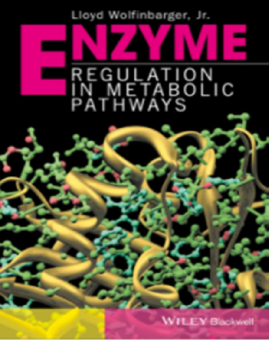

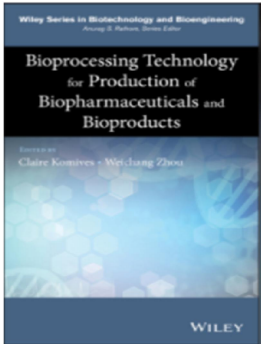
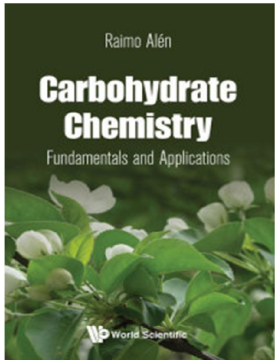


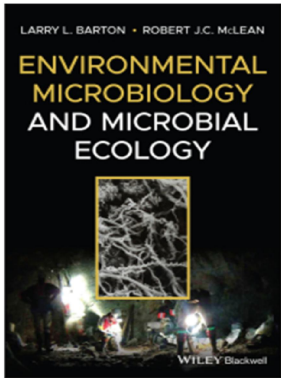
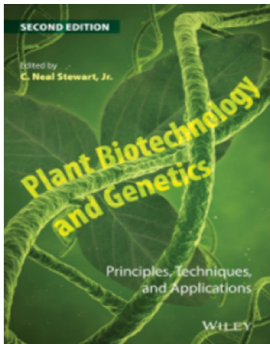
DAFTAR BUKU ELEKTRONIK (E-BOOK) WILEY E-TEXT



UNTUK: SEKOLAH ILMU DAN TEKNOLOGI HAYATI



PUBLISHER: WILEY

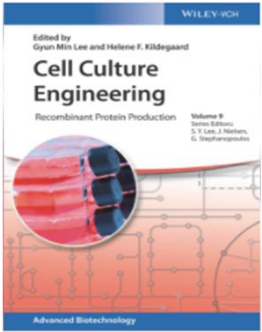
No.	Judul	Pengarang	Penerbit	Tahun	Edisi	Kolasi	e-ISBN	p-ISBN	Anotasi	Link
1	Enzyme Regulation in Metabolic Pathways 	Wolfenbarger Jr	Wiley	2017	-	-	9781119155416	-	Enzyme Regulation In Metabolic Pathways Shows The Reader How To Understand The Roles Of Enzymes And Their Kinetic Constants In Intermediary Metabolism. It Provides A Means Of Correlating Data Obtained In Experimental Studies To Multiple Possible Mechanisms Through Which Some Enzyme May Catalyze The Conversion Of A Substrate To A Product. Although Not The Most Appropriate Means Of Determining Some Potential Kinetic Mechanism, Quasi-Equilibrium Assumptions Are Used Throughout The Book, Keeping The Rate Equation Derivations Simple. Actual Metabolic Pathways With Known (Presumed) Positive And Negative Regulation Events Are Linked To These Potential Kinetic Mechanisms Using Both Rate Equation Derivations And Data Plots Illustrating How The Rate Equation Derivations Can Be Used To Explain The Data Plots. This Book Will Be A Valuable Reference For Students In Biological Sciences And Biochemistry Majors Required To Take A Core Course In Enzymology.	https://bookshelf.vitalsource.com/#/books/9781119155416
2	Fundamental Bioengineering 	Villadsen	Wiley	2016	-	XVI, 560 hlm. : ilus. ; 25 cm.	9783527697458	9783527336746 3527336745 9783527697465 3527697462 9783527697458 3527697454 9783527697472 3527697470 9783527697441 3527697446	A Thorough Introduction To The Basics Of Bioengineering, With A Focus On Applications In The Emerging "White" Biotechnology Industry. As Such, This Latest Volume In The "Advanced Biotechnology" Series Covers The Principles For The Design And Analysis Of Industrial Bioprocesses As Well As The Design Of Bioremediation Systems, And Several Biomedical Applications. No Fewer Than Seven Chapters Introduce Stoichiometry, Kinetics, Thermodynamics And The Design Of Ideal And Real Bioreactors, Illustrated By More Than 50 Practical Examples. Further Chapters Deal With The Tools That Enable An Understanding Of The Behavior Of Cell Cultures And Enzymatically Catalyzed Reactions, While Others Discuss The Analysis Of Cultures At The Level Of The Cell, As Well As Structural Frameworks For The Successful Scale-Up Of Bioreactions. In Addition, A Short Survey Of Downstream Processing Options And The Control Of Bioreactions Is Given. With Contributions From Leading Experts In Industry And Academia, This Is A Comprehensive Source Of Information Peer-Reviewed By Experts In The Field.	https://bookshelf.vitalsource.com/#/books/9783527697458

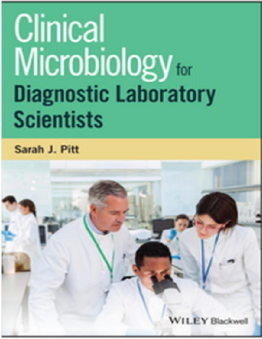
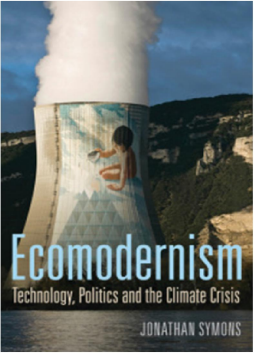
No.	Judul	Pengarang	Penerbit	Tahun	Edisi	Kolasi	e-ISBN	p-ISBN	Anotasi	Link
3	Bioprocessing Technology for Production of Biopharmaceuticals and Bioproducts 	Komives	Wiley	2019	–	xiii, 273 hlm.	9781119378303	–	Written For Industrial And Academic Researchers And Development Scientists In The Life Sciences Industry, Bioprocessing Technology For Production Of Biopharmaceuticals And Bioproducts Is A Guide To The Tools, Approaches, And Useful Developments In Bioprocessing. This Important Guide: • Summarizes State-Of-The-Art Bioprocessing Methods And Reviews Applications In Life Science Industries • Includes Illustrative Case Studies That Review Six Milestone Bio-Products • Discusses A Wide Selection Of Host Strain Types And Disruptive Bioprocess Technologies	https://bookshelf.vitalsource.com/#/books/9781119378303
4	Carbohydrate Chemistry: Fundamentals And Applications 	Alen Raimo	Wiley	2018	–	–	9789813223660	9789813223639, 9813223634	This book presents a comprehensive approach to the versatile and fascinating field of carbohydrate chemistry. It covers, besides the colorful historical perspective within the utilization of carbohydrates and their derivatives, all modern aspects on their properties, nomenclature, uses, and natural occurrence as such or as residues in a variety of biologically active molecules. Special emphasis is paid to various conversion techniques for producing value-added chemicals, biofuels, and other products from carbohydrate-rich renewable resources. This book can be primarily used as an advanced textbook for a wide range of readers in many disciplines; not only students and teachers but also everyone who works in the laboratory as a researcher or in production and planning or who generally needs relevant knowledge of carbohydrates.	https://bookshelf.vitalsource.com/#/books/9789813223660

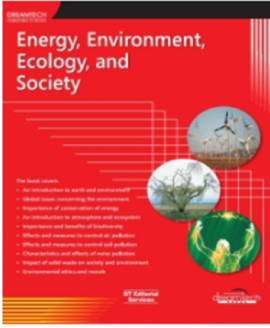
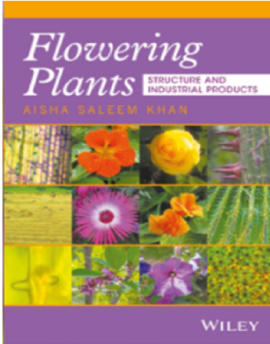
No.	Judul	Pengarang	Penerbit	Tahun	Edisi	Kolasi	e-ISBN	p-ISBN	Anotasi	Link
5	Environmental Microbiology and Microbial Ecology 	Barton	Wiley	2016	1st ed	xvi, 446 hlm. : ilus. (beberapa berwarna ; 26 cm	9781118966280	9781118966266, 1118966260	<p>An authoritative overview of the ecological activities of microbes in the biosphere - Environmental Microbiology and Microbial Ecology presents a broad overview of microbial activity and microbes' interactions with their environments and communities. Adopting an integrative approach, this text covers both conventional ecological issues as well as cross-disciplinary investigations that combine facets of microbiology, ecology, environmental science and engineering, molecular biology, and biochemistry. Focusing primarily on single-cell forms of prokaryotes -- and cellular forms of algae, fungi, and protozoans -- this book enables readers to gain insight into the fundamental methodologies for the characterization of microorganisms in the biosphere. The authors draw from decades of experience to examine the environmental processes mediated by microorganisms and explore the interactions between microorganisms and higher life forms. Highly relevant to modern readers, this book examines topics including the ecology of microorganisms in engineered environments, microbial phylogeny and interactions, microbial processes in relation to environmental pollution, and many more. Now in its second edition, this book features updated references and major revisions to chapters on assessing microbial communities, community relationships, and their global impact. New content such as effective public communication of research findings and advice on scientific article review equips readers with practical real-world skills. Explores the activities of microorganisms in specific environments with case studies and actual research data</p> <p>Highlights how prominent microbial biologists address significant microbial ecology issues</p> <p>Offers guidance on scientific communication, including scientific presentations and grant preparation</p> <p>Includes plentiful illustrations and examples of microbial interactions, community structures, and human-bacterial connections</p> <p>Provides chapter summaries, review questions, selected reading lists, a complete glossary, and critical thinking exercises</p> <p><i>Environmental Microbiology and Microbial Ecology is an ideal textbook for graduate and advanced undergraduate courses in biology, microbiology, ecology, and environmental science, while also serving as a current and informative reference for microbiologists, cell and molecular biologists, ecologists, and environmental professionals.</i></p>	https://bookshelf.vitalsource.com/#/books/9781118966280
6	Plant Biotechnology and Genetics: Principles, Techniques, and Applications, 2nd Edition 	Stewart	Wiley	2016	2nd ed.	_	9781118819883	_	<p>Focused On Basics And Processes, This Textbook Teaches Plant Biology And Agriculture Applications With Summary And Discussion Questions In Each Chapter. Updates Each Chapter To Reflect Advances / Changes Since The First Edition, For Example: New Biotechnology Tools And Advances, Genomics And Systems Biology, Intellectual Property Issues On DNA And Patents, Discussion Of Synthetic Biology Tools Features Autobiographical Essays From Eminent Scientists, Providing Insight Into Plant Biotechnology And Careers Has A Companion Website With Color Images From The Book And PowerPoint Slides Links With Author's Own Website That Contains Teaching Slides And Graphics For Professors And Students: http://bit.ly/2Cl3mjp</p>	https://bookshelf.vitalsource.com/#/books/9781118819883

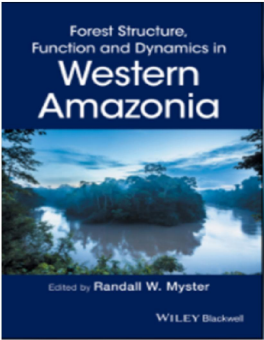
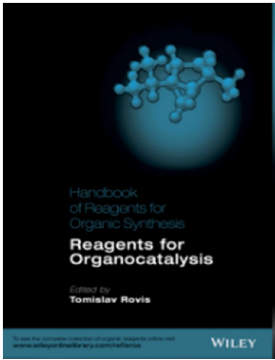
No.	Judul	Pengarang	Penerbit	Tahun	Edisi	Kolasi	e-ISBN	p-ISBN	Anotasi	Link
7	Supply Chain Management for Sustainable Food Networks 	Bochtis	Wiley	2016	–	–	9781118937501	–	<p>An Interdisciplinary Framework For Managing Sustainable Agrifood Supply Chains Supply Chain Management For Sustainable Food Networks Provides An Up-To-Date And Interdisciplinary Framework For Designing And Operating Sustainable Supply Chains For Agri-Food Products. Focus Is Given To Decision-Making Procedures And Methodologies Enabling Policy-Makers, Managers And Practitioners To Design And Manage Effectively Sustainable Agrifood Supply Chain Networks. Authored By High Profile Researchers With Global Expertise In Designing And Operating Sustainable Supply Chains In The Agri-Food Industry, This Book: Features The Entire Hierarchical Decision-Making Process For Managing Sustainable Agrifood Supply Chains. Covers Knowledge-Based Farming, Management Of Agricultural Wastes, Sustainability, Green Supply Chain Network Design, Safety, Security And Traceability, IT In Agrifood Supply Chains, Carbon Footprint Management, Quality Management, Risk Management And Policy- Making. Explores Green Supply Chain Management, Sustainable Knowledge-Based Farming, Corporate Social Responsibility, Environmental Management And Emerging Trends In Agri-Food Retail Supply Chain Operations. Examines Sustainable Practices That Are Unique For Agriculture As Well As Practices That Already Have Been Implemented In Other Industrial Sectors Such As Green Logistics And Corporate Social Responsibility (CSR). Supply Chain Management For Sustainable Food Networks Provides A Useful Resource For Researchers, Practitioners, Policy-Makers, Regulators And C-Level Executives That Deal With Strategic Decision-Making. Post-Graduate Students In The Field Of Agriculture Sciences, Engineering, Operations Management, Logistics And Supply Chain Management Will Also Benefit From This Book.</p>	https://bookshelf.vitalsource.com/#/books/9781118937501
8	Advanced Materials for Wastewater Treatment 	Shahid Ul-Islam (Editor)	Wiley	2017	1st ed.	xv, 512 hlm. : ilus. ; 24 cm	9781119407782	9781119407768, 1119407761	<p>Over the past few decades, rapid industrialization, fast urban encroachment, and improved agricultural operations have introduced substantial amounts of potentially toxic organic substances into the atmosphere and into the aquatic and terrestrial environments. Advanced Materials for Wastewater Treatment brings together innovative methodologies and research strategies to remove toxic effluents from wastewaters. With contributions from leading scientists from all around the world, the book provides a comprehensive coverage of the current literature, up-to-date overviews of all aspects of toxic chemical remediation including the role of nanomaterials.</p>	https://bookshelf.vitalsource.com/#/books/9781119407782

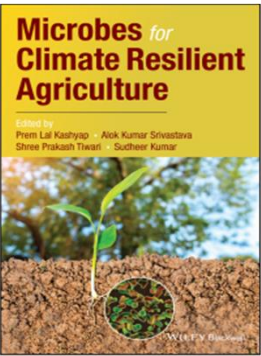
No.	Judul	Pengarang	Penerbit	Tahun	Edisi	Kolasi	e-ISBN	p-ISBN	Anotasi	Link
9	Biological Safety: Principles and Practices 	Dawn P. Wooley, Karen B. Byers (Eds.)	Wiley	2017	–	–	9781683673132		Biological Safety And Biosecurity Protocols Are Essential To The Reputation And Responsibility Of Every Scientific Institution, Whether Research, Academic, Or Production. Every Risk—No Matter How Small—Must Be Considered, Assessed, And Properly Mitigated. If The Science Isn't Safe, It Isn't Good. Now In Its Fifth Edition, Biological Safety: Principles And Practices Remains The Most Comprehensive Biosafety Reference. Led By Editors Karen Byers And Dawn Wooley, A Team Of Expert Contributors Have Outlined The Technical Nuts And Bolts Of Biosafety And Biosecurity Within These Pages. This Book Presents The Guiding Principles Of Laboratory Safety, Including: The Identification, Assessment, And Control Of The Broad Variety Of Risks Encountered In The Lab; The Production Facility; And, The Classroom. Specifically, Biological Safety Covers Protection And Control Elements—From Biosafety Level Cabinets And Personal Protection Systems To Strategies And Decontamination Methods Administrative Concerns In Biorisk Management, Including Regulations, Guidelines, And Compliance Various Aspects Of Risk Assessment Covering Bacterial Pathogens, Viral Agents, Mycotic Agents, Protozoa And Helminths, Gene Transfer Vectors, Zoonotic Agents, Allergens, Toxins, And Molecular Agents As Well As Decontamination, Aerobiology, Occupational Medicine, And Training A Resource For Biosafety Professionals, Instructors, And Those Who Work With Pathogenic Agents In Any Capacity, Biological Safety Is Also A Critical Reference For Laboratory Managers, And Those Responsible For Managing Biohazards In A Range Of Settings, Including Basic And Agricultural Research, Clinical Laboratories, The Vivarium, Field Study, Insectories, And Greenhouses.	https://bookshelf.vitalsof.com/#/books/9781683673132
10	Bioreactors: Design, Operation and Novel Applications 	Carl-Fredrik Mandenius	Wiley	2016	–	494 hlm. : ilus.	9783527683383	9783527337682 3527337687	In This Expert Handbook Both The Topics And Contributors Are Selected So As To Provide An Authoritative View Of Possible Applications For This New Technology. The Result Is An Up-To-Date Survey Of Current Challenges And Opportunities In The Design And Operation Of Bioreactors For High-Value Products In The Biomedical And Chemical Industries. Combining Theory And Practice, The Authors Explain Such Leading-Edge Technologies As Single-Use Bioreactors, Bioreactor Simulators, And Soft Sensor Monitoring, And Discuss Novel Applications, Such As Stem Cell Production, Process Development, And Multi-Product Reactors, Using Case Studies From Academia As Well As From Industry. A Final Section Addresses The Latest Trends, Including Culture Media Design And Systems Biotechnology, Which Are Expected To Have An Increasing Impact On Bioreactor Design. With Its Focus On Cutting-Edge Technologies And Discussions Of Future Developments, This Handbook Will Remain An Invaluable Reference For Many Years To Come.	https://bookshelf.vitalsof.com/#/books/9783527683383

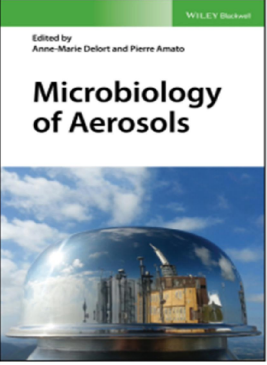
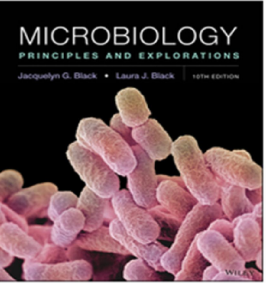
No.	Judul	Pengarang	Penerbit	Tahun	Edisi	Kolasi	e-ISBN	p-ISBN	Anotasi	Link
11	Cell Culture Engineering: Recombinant Protein Production 	Gyun Min Lee, Helene Fastrup Kildegaard, Sang Yup Lee (Eds)	Wiley	2019	–	439 hlm.	9783527811403	–	Offers A Comprehensive Overview Of Cell Culture Engineering, Providing Insight Into Cell Engineering, Systems Biology Approaches And Processing Technology In Cell Culture Engineering: Recombinant Protein Production, Editors Gyun Min Lee And Helene Fastrup Kildegaard Assemble Top Class Authors To Present Expert Coverage Of Topics Such As: Cell Line Development For Therapeutic Protein Production; Development Of A Transient Gene Expression Upstream Platform; And CHO Synthetic Biology. They Provide Readers With Everything They Need To Know About Enhancing Product And Bioprocess Attributes Using Genome-Scale Models Of CHO Metabolism; Omics Data And Mammalian Systems Biotechnology; Perfusion Culture; And Much More. This All-New, Up-To-Date Reference Covers All Of The Important Aspects Of Cell Culture Engineering, Including Cell Engineering, System Biology Approaches, And Processing Technology. It Describes The Challenges In Cell Line Development And Cell Engineering, E.G. Via Gene Editing Tools Like CRISPR/Cas9 And With The Aim To Engineer Glycosylation Patterns. Furthermore, It Gives An Overview About Synthetic Biology Approaches Applied To Cell Culture Engineering And Elaborates The Use Of CHO Cells As Common Cell Line For Protein Production. In Addition, The Book Discusses The Most Important Aspects Of Production Processes, Including Cell Culture Media, Batch, Fed-Batch, And Perfusion Processes As Well As Process Analytical Technology, Quality By Design, And Scale Down Models. -Covers Key Elements Of Cell Culture Engineering Applied To The Production Of Recombinant Proteins For Therapeutic Use -Focuses On Mammalian And Animal Cells To Help Highlight Synthetic And Systems Biology Approaches To Cell Culture Engineering, Exemplified By The Widely Used CHO Cell Line -Part Of The Renowned "Advanced Biotechnology" Book Series Cell Culture Engineering: Recombinant Protein Production Will Appeal To Biotechnologists, Bioengineers, Life Scientists, Chemical Engineers, And PhD Students In The Life Sciences.	https://bookshelf.vitalsource.com/#/books/9783527811403

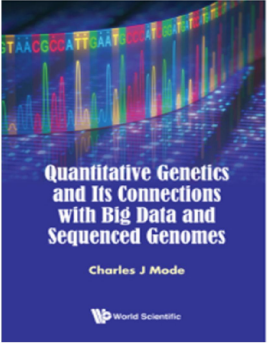
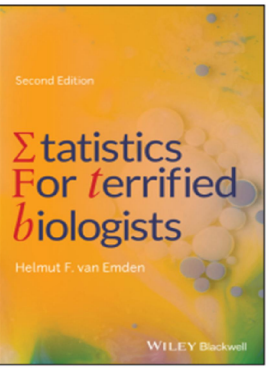
No.	Judul	Pengarang	Penerbit	Tahun	Edisi	Kolasi	e-ISBN	p-ISBN	Anotasi	Link
12	Clinical Microbiology for Diagnostic Laboratory Scientists 	Pitt	Wiley	2016	1st ed.	xv, 275 hlm.: ilus., diagram	9781118745823	9781118745854, 111874585X	<p>A modern, evaluative, and integrative approach to diagnostic microbiology encouraging problem-solving in the clinical laboratory context through the use of examples to illustrate clinical and diagnostic issues - Clinical Microbiology for Diagnostic Laboratory Scientists is designed to encourage readers to develop a way of thinking that can be applied to any diagnostic scenario in microbiology. Through consideration of a selected range of infections caused by pathogenic bacteria, viruses, fungi, protozoa, and helminths, the book encourages readers to explore connections between the available information about clinical symptoms, pathogenesis of infections, and the approaches used in laboratory diagnosis, in order to develop new insights. The book begins with an introductory chapter that outlines the scope of clinical diagnostic microbiology and the key areas for the laboratory scientist to be aware of. The subsequent six chapters review a type of infection in depth, using particular pathogenic microorganisms to illustrate salient points. At the end of each chapter there are three exercises related to management of a diagnostic service and assessing the suitability of test methods to specific contexts. There are no right or wrong answers to these, but the reader can discuss them with their laboratory colleagues or university tutor. Makes extensive use of published research in the form of journal articles, publically available epidemiological data, professional guidelines, and specialist websites</p> <p>Stimulates the reader in critical appraisal of published evidence and encourages problem-solving in the laboratory</p> <p>Outlines the scope of clinical diagnostic microbiology and the key areas for the laboratory scientist to be aware of</p> <p>Considers topics relevant to professional scientists working in the area of diagnostic microbiology Clinical Microbiology for Diagnostic Laboratory Scientists is ideal for post graduate scientists intending to pursue careers in diagnostic clinical microbiology and for biomedical scientists, clinical scientists, and full time students studying for upper level qualifications in biomedical science, microbiology, or virology.</p>	https://bookshelf.vitalsource.com/#/books/9781118745823
13	Ecomodernism: Technology, Politics and The Climate Crisis 	Jonathan Symons	Wiley	2019	1st ed.	_	9781509531226	9781509531196, 150953119X	<p>Is climate catastrophe inevitable? In a world of extreme inequality, rising nationalism and mounting carbon emissions, the future looks gloomy. Yet one group of environmentalists, the 'ecomodernists', are optimistic. They argue that technological innovation and universal human development hold the keys to an ecologically vibrant future. However, this perspective, which advocates fighting climate change with all available technologies - including nuclear power, synthetic biology and others not yet invented - is deeply controversial because it rejects the Green movement's calls for greater harmony with nature. In this book, Jonathan Symons offers a qualified defence of the ecomodernist vision. Ecomodernism, he explains, is neither as radical or reactionary as its critics claim, but belongs in the social democratic tradition, promoting a third way between laissez-faire and anti-capitalism. Critiquing and extending ecomodernist ideas, Symons argues that states should defend against climate threats through transformative investments in technological innovation. A good Anthropocene is still possible - but only if we double down on science and humanism to push beyond the limits to growth.</p>	https://bookshelf.vitalsource.com/#/books/9781509531226

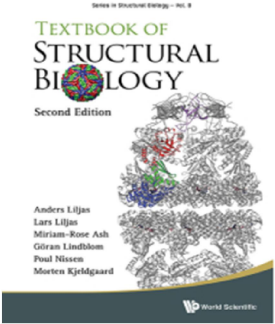
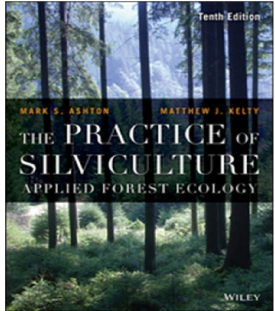
No.	Judul	Pengarang	Penerbit	Tahun	Edisi	Kolasi	e-ISBN	p-ISBN	Anotasi	Link
14	Energy, Environment, Ecology And Society 	Dt Editorial Services	Wiley	2012	–	–	9789350049648	–	N/A	https://bookshelf.vitalsource.com/#/books/9789350049648
15	Flowering Plants: Structure and Industrial Products 	Aisha S. Khan	Wiley	2017	–	1 volume ; 25 cm	9781119262787	9781119262770 1119262771	Angiosperms, Or Flowering Plants, Are One Of The Most Diverse Plant Groups On The Planet, And They Offer Tremendous Resources For A Broad Range Of Industries. Flowering Plants Examines The Anatomy And Morphology Of Angiosperms With A Focus On Relating Their Metabolic Activities To Products For The Pharmaceutical, Food, Cosmetic, And Textile Industries. This Up-To-Date Reference Provides A Thorough Understanding Of Plant Structure And Chemical And Molecular Processes Found In Angiosperms. It Covers Many Important Topics On Applied Botany, And Therefore, Can Also Be Used As A Textbook For Students Of Related Fields. It Details The Latest Research In The Field, Along With Areas In Need Of Further Study, For Students, Researchers, And Professionals Working In Industry. The Book Takes Advantage Of Technological Innovations To Showcase A Range Of Advanced Techniques For Studying Plant Structure And Metabolites, Such As Cryo-Electron Microscopy, Ultramicroscopy, X-Ray Crystallography, Spectroscopy, And Chromatography. Filled With Helpful Illustrations, Diagrams, And Flowcharts To Aid Comprehension, Flowering Plants Offers Readers The Morphological, Anatomic, And Molecular Knowledge About Angiosperms They Need For A Range Of Industrial Applications.	https://bookshelf.vitalsource.com/#/books/9781119262787

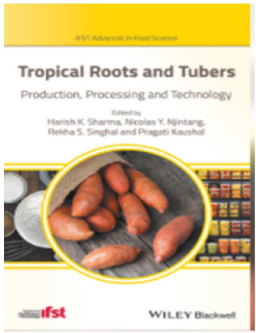
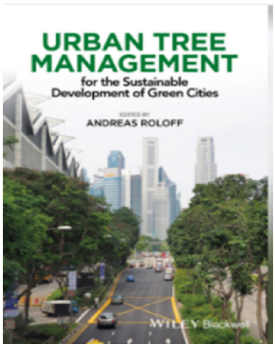
No.	Judul	Pengarang	Penerbit	Tahun	Edisi	Kolasi	e-ISBN	p-ISBN	Anotasi	Link
16	Forest Structure, Function and Dynamics in Western Amazonia 	Randall W. Myster (Editor)	Wiley	2017	–	–	9781119090694	–	The Amazon Basin Contains The Largest And Most Diverse Tropical Rainforest In The World. Besides The Andes And The Atlantic Ocean, The Rainforest Is Bounded To The North By The Guiana Crystalline Shield And To The South By The Brazilian Crystalline Shield, Marked At Their Edges By Cataracts In The Rivers And Often Dominated By Grasslands. This Book Is Motivated Not Just By The Amazon's Scientific Interest But Also By Its Role In Many Ecosystem Functions Critical To Life On Earth. These Ecosystems Are Characterized Both By Their Complexity And Their Interactive, Higher-Order Linkages Among Both Abiotic And Biotic Components. Within Amazonia, The Western Amazon (West Of 65° Latitude) Is The Most Pristine And, Perhaps, The Most Complex Within The Amazon Basin. This Western Amazon May Be Broadly Divided Into Non-Flooded Forests (E.G. Terra Firme, White Sand, Palm) And Forests Flooded With White Water (Generally Referred To As Várzea) And With Black Water (Generally Referred To As Igapó). Here, For The First Time, Is A Book Devoted Entirely To Western Amazonia, Containing Chapters By Scientists At The Forefront Of Their Own Areas Of Expertise. It Should Be A Valuable Resource For All Future Researchers And Scholars Who Venture Into Western Amazonia, As It Continues To Be One Of The Most Beautiful, Mysterious, Remote And Important Ecosystems On Earth.	https://bookshelf.vitalsof.com/#/books/9781119090694
17	Handbook of Reagents for Organic Synthesis: Reagents for Organocatalysis 	Tomislav Rovis (Editor)	Wiley	2016	–	–	9781119061021	–	Spurred By The Desire To Make Chemistry A Sustainable And "Greener" Technology, The Field Of Organocatalysis Has Grown To Become One Of The Most Important Areas In Synthetic Organic Chemistry. Organic Catalysts Can Often Replace Potentially Toxic Metal Catalysts And Allow Reactions To Proceed Under Mild Reaction Conditions, Thereby Saving Energy Costs And Rendering Chemical Processes Inherently Safer. More Importantly Perhaps, Organocatalysis Offers A Complementary Reactivity In Many Instances Leading To Increased Versatility. This Handbook Describes 126 Key Reagents For Organocatalytic Reactions And Will Be Especially Useful For Professionals In The Area Of Sustainable Chemistry, Medicinal Research, As Well As Synthetic Organic Chemists Working In Academia And The Pharmaceutical Industry. All The Information Compiled In This Volume Is Also Available In Electronic Format On Wiley Online Library. The 126 Reagents Represented Here Are But A Small Fraction Of The Ca. 5,000 Reagents Available In The Electronic Encyclopedia Of Reagents For Organic Synthesis (E-EROS). E-EROS Offers Various Search Interfaces To Locate Reagents Of Interest, Including Chemical Structure, Substructure And Reactions Search Modes. E-EROS Is Updated Regularly With New And Updated Entries.	https://bookshelf.vitalsof.com/#/books/9781119061021

No.	Judul	Pengarang	Penerbit	Tahun	Edisi	Kolasi	e-ISBN	p-ISBN	Anotasi	Link
18	Microbes for Climate Resilient Agriculture 	Prem Lal Kashyap (Editor), Alok Kumar Srivastava (Editor), Shree Prakash Tiwari (Editor), Sudheer Kumar (Editor)	Wiley	2017	1st ed.	xxiv, 349 hlm.	9781119276029	9781119275923, 111927592X	<p>A comprehensive, edited volume pulling together research on manipulation of the crop microbiome for climate resilient agriculture - Microbes for Climate Resilient Agriculture provides a unique collection of data and a holistic view of the subject with quantitative assessment of how agricultural systems will be transformed in coming decades using hidden treasure of microbes. Authored by leaders in the field and edited to ensure conciseness and clarity, it covers a broad range of agriculturally important crops, discusses the impact of climate change on crops, and examines biotechnologically and environmentally relevant microbes. The book encapsulates the understanding of microbial mediated stress management at field level, and will serve as a springboard for novel research findings and new applications in the field. Chapter coverage includes: the role of the phytomicrobiome in maintaining biofuel crop production in a changing climate; the impact of agriculture on soil microbial community composition and diversity in southeast Asia; climate change impact on plant diseases; microalgae; photosynthetic microorganisms and bioenergy prospects; amelioration of abiotic stresses in plants through multifaceted beneficial microorganisms; role of methylophilic bacteria in climate change mitigation; conservation agriculture for climate change resilience; archaeal community structure; mycorrhiza-helping plants to navigate environmental stresses; endophytic microorganisms; bacillus thuringiensis; and microbial nanotechnology for climate resilient agriculture. Clear and succinct chapters contributed and edited by leaders in the field</p> <p>Covers microbes' beneficial and detrimental roles in the microbiome, as well as the functions they perform under stress</p> <p>Discusses the crop microbiome, nutrient cycling microbes, endophytes, mycorrhizae, and various pests and diseases, and their roles in sustainable farming</p> <p>Places research in larger context of climate change's effect on global agriculture</p> <p><i>Microbes for Climate Resilient Agriculture is an important text for scientists and researchers studying microbiology, biotechnology, environmental biology, agronomy, plant physiology, and plant protection.</i></p>	https://bookshelf.vitalsource.com/#/books/9781119276029

No.	Judul	Pengarang	Penerbit	Tahun	Edisi	Kolasi	e-ISBN	p-ISBN	Anotasi	Link
19	Microbiology of Aerosols 	Delort	Wiley	2017	1st ed.	–	9781119132301	–	<p>An introduction to the microbiology of bioaerosols and their impact on the world in which we live - The microbiology of aerosols is an emerging field of research that lies at the interface of a variety of scientific and health-related disciplines. This eye-opening book synthesizes the current knowledge about microorganisms--bacteria, archaea, fungi, viruses--that are aloft in the atmosphere. The book is written collaboratively by an interdisciplinary and international panel of experts and carefully edited to provide a high-level overview of the emerging field of aerobiology. Four sections within Microbiology of Aerosols present the classical and online methods used for sampling and characterizing airborne microorganisms, their emission sources and short- to long-distance dispersal, their influence on atmospheric processes and clouds, and their consequences for human health and agro-ecosystems. Practical considerations are also discussed, including sampling techniques, an overview of the quantification and characterization of bioaerosols, transport of bioaerosols, and a summary of ongoing research opportunities in the field. Comprehensive in scope, the book: Explores this new field that is applicable to many disparate disciplines</p> <p>Covers the emission of bioaerosols to their deposit, covering both quantitative and qualitative aspects</p> <p>Provides insights into social and environmental effects of the presence of bioaerosols in the atmosphere</p> <p>Details the impact of bioaerosols on human health, animal and plant health, and on physical and chemical atmospheric processes</p> <p>Written by authors internationally recognized for their work on biological aerosols and originating from a variety of scientific fields collaborated on, Microbiology of Aerosols is an excellent resource for researchers and graduate or PhD students interested in atmospheric sciences or microbiology.</p>	https://bookshelf.vitalsource.com/#/books/9781119132301
20	Microbiology: Principles and Explorations 	Jacquelyn G. Black, Laura J. Black	Wiley	2017	10th ed.	–	9781119390114	9781119390107, 1119390109	<p><i>Microbiology: Principles and Explorations</i> is an introductory product that has successfully educated thousands of students on the beginning principles of Microbiology. Using a student-friendly approach, this product carefully guides students through all of the basics and prepares them for more advanced studies.</p>	https://bookshelf.vitalsource.com/#/books/9781119390114

No.	Judul	Pengarang	Penerbit	Tahun	Edisi	Kolasi	e-ISBN	p-ISBN	Anotasi	Link
23	Quantitative Genetics And Its Connections With Big Data And Sequenced Genomes 	Charles J Mode	World Scientific	2017	–	xiii, 164 hlm. ; 23 cm	9789813140707	9789813140677, 9813140674	The book gives an overview of developments in Quantitative Genetics and variance component analysis in an era of Big Data and Sequenced Genomes. It provides a detailed description of a direct method of estimation that will be a useful means of extracting information from a large set of data that was inconceivable 10 to 20 years ago. The book is a combination of a history of variance component analysis and a forward looking view as to how direct methods of estimation arise from the availability of big data sets and sequenced genomes of each individual in the sample. Many papers and books on quantitative genetics versions of the general linear model from statistics are useful for analyzing the data, using relatively small sets of data. In this book, new methods of direct estimation are introduced and analyzed that are appropriate for an era of big sets of data and sequences genomes. These direct methods of estimation are based on taking conditional expectations rather the methods of least squares that characterize many applications of the general linear model of statistics.	https://bookshelf.vitalsource.com/#/books/9789813140707
24	Statistics for Terrified Biologists, 2nd Edition 	Van Emden	Wiley	2020	2nd ed.	–	9781119563686	9781119563679, 1119563674	Makes mathematical and statistical analysis understandable to even the least math-minded biology student - This unique textbook aims to demystify statistical formulae for the average biology student. Written in a lively and engaging style, Statistics for Terrified Biologists, 2nd Edition draws on the author's 30 years of lecturing experience to teach statistical methods to even the most guarded of biology students. It presents basic methods using straightforward, jargon-free language. Students are taught to use simple formulae and how to interpret what is being measured with each test and statistic, while at the same time learning to recognize overall patterns and guiding principles. Complemented by simple examples and useful case studies, this is an ideal statistics resource tool for undergraduate biology and environmental science students who lack confidence in their mathematical abilities. Statistics for Terrified Biologists presents readers with the basic foundations of parametric statistics, the t-test, analysis of variance, linear regression and chi-square, and guides them to important extensions of these techniques. It introduces them to non-parametric tests, and includes a checklist of non-parametric methods linked to their parametric counterparts. The book also provides many end-of-chapter summaries and additional exercises to help readers understand and practice what they've learned. Presented in a clear and easy-to-understand style Makes statistics tangible and enjoyable for even the most hesitant student Features multiple formulas to facilitate comprehension Written by of the foremost entomologists of his generation <i>This second edition of Statistics for Terrified Biologists</i> is an invaluable guide that will be of great benefit to pre-health and biology undergraduate students.	https://bookshelf.vitalsource.com/#/books/9781119563686

No.	Judul	Pengarang	Penerbit	Tahun	Edisi	Kolasi	e-ISBN	p-ISBN	Anotasi	Link
25	Textbook Of Structural Biology (Second Edition) 	Liljas Anders Et Al	Wiley	2016	2nd ed.	viii, 599 hlm.: ilus., diagram; 26 cm	9789813142497	9789813142466, 9813142464	This book provides a comprehensive coverage of the basic principles of structural biology, as well as an up-to-date summary of some main directions of research in the field. The relationship between structure and function is described in detail for soluble proteins, membrane proteins, membranes, and nucleic acids. There are several books covering protein structure and function, but none that give a complete picture, including nucleic acids, lipids, membranes and carbohydrates, all being of central importance in structural biology. The book covers state-of-the-art research in various areas. It is unique for its breadth of coverage by experts in the fields. The book is richly illustrated with more than 400 color figures to highlight the wide range of structures.	https://bookshelf.vitalsource.com/#/books/9789813142497
26	The Practice of Silviculture: Applied Forest Ecology 	Mark S. Ashton, Matthew J. Kelty	Wiley	2018	10th ed.	xvii, 758 hlm. : ilus. berwarna, grafik berwarna ; 28cm.	9781119271307	9781119270959, 1119270952	The most up-to-date, comprehensive resource on silviculture that covers the range of topics and issues facing today's foresters and resource professionals - The tenth edition of the classic work, <i>The Practice of Silviculture: Applied Forest Ecology</i> , includes the most current information and the results of research on the many issues that are relevant to forests and forestry. The text covers such timely topics as biofuels and intensive timber production, ecosystem and landscape scale management of public lands, ecosystem services, surface drinking water supplies, urban and community greenspace, forest carbon, fire and climate, and much more. In recent years, silvicultural systems have become more sophisticated and complex in application, particularly with a focus on multi-aged silviculture. There have been paradigm shifts toward managing for more complex structures and age-classes for integrated and complementary values including wildlife, water and open space recreation. Extensively revised and updated, this new edition covers a wide range of topics and challenges relevant to the forester or resource professional today. This full-color text offers the most expansive book on silviculture and: Includes a revised and expanded text with clear language and explanations Covers the many cutting-edge resource issues that are relevant to forests and forestry Contains boxes within each chapter to provide greater detail on particular silvicultural treatments and examples of their use Features a completely updated bibliography plus new photographs, tables and figures <i>The Practice of Silviculture: Applied Forest Ecology, Tenth Edition</i> is an invaluable resource for students and professionals in forestry and natural resource management.	https://bookshelf.vitalsource.com/#/books/9781119271307

No.	Judul	Pengarang	Penerbit	Tahun	Edisi	Kolasi	e-ISBN	p-ISBN	Anotasi	Link
27	Tropical Roots and Tubers: Production, Processing and Technology 	Harish K. Sharma, Nicolas Y. Njintang, Rekha S. Singhal, Pragati Kaushal	Wiley	2016	–	648 hlm.	9781118992746	–	<p>Roots And Tubers Are Considered As The Most Important Food Crops After Cereals And Contribute Significantly To Sustainable Development, Income Generation And Food Security Especially In The Tropical Regions. The Perishable Nature Of Roots And Tubers Demands Appropriate Storage Conditions At Different Stages Starting From Farmers To Its Final Consumers. Because Of Their Highly Perishable Nature, Search For Efficient And Better Methods Of Preservation/Processing Have Been Continuing Alongside The Developments In Different Arena. This Book Covers The Processing And Technological Aspects Of Root And Tuber Foods, Detailing The Production And Processing Of Roots And Tubers Such As Taro, Cassava, Sweet Potato, Yam And Elephant Foot Yam. Featuring Chapters On Anatomy, Taxonomy And Physiology, Molecular And Biochemical Characterization, GAP, GMP, HACCP, Storage Techniques, As Well As The Latest Technological Interventions In Taro, Cassava, Sweet Potato, Yam And Elephant Foot Yam.</p>	https://bookshelf.vitalsof.com/#/books/9781118992746
28	Urban Tree Management: For the Sustainable Development of Green Cities 	Andreas Roloff (Editor)	Wiley	2015	–	xiv, 274 hlm.	9781118954577	–	<p>Urban Tree Management Is The Key Basis For Greener Cities Of The Future. It Is A Practical Discipline Which Includes Tree Selection, Planting, Care And Protection And The Overall Management Of Trees As A Collective Resource. Urban Tree Management Aims To Raise Awareness For The Positive Impacts And Benefits Of City Trees And For Their Importance To City Dwellers. It Describes Their Advantages And Details Their Effects On Quality Of Urban Life And Well-Being – Aspects That Are Increasingly Important In These Times Of Progressing Urbanisation. With This Book You Will Learn: Fundamentals, Methods And Tools Of Urban Tree Management State Of The Art In The Fields Of Urban Forestry And Tree Biology Positive Effects And Uses Of Urban Trees Features, Requirements And Selection Criteria For Urban Trees Conditions And Problems Of Urban Trees Governance And Management Aspects Environmental Education Programs. Edited By The Leading Expert Dr Andreas Roloff, Urban Tree Management Is An Excellent Resource For Plant Scientists, Horticulturists, Dendrologists, Arborists And Arboriculturists, Forestry Scientists, City Planners, Parks Department Specialists And Landscape Architects. It Will Be An Essential Addition To All Students And Libraries Where Such Subjects Are Taught.</p>	https://bookshelf.vitalsof.com/#/books/9781118954577