low iron availability in the environment most microorganisms synthesize iron chelators, called siderophores. Bacteria and fungi produce a broad range of structurally diverse siderophores, all of which show a very high affinity for ferric ions. This book presents an up-to-date overview of the chemistry, biology and biotechnology of these iron chelators. Coverage ranges from an introductory chapter to siderotyping to applications in human and plant health. Microbial Resources

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Notebook Planner, Daily Planner Journal, to Do List Notebook  
Environmental Microbiology  
Applied Microbial Systematics  
Novel Green Chemistry Methods and Natural Products