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IMMUNO SYSTEMS BIOLOGY ADVANCED CHEMICAL BIOLOGY ESSENTIAL FISH BIOLOGY INTERNATIONAL REVIEW OF CELL AND MOLECULAR BIOLOGY CELL BIOLOGY AND TRANSLATIONAL MEDICINE, VOLUME 3 NEW DEVELOPMENTS IN BIOLOGICAL AND CHEMICAL TERRORISM COUNTERMEASURES OCEANOGRAPHY AND MARINE BIOLOGY THE BEHAVIOURAL BIOLOGY OF CHICKENS SYSTEMS BIOLOGY OF MARINE ECOSYSTEMS ENCYCLOPEDIA OF CELL BIOLOGY ADVANCES IN ANIMAL BIOTECHNOLOGY MESOPHOTIC CORAL ECOSYSTEMS MOLECULAR BIOLOGY AND BIOTECHNOLOGY OCEANOGRAPHY AND MARINE BIOLOGY ORGANOFLOURINE COMPOUNDS IN BIOLOGY AND MEDICINE MOLECULAR BIOLOGY OF EYE DISEASE THE SOCIAL BIOLOGY OF MICROBIAL COMMUNITIES SYSTEMS BIOLOGY APPROACHES TO UNDERSTANDING THE CAUSE AND TREATMENT OF HEART, LUNG, BLOOD, AND SLEEP DISORDERS BIOLOGICAL CONTROL THREATENED AND RECENTLY EXTINCT VERTEBRATES OF THE WORLD THEORETICAL PRINCIPLES OF RELATIONAL BIOLOGY THE SCIENCE OF SUBJECTIVITY BUTTERFLY BIOLOGY SYSTEMS THE WILEY HANDBOOK OF EVOLUTIONARY NEUROSCIENCE STEM CELL BIOLOGY AND TISSUE ENGINEERING IN DENTAL SCIENCES ENCYCLOPEDIA OF BONE BIOLOGY FREE RADICALS IN BIOLOGY AND MEDICINE SYNTHETIC BIOLOGY MICROFLUIDIC METHODS FOR MOLECULAR BIOLOGY OPTICAL SPECTROSCOPY AND COMPUTATIONAL METHODS IN BIOLOGY AND MEDICINE PLASMONICS IN CHEMISTRY AND BIOLOGY ENCYCLOPEDIA OF BIOINFORMATICS AND COMPUTATIONAL BIOLOGY PROGRESS IN MOLECULAR BIOLOGY AND TRANSLATIONAL SCIENCE ADVANCES IN COMPUTATIONAL BIOLOGY APPROACHES FOR ENHANCING ABIOTIC STRESS TOLERANCE IN PLANTS FORENSIC BIOLOGY HANDBOOK OF EMOTION REGULATION THE EVOLUTIONARY BIOLOGY OF SPECIES AMPHIBIAN CONSERVATION BIOLOGICAL INVASIONS AND ITS MANAGEMENT IN CHINA

IMMUNO SYSTEMS BIOLOGY 2013-10-01

IMMUNO SYSTEMS BIOLOGY AIMS TO STUDY THE IMMUNE SYSTEM IN THE MORE INTEGRATED MANNER ON HOW CELLS AND MOLECULES PARTICIPATE AT DIFFERENT SYSTEM LEVELS TO THE IMMUNE FUNCTION THROUGH THIS BOOK KUMAR SELVARAJOO INTRODUCES TO PHYSICISTS CHEMISTS COMPUTER SCIENTISTS BIOLOGISTS AND IMMUNOLOGISTS THE IDEA OF AN INTEGRATED APPROACH TO THE UNDERSTANDING OF MAMMALIAN IMMUNE SYSTEM GEARED TOWARDS A RESEARCHER WITH LIMITED IMMUNOLOGICAL AND COMPUTATIONAL ANALYTICAL EXPERIENCE THE BOOK PROVIDES A BROAD OVERVIEW TO THE SUBJECT AND SOME INSTRUCTION IN BASIC COMPUTATIONAL THEORETICAL AND EXPERIMENTAL APPROACHES THE BOOK LINKS COMPLEX IMMUNOLOGICAL PROCESSES WITH COMPUTATIONAL ANALYSIS AND EMPHASIZES THE IMPORTANCE OF IMMUNOLOGY TO THE MAMMALIAN SYSTEM

ADVANCED CHEMICAL BIOLOGY 2023-04-03

ADVANCED CHEMICAL BIOLOGY THE MODERN APPROACH TO TEACHING CHEMICAL BIOLOGY ADVANCED CHEMICAL BIOLOGY IS ORGANIZED AROUND THE CENTRAL DOGMA OF LIFE PROGRESSING FROM GENES TO PROTEINS AND HIGHER ORDER CELLULAR STRUCTURES INCLUDING CORE APPLICATION AREAS SUCH AS IMAGING CHEMICAL GENETICS ACTIVITY BASED PROTEIN PROFILING AND NATURAL PRODUCT DISCOVERY AND BIOSYNTHESIS ADVANCED TOPICS AND APPLICATIONS IN E G MICROBIOLOGY DEVELOPMENTAL BIOLOGY AND NEUROBIOLOGY ARE COVERED IN SEPARATE SECTIONS EVERY CHAPTER IS HOMOGENEOUS IN STYLE AND LAYOUT CONSISTING OF A SHORT HISTORICAL INTRODUCTION FOLLOWED BY A DESCRIPTION OF THE UNDERLYING CONCEPTS AND A SELECTION OF RECENT EXAMPLES OF HOW THE CONCEPT HAS BEEN TURNED INTO PRACTICE THE SUBDIVISION OF THE CONTENTS INTO CORE AND SUPPLEMENTAL CHAPTERS ENABLES A FLEXIBLE USE IN TEACHING BOTH FOR A ONE SEMESTER AND A TWO SEMESTER COURSE WRITTEN BY AUTHORS AND EDITORS COMING FROM THE LEADING SCIENTIFIC INSTITUTIONS THAT HAVE DEVELOPED THE CONCEPTS AND TECHNOLOGIES FOR THIS DISCIPLINE ADVANCED CHEMICAL BIOLOGY INCLUDES SPECIFIC INFORMATION ON TOPICS LIKE DNA FUNCTION SYNTHESIS AND ENGINEERING CHEMICAL APPROACHES TO GENOME INTEGRITY AND RNA FUNCTION SYNTHESIS AND PROBING CHEMICAL APPROACHES TO TRANSCRIPTION AND RNA REGULATION IN VIVO CHEMICAL BIOLOGY OF GENOME ENGINEERING AND PEPTIDE PROTEIN SYNTHESIS AND ENGINEERING DIRECTED EVOLUTION FOR CHEMICAL BIOLOGY CHEMICAL BIOLOGY OF CELLULAR METABOLISM CHEMICAL BIOLOGY OF LIPIDS AND PROTEIN POST TRANSLATIONAL MODIFICATIONS CHEMICAL GLYCOBIOLOGY CHEMICAL AND ENZYMATIC MODIFICATION OF PROTEINS GENETIC CODE EXPANSION BIO ORTHOGONAL CHEMISTRY AND CELLULAR IMAGING WITH ITS BROAD SCOPE AND FOCUS ON TURNING CONCEPTS INTO APPLICATIONS ADVANCED CHEMICAL BIOLOGY IS AN EXCELLENT STARTING POINT FOR ANYONE ENTERING THE FIELD AND LOOKING FOR A GUIDE TO THE WIDE RANGE OF AVAILABLE METHODS AND STRATEGIES THAT CHEMICAL BIOLOGY HAS TO OFFER WITH A FOREWORD BY NOBEL LAUREATE CAROLYN BERTOZZI

ESSENTIAL FISH BIOLOGY 2017

ESSENTIAL FISH BIOLOGY PROVIDES AN INTRODUCTORY OVERVIEW OF THE FUNCTIONAL BIOLOGY OF FISH AND HOW THIS MAY BE AFFECTED BY THE WIDELY CONTRASTING HABITAT CONDITIONS WITHIN THE AQUATIC ENVIRONMENT IT DESCRIBES THE RECENT ADVANCES IN COMPARATIVE ANIMAL PHYSIOLOGY WHICH HAVE GREATLY INFLUENCED OUR UNDERSTANDING OF FISH FUNCTION AS WELL AS GENERATING QUESTIONS THAT HAVE YET TO BE RESOLVED FISH TAXA REPRESENT THE LARGEST NUMBER OF VERTEBRATES WITH OVER 25 000 EXTANT SPECIES HOWEVER MUCH OF OUR KNOWLEDGE APART FROM TAXONOMY AND HABITAT DESCRIPTIONS HAS BEEN BASED ON RELATIVELY FEW OF THEM USUALLY THOSE WHICH LIVE IN FRESH WATER AND OR ARE OF COMMERCIAL INTEREST UNFORTUNATELY THERE HAS ALSO BEEN A TENDENCY TO BASE OUR INTERPRETATION OF FISH PHYSIOLOGY ON THAT OF MAMMALIAN SYSTEMS AS WELL AS TO RELY ON A FEW TYPE SPECIES OF FISH THIS ACCESSIBLE TEXTBOOK WILL REDRESS THE BALANCE BY USING EXAMPLES OF FISH FROM A WIDE RANGE OF SPECIES AND HABITATS EMPHASIZING DIVERSITY AS WELL AS RECOGNIZING SHARED ATTRIBUTES WITH OTHER VERTEBRATES

INTERNATIONAL REVIEW OF CELL AND MOLECULAR BIOLOGY 2016-05-26

INTERNATIONAL REVIEW OF CELL AND MOLECULAR BIOLOGY PRESENTS COMPREHENSIVE REVIEWS AND CURRENT ADVANCES IN CELL AND MOLECULAR BIOLOGY AND INCLUDES ARTICLES THAT ADDRESS THE STRUCTURE AND CONTROL OF GENE EXPRESSION NUCLEOCYTOPLASMIC INTERACTIONS CONTROL OF CELL DEVELOPMENT AND DIFFERENTIATION AND CELL TRANSFORMATION AND GROWTH THE SERIES HAS A WORLDWIDE READERSHIP MAINTAINING A HIGH STANDARD BY PUBLISHING INVITED ARTICLES ON IMPORTANT AND TIMELY TOPICS AUTHORED BY PROMINENT CELL AND MOLECULAR BIOLOGISTS PROVIDES COMPREHENSIVE REVIEWS AND CURRENT ADVANCES PRESENTS A WIDE RANGE OF PERSPECTIVES ON SPECIFIC SUBJECTS VALUABLE REFERENCE MATERIAL FOR ADVANCED UNDERGRADUATES GRADUATE STUDENTS AND PROFESSIONAL SCIENTISTS

CELL BIOLOGY AND TRANSLATIONAL MEDICINE, VOLUME 3 *2018-11-28*

MUCH RESEARCH HAS FOCUSED ON THE BASIC CELLULAR AND MOLECULAR BIOLOGICAL ASPECTS OF STEM CELLS MUCH OF THIS RESEARCH HAS BEEN FUELED BY THEIR POTENTIAL FOR USE IN REGENERATIVE MEDICINE APPLICATIONS WHICH HAS IN TURN SPURRED GROWING NUMBERS OF TRANSLATIONAL AND CLINICAL STUDIES HOWEVER MORE WORK IS NEEDED IF THE POTENTIAL IS TO BE REALIZED FOR IMPROVEMENT OF THE LIVES AND WELL BEING OF PATIENTS WITH NUMEROUS DISEASES AND CONDITIONS THIS BOOK SERIES CELL BIOLOGY AND TRANSLATIONAL MEDICINE CBTMED AS PART OF SPRINGER NATURE'S LONGSTANDING AND VERY SUCCESSFUL ADVANCES IN EXPERIMENTAL MEDICINE AND BIOLOGY BOOK SERIES HAS THE GOAL TO ACCELERATE ADVANCES BY TIMELY INFORMATION EXCHANGE EMERGING AREAS OF REGENERATIVE MEDICINE AND TRANSLATIONAL ASPECTS OF STEM CELLS ARE COVERED IN EACH VOLUME OUTSTANDING RESEARCHERS ARE RECRUITED TO HIGHLIGHT DEVELOPMENTS AND REMAINING CHALLENGES IN BOTH THE BASIC RESEARCH AND CLINICAL ARENAS THIS CURRENT BOOK IS THE THIRD VOLUME OF A CONTINUING SERIES

NEW DEVELOPMENTS IN BIOLOGICAL AND CHEMICAL TERRORISM COUNTERMEASURES *2016-02-17*

A SCIENCE BASED TEXT NEW DEVELOPMENTS IN BIOLOGICAL AND CHEMICAL TERRORISM COUNTERMEASURES PRESENTS RESEARCH THAT ADDRESSES THE GROWING THREAT OF CHEMICAL AND BIOLOGICAL TERRORISM AS WELL AS THE NEED FOR IMPROVEMENTS IN THE IMPLEMENTATION OF COUNTERMEASURES THIS NEW TEXTBOOK BUILDING UPON ADVANCES IN BIOLOGICAL AND CHEMICAL TERRORISM COUNTERMEASURES

OCEANOGRAPHY AND MARINE BIOLOGY *2019-08-02*

OCEANOGRAPHY AND MARINE BIOLOGY AN ANNUAL REVIEW REMAINS ONE OF THE MOST CITED SOURCES IN MARINE SCIENCE AND OCEANOGRAPHY THE EVER INCREASING INTEREST IN WORK IN OCEANOGRAPHY AND MARINE BIOLOGY AND ITS RELEVANCE TO GLOBAL ENVIRONMENTAL ISSUES ESPECIALLY GLOBAL CLIMATE CHANGE AND ITS IMPACTS CREATES A DEMAND FOR AUTHORITATIVE REVIEWS SUMMARIZING THE RESULTS OF RECENT RESEARCH THIS VOLUME COVERS TOPICS THAT INCLUDE RESTING CYSTS FROM COASTAL MARINE PLANKTON FACILITATION CASCADES IN MARINE ECOSYSTEMS AND THE WAY THAT HUMAN ACTIVITIES ARE RAPIDLY ALTERING THE SENSORY LANDSCAPE AND BEHAVIOUR OF MARINE ANIMALS FOR MORE THAN 50 YEARS OMBAR HAS BEEN AN ESSENTIAL REFERENCE FOR RESEARCH WORKERS AND STUDENTS IN ALL FIELDS OF MARINE SCIENCE FROM VOLUME 57 A NEW INTERNATIONAL EDITORIAL BOARD ENSURES GLOBAL RELEVANCE WITH EDITORS FROM THE UK IRELAND CANADA AUSTRALIA AND SINGAPORE THE SERIES VOLUMES FIND A PLACE IN THE LIBRARIES OF NOT ONLY MARINE LABORATORIES AND INSTITUTES BUT ALSO UNIVERSITIES PREVIOUS VOLUME IMPACT FACTORS INCLUDE VOLUME 53 4 545 VOLUME 54 7 000 VOLUME 55 5 071 GUIDELINES FOR CONTRIBUTORS INCLUDING INFORMATION ON ILLUSTRATION REQUIREMENTS CAN BE DOWNLOADED ON THE DOWNLOADS UPDATES TAB ON THE VOLUME 5 CRC PRESS WEBPAGE CHAPTERS 2 3 4 5 6 AND 7 OF THIS BOOK ARE FREELY AVAILABLE AS DOWNLOADABLE OPEN ACCESS PDFS AT TAYLORFRANCIS.COM UNDER A CREATIVE COMMONS ATTRIBUTION NON COMMERCIAL NO DERIVATIVES CC BY NC ND 4.0 LICENSE

THE BEHAVIOURAL BIOLOGY OF CHICKENS *2015-05-28*

CHICKENS ARE BY FAR THE WORLD'S MOST WIDELY FARMED ANIMAL KEPT FOR BOTH MEAT AND EGG PRODUCTION THEY ARE AT THE CENTRE OF MANY DEBATES REGARDING HOUSING AND PRODUCTION SYSTEMS CAUSING SIGNIFICANT INTEREST IN WHAT LIES BEHIND CHICKEN BEHAVIOUR THIS ACCESSIBLE BOOK COVERS SENSORY BIOLOGY BEHAVIOURAL DEVELOPMENT PREFERENCES AND AVERSIONS SOCIAL BEHAVIOUR LEARNING AND COGNITION BEHAVIOURAL ISSUES IN DIFFERENT SYSTEMS AND SOLUTIONS FOR BEHAVIOURAL PROBLEMS AUTHORED BY AN AUTHORITY ON CHICKEN ETHOLOGY IT BRINGS TOGETHER THE FIELDS OF ANIMAL BEHAVIOUR NEUROSCIENCE PSYCHOLOGY AND EPIDEMIOLOGY TO PROVIDE A COMPREHENSIVE UNDERSTANDING OF CHICKEN BEHAVIOUR AND HELP IMPROVE THE LIVES OF FARMED CHICKENS AROUND THE WORLD

SYSTEMS BIOLOGY OF MARINE ECOSYSTEMS *2017-10-17*

THIS BOOK DESCRIBES THE LATEST ADVANCES IN SYSTEMS BIOLOGY IN FOUR PLANT BASED MARINE ECOSYSTEMS SEA WEEDS SEAGRASSES MICROALGAE AND CORALS MARINE ORGANISMS THAT INHABIT THE OCEANIC ENVIRONMENT EXPERIENCE A DIVERSE RANGE OF ENVIRONMENTAL FLUCTUATIONS ANTHROPOGENIC STRESS AND THREATS FROM INVASIVE SPECIES AND PATHOGENS SYSTEM BIOLOGY INTEGRATES PHYSIOLOGY GENOMICS TRANSCRIPTOMICS PROTEOMICS AND METABOLOMICS INTO NUMERICAL MODELS AND IS EMERGING AS AN IMPORTANT APPROACH TO ELUCIDATE THE FUNCTIONAL ADAPTATIONS OF MARINE ORGANISMS TO ADVERSE ENVIRONMENTAL CONDITIONS THIS BOOK FOCUSES ON HOW ECOPHYSIOLOGY OMICS PLATFORMS THEIR INTEGRATION A SYSTEMS BIOLOGY PERSPECTIVE AND NEXT GENERATION SEQUENCING TOOLS ARE BEING USED TO ADDRESS THE STRESS RESPONSE OF MARINE SEA WEEDS SEAGRASSES CORALS MARINE MICROBE DIVERSITY AND MICRO AND MACROALGAE CORALS BACTERIAL INTERACTIONS TO GLOBAL CLIMATE CHANGE AND ANTHROPOGENIC ACTIVITIES THE CONTENTS OF THE BOOK ARE OF SPECIAL INTEREST TO GRADUATE

2023-01-26

3/12

SMARTY PANTS GRADE 1 120 BRAIN BUILDING CARDS WITH
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AND POSTGRADUATE MARINE BIOLOGY STUDENTS AND MARINE BIOLOGY RESEARCHERS PARTICULARLY THOSE INTERESTED IN MARINE ECOLOGY STRESS PHYSIOLOGY OF MARINE MACROPHYTES CORALS PHYTOPLANKTON AND ENVIRONMENTAL MICROBIOLOGY THIS BOOK WOULD ALSO BE OF INTEREST TO MARINE ENGINEERS ENGAGED IN THE MANAGEMENT AND CONSERVATION OF OUR VALUABLE MARINE RESOURCES

ENCYCLOPEDIA OF CELL BIOLOGY 2015-08-07

THE ENCYCLOPEDIA OF CELL BIOLOGY FOUR VOLUME SET OFFERS A BROAD OVERVIEW OF CELL BIOLOGY OFFERING REPUTABLE FOUNDATIONAL CONTENT FOR RESEARCHERS AND STUDENTS ACROSS THE BIOLOGICAL AND MEDICAL SCIENCES THIS IMPORTANT WORK INCLUDES 285 ARTICLES FROM DOMAIN EXPERTS COVERING EVERY ASPECT OF CELL BIOLOGY WITH FULLY ANNOTATED FIGURES ABUNDANT ILLUSTRATIONS VIDEOS AND REFERENCES FOR FURTHER READING EACH ENTRY IS BUILT WITH A LAYERED APPROACH TO THE CONTENT PROVIDING BASIC INFORMATION FOR THOSE NEW TO THE AREA AND MORE DETAILED MATERIAL FOR THE MORE EXPERIENCED RESEARCHER WITH AUTHORED CONTRIBUTIONS BY EXPERTS IN THE FIELD THE ENCYCLOPEDIA OF CELL BIOLOGY PROVIDES A FULLY CROSS REFERENCED ONE STOP RESOURCE FOR STUDENTS RESEARCHERS AND TEACHING FACULTY ACROSS THE BIOLOGICAL AND MEDICAL SCIENCES FULLY ANNOTATED COLOR IMAGES AND VIDEOS FOR FULL COMPREHENSION OF CONCEPTS WITH LAYERED CONTENT FOR READERS FROM DIFFERENT LEVELS OF EXPERIENCE INCLUDES INFORMATION ON CYTOKINESIS CELL BIOLOGY CELL MECHANICS CYTOSKELETON DYNAMICS STEM CELLS PROKARYOTIC CELL BIOLOGY RNA BIOLOGY AGING CELL GROWTH CELL INJURY AND MORE IN DEPTH LINKING TO ACADEMIC PRESS ELSEVIER CONTENT AND ADDITIONAL LINKS TO OUTSIDE WEBSITES AND RESOURCES FOR FURTHER READING A ONE STOP RESOURCE FOR STUDENTS RESEARCHERS AND TEACHING FACULTY ACROSS THE BIOLOGICAL AND MEDICAL SCIENCES

ADVANCES IN ANIMAL BIOTECHNOLOGY 2019-07-09

THIS BOOK ENTITLED ADVANCES IN ANIMAL BIOTECHNOLOGY IS A COMPILATION OF STATE OF THE ART IN THE FIELD OF ANIMAL BIOTECHNOLOGY INCLUDING FISHERY THAT ARE NOT SHELTERED IN DEPTH IN EARLIER PUBLICATIONS IT OFFERS AN UPDATE ON AVANT GARDE TECHNOLOGIES AND ADVANCES IN KEY ASPECTS OF GENETIC ENGINEERING METAGENOMICS ASSISTED REPRODUCTION ANIMAL GENOMICS BIOTECHNOLOGY IN VETERINARY HEALTH AS WELL AS THE ROLE OF GUT AND MARINE MICROBIAL ECOSYSTEMS IN LIVESTOCK AND INDUSTRIAL DEVELOPMENT THE BOOK IS DIVIDED BROADLY INTO FIVE DIFFERENT SECTIONS VIZ GUT MICROBIOME AND NUTRITIONAL BIOTECHNOLOGY ASSISTED REPRODUCTION BIOTECHNOLOGY LIVESTOCK GENOMICS HEALTH BIOTECHNOLOGY AND ANIMAL BIOTECHNOLOGY IN GLOBAL PERSPECTIVE THE BOOK COVERS THE SYLLABI OF ANIMAL BIOTECHNOLOGY COURSES IN VARIOUS UNIVERSITIES ACADEMIA AND COMPETITIVE EXAMINATIONS AT VARIOUS LEVELS RESEARCHERS CONTINUING GRADUATES AND ACADEMICIANS RESEARCH INSTITUTIONS AND BIOTECH COMPANIES WILL BE BENEFITED FROM THIS VALUABLE COMPILATION OF RESEARCH ITS BROAD SPECTRUM MAKES THIS WORK A VALUABLE RESOURCE FOR PROFESSIONALS RESEARCHERS ACADEMICS AND STUDENTS IN THE FIELD OF VETERINARY AND ANIMAL PRODUCTION AS WELL AS THE BIOTECHNOLOGY INDUSTRY

MESOPHOTIC CORAL ECOSYSTEMS 2019-05-22

THIS BOOK SUMMARIZES WHAT IS KNOWN ABOUT MESOPHOTIC CORAL ECOSYSTEMS MCEs GEOGRAPHICALLY AND BY MAJOR TAXA MCEs ARE CHARACTERIZED BY LIGHT DEPENDENT CORALS AND ASSOCIATED COMMUNITIES TYPICALLY FOUND AT DEPTHS RANGING FROM 30 40 M AND EXTENDING TO OVER 150 M IN TROPICAL AND SUBTROPICAL ECOSYSTEMS THEY ARE POPULATED WITH ORGANISMS TYPICALLY ASSOCIATED WITH SHALLOW CORAL REEFS SUCH AS MACROALGAE CORALS SPONGES AND FISHES AS WELL AS SPECIALIST SPECIES UNIQUE TO MESOPHOTIC DEPTHS DURING THE PAST DECADE THERE HAS BEEN AN INCREASING SCIENTIFIC AND MANAGEMENT INTEREST IN MCEs EXPRESSED BY THE EXPONENTIAL INCREASE IN THE NUMBER OF PUBLICATIONS STUDYING THIS UNIQUE ENVIRONMENT DESPITE THEIR CLOSE PROXIMITY TO WELL STUDIED SHALLOW REEFS AND THE GROWING EVIDENCE OF THEIR IMPORTANCE OUR SCIENTIFIC KNOWLEDGE OF MCEs IS STILL IN ITS EARLY STAGES THE TOPICS COVERED IN THE BOOK INCLUDE REGIONAL VARIATION IN MCEs SIMILARITIES AND DIFFERENCES BETWEEN MESOPHOTIC AND SHALLOW REEF TAXA BIOTIC AND ABIOTIC CONDITIONS BIODIVERSITY ECOLOGY GEOMORPHOLOGY AND GEOLOGY POTENTIAL CONNECTIVITY BETWEEN MCEs AND SHALLOW REEFS MCE DISTURBANCES CONSERVATION AND MANAGEMENT CHALLENGES AND NEW TECHNOLOGIES KEY RESEARCH QUESTIONS KNOWLEDGE GAPS PRIORITIES AND FUTURE DIRECTIONS IN MCE RESEARCH

MOLECULAR BIOLOGY AND BIOTECHNOLOGY 2015-11-09

ONE OF THE EXCITING ASPECTS OF BEING INVOLVED IN THE FIELD OF MOLECULAR BIOLOGY IS THE EVER ACCELERATING RATE OF PROGRESS BOTH IN THE DEVELOPMENT OF NEW METHODOLOGIES AND THE PRACTICAL APPLICATIONS OF THESE METHODOLOGIES THIS POPULAR TEXTBOOK HAS BEEN COMPLETELY REVISED AND UPDATED TO PROVIDE A COMPREHENSIVE OVERVIEW AND TO REFLECT KEY DEVELOPMENTS IN THIS RAPIDLY EXPANDING AREA CHAPTERS ON THE IMPACT OF MOLECULAR BIOLOGY IN THE DEVELOPMENT OF BIOTECHNOLOGY HAVE BEEN FULLY UPDATED AND INCLUDE THE

APPLICATIONS OF MOLECULAR BIOLOGY IN THE AREAS OF DIAGNOSTICS BIOSENSORS AND BIOMARKERS THERAPEUTICS AGRICULTURAL BIOTECHNOLOGY AND VACCINES THE FIRST SIX CHAPTERS DEAL WITH THE TECHNOLOGY USED IN CURRENT MOLECULAR BIOLOGY AND BIOTECHNOLOGY THESE PRIMARILY DEAL WITH CORE NUCLEIC ACID TECHNIQUES GENOMICS PROTEOMICS AND RECOMBINANT PROTEIN PRODUCTION FURTHER CHAPTERS ADDRESS MAJOR ADVANCES IN THE APPLICATIONS OF MOLECULAR BIOTECHNOLOGY BY PRESENTING INFORMATION IN AN EASILY ASSIMILATED FORM THIS BOOK MAKES AN IDEAL UNDERGRADUATE TEXT MOLECULAR BIOLOGY AND BIOTECHNOLOGY 6TH EDITION WILL BE OF PARTICULAR INTEREST TO STUDENTS OF BIOLOGY AND CHEMISTRY AS WELL AS TO POSTGRADUATES AND OTHER SCIENTIFIC WORKERS WHO NEED A SOUND INTRODUCTION TO THIS EVER RAPIDLY ADVANCING AND EXPANDING AREA

OCEANOGRAPHY AND MARINE BIOLOGY 2014-09-02

EVER INCREASING INTEREST IN OCEANOGRAPHY AND MARINE BIOLOGY AND THEIR RELEVANCE TO GLOBAL ENVIRONMENTAL ISSUES CREATES A DEMAND FOR AUTHORITATIVE REVIEWS SUMMARISING THE RESULTS OF RECENT RESEARCH OCEANOGRAPHY AND MARINE BIOLOGY AN ANNUAL REVIEW HAS CATERED TO THIS DEMAND SINCE ITS FOUNDING BY THE LATE HAROLD BARNES FIFTY YEARS AGO ITS OBJECTIVES ARE TO CONSIDER ANNUALLY THE BASIC AREAS OF MARINE RESEARCH RETURNING TO THEM WHEN APPROPRIATE IN FUTURE VOLUMES TO DEAL WITH SUBJECTS OF SPECIAL AND TOPICAL IMPORTANCE AND TO ADD NEW SUBJECTS AS THEY ARISE THE FAVOURABLE RECEPTION ACCORDED TO ALL THE VOLUMES SHOWS THAT THE SERIES IS FULFILLING A VERY REAL NEED REVIEWS AND SALES HAVE BEEN GRATIFYING THE FIFTY SECOND VOLUME FOLLOWS CLOSELY THE OBJECTIVES AND STYLE OF THE EARLIER VOLUMES CONTINUING TO REGARD THE MARINE SCIENCES WITH ALL THEIR VARIOUS ASPECTS AS A UNITY PHYSICAL CHEMICAL AND BIOLOGICAL ASPECTS OF MARINE SCIENCE ARE DEALT WITH BY EXPERTS ACTIVELY ENGAGED IN THESE FIELDS THE SERIES IS AN ESSENTIAL REFERENCE TEXT FOR RESEARCHERS AND STUDENTS IN ALL FIELDS OF MARINE SCIENCE AND RELATED SUBJECTS AND IT FINDS A PLACE IN LIBRARIES OF NOT ONLY MARINE STATIONS AND INSTITUTES BUT ALSO UNIVERSITIES IT IS CONSISTENTLY AMONG THE HIGHEST RANKING IMPACT FACTORS FOR THE MARINE BIOLOGY CATEGORY OF THE CITATION INDICES COMPILED BY THE INSTITUTE FOR SCIENTIFIC INFORMATION

ORGANOFLUORINE COMPOUNDS IN BIOLOGY AND MEDICINE 2015-01-25

THIS BOOK COVERS TOPICS ON BIOCHEMICALLY RELEVANT ORGANOFLUORINE COMPOUNDS AND THEIR SYNTHESIS AND BIOCHEMICAL PATHWAYS ORGANOFLUORINE COMPOUNDS HAVE RENEWED INTEREST IN PHARMACEUTICAL INDUSTRY AND THEREFORE A CONCISE BOOK ON THIS TOPIC IS HIGHLY RELEVANT TO THE SCIENTIFIC COMMUNITY INVOLVED IN THIS AREA COVERS THE SYNTHESIS BIOCHEMICAL AND THERAPEUTIC APPLICATIONS OF ORGANOFLUORINE COMPOUNDS OFFERS A COMPLETE TEXT ON BIOCHEMICALLY RELEVANT ORGANOFLUORINE COMPOUNDS AND THEIR SYNTHESIS AND MECHANISTIC PATHWAYS PROVIDES ONE OF THE FIRST MAJOR REFERENCE BOOKS ON THE BIOLOGICAL AND MEDICINAL APPLICATIONS OF ORGANOFLUORINE CHEMISTRY

MOLECULAR BIOLOGY OF EYE DISEASE 2015-08-13

THIS VOLUME OF PROGRESS IN MOLECULAR BIOLOGY AND TRANSLATIONAL SCIENCE FOCUSES ON THE MOLECULAR BIOLOGY OF EYE DISEASE CONTRIBUTIONS FROM LEADING AUTHORITIES INFORMS AND UPDATES ON ALL THE LATEST DEVELOPMENTS IN THE FIELD

THE SOCIAL BIOLOGY OF MICROBIAL COMMUNITIES 2013-01-10

BEGINNING WITH THE GERM THEORY OF DISEASE IN THE 19TH CENTURY AND EXTENDING THROUGH MOST OF THE 20TH CENTURY MICROBES WERE BELIEVED TO LIVE THEIR LIVES AS SOLITARY UNICELLULAR DISEASE CAUSING ORGANISMS THIS PERCEPTION STEMMED FROM THE FOCUS OF MOST INVESTIGATORS ON ORGANISMS THAT COULD BE GROWN IN THE LABORATORY AS CELLULAR MONOCULTURES OFTEN DISPERSED IN LIQUID AND UNDER AMBIENT CONDITIONS OF TEMPERATURE LIGHTING AND HUMIDITY MOST SUCH INQUIRIES WERE DESIGNED TO IDENTIFY MICROBIAL PATHOGENS BY SATISFYING KOCH'S POSTULATES 3 THIS PATHOGEN CENTRIC APPROACH TO THE STUDY OF MICROORGANISMS PRODUCED A METAPHORICAL WAR AGAINST THESE MICROBIAL INVADERS WAGED WITH ANTIBIOTIC THERAPIES WHILE SIMULTANEOUSLY OBSCURING THE DYNAMIC RELATIONSHIPS THAT EXIST AMONG AND BETWEEN HOST ORGANISMS AND THEIR ASSOCIATED MICROORGANISMS ONLY A TINY FRACTION OF WHICH ACT AS PATHOGENS DESPITE THEIR OBVIOUS IMPORTANCE VERY LITTLE IS ACTUALLY KNOWN ABOUT THE PROCESSES AND FACTORS THAT INFLUENCE THE ASSEMBLY FUNCTION AND STABILITY OF MICROBIAL COMMUNITIES GAINING THIS KNOWLEDGE WILL REQUIRE A SEISMIC SHIFT AWAY FROM THE STUDY OF INDIVIDUAL MICROBES IN ISOLATION TO INQUIRIES INTO THE NATURE OF DIVERSE AND OFTEN COMPLEX MICROBIAL COMMUNITIES THE FORCES THAT SHAPE THEM AND THEIR RELATIONSHIPS WITH OTHER COMMUNITIES AND ORGANISMS INCLUDING THEIR MULTICELLULAR HOSTS ON MARCH 6 AND 7 2012 THE INSTITUTE OF MEDICINE'S IOM'S FORUM ON MICROBIAL THREATS HOSTED A PUBLIC WORKSHOP TO EXPLORE THE EMERGING SCIENCE OF THE SOCIAL BIOLOGY OF MICROBIAL COMMUNITIES WORKSHOP PRESENTATIONS AND DISCUSSIONS EMBRACED A WIDE SPECTRUM OF TOPICS EXPERIMENTAL SYSTEMS AND THEORETICAL PERSPECTIVES REPRESENTATIVE OF THE CURRENT MULTIFACETED EXPLORATION OF THE MICROBIAL FRONTIER PARTICIPANTS DISCUSSED ECOLOGICAL EVOLUTIONARY AND GENETIC FACTORS

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CONTRIBUTING TO THE ASSEMBLY FUNCTION AND STABILITY OF MICROBIAL COMMUNITIES HOW MICROBIAL COMMUNITIES ADAPT AND RESPOND TO ENVIRONMENTAL STIMULI THEORETICAL AND EXPERIMENTAL APPROACHES TO ADVANCE THIS NASCENT FIELD AND POTENTIAL APPLICATIONS OF KNOWLEDGE GAINED FROM THE STUDY OF MICROBIAL COMMUNITIES FOR THE IMPROVEMENT OF HUMAN ANIMAL PLANT AND ECOSYSTEM HEALTH AND TOWARD A DEEPER UNDERSTANDING OF MICROBIAL DIVERSITY AND EVOLUTION THE SOCIAL BIOLOGY OF MICROBIAL COMMUNITIES WORKSHOP SUMMARY FURTHER EXPLAINS THE HAPPENINGS OF THE WORKSHOP

SYSTEMS BIOLOGY APPROACHES TO UNDERSTANDING THE CAUSE AND TREATMENT OF HEART, LUNG, BLOOD, AND SLEEP DISORDERS 2014-11-21

DEVELOPMENT OF POWERFUL NEW HIGH THROUGHPUT TECHNOLOGIES FOR PROBING THE TRANSCRIPTOME PROTEOME AND METABOLOME IS DRIVING THE RAPID ACQUISITION OF INFORMATION ON THE FUNCTION OF MOLECULAR SYSTEMS THE IMPORTANCE OF THESE ACHIEVEMENTS CANNOT BE UNDERSTATED THEY HAVE TRANSFORMED THE NATURE OF BOTH BIOLOGY AND MEDICINE DESPITE THIS DRAMATIC PROGRESS ONE OF THE GREATEST CHALLENGES THAT CONTINUES TO CONFRONT MODERN BIOLOGY IS TO UNDERSTAND HOW BEHAVIOR AT THE LEVEL OF GENOME PROTEOME AND METABOLOME DETERMINES PHYSIOLOGICAL FUNCTION AT THE LEVEL OF CELL TISSUE AND ORGAN IN BOTH HEALTH AND DISEASE BECAUSE OF THE INHERENT COMPLEXITY OF BIOLOGICAL SYSTEMS THE DEVELOPMENT ANALYSIS AND VALIDATION OF INTEGRATIVE COMPUTATIONAL MODELS BASED DIRECTLY ON EXPERIMENTAL DATA IS NECESSARY TO ACHIEVE THIS UNDERSTANDING THIS APPROACH KNOWN AS SYSTEMS BIOLOGY INTEGRATES COMPUTATIONAL AND EXPERIMENTAL APPROACHES THROUGH ITERATIVE DEVELOPMENT OF MATHEMATICAL MODELS AND EXPERIMENTAL VALIDATION AND TESTING THE COMBINATION OF THESE APPROACHES ALLOWS FOR A MECHANISTIC UNDERSTANDING OF THE FUNCTION OF COMPLEX BIOLOGICAL SYSTEMS IN HEALTH AND THEIR DYSFUNCTION IN DISEASE THE NATIONAL HEART LUNG AND BLOOD INSTITUTE NHLBI HAS RECOGNIZED THE IMPORTANCE OF THE SYSTEMS BIOLOGY APPROACH FOR UNDERSTANDING NORMAL PHYSIOLOGY AND PERTURBATIONS ASSOCIATED WITH HEART LUNG BLOOD AND SLEEP DISEASES AND DISORDERS IN 2006 NHLBI ANNOUNCED THE EXPLORATORY PROGRAM IN SYSTEMS BIOLOGY FOLLOWED IN 2010 BY THE NHLBI SYSTEMS BIOLOGY COLLABORATIONS THE GOAL OF THESE PROGRAMS IS TO SUPPORT COLLABORATIVE TEAMS OF INVESTIGATORS IN USING EXPERIMENTAL AND COMPUTATIONAL STRATEGIES TO INTEGRATE THE COMPONENT PARTS OF BIOLOGICAL NETWORKS AND PATHWAYS INTO COMPUTATIONAL MODELS THAT ARE BASED FIRMLY ON AND VALIDATED USING EXPERIMENTAL DATA THESE VALIDATED MODELS ARE THEN APPLIED TO GAIN INSIGHTS INTO THE MECHANISMS OF ALTERED SYSTEM FUNCTION IN DISEASE TO GENERATE NOVEL HYPOTHESES REGARDING THESE MECHANISMS THAT CAN BE TESTED EXPERIMENTALLY AND TO THEN USE THE RESULTS OF EXPERIMENTS TO REFINE THE MODELS THE PURPOSE OF THIS RESEARCH TOPIC IS TO PRESENT THE RANGE OF INNOVATIVE NEW APPROACHES BEING DEVELOPED BY INVESTIGATORS WORKING IN AREAS OF SYSTEMS BIOLOGY THAT COUPLE EXPERIMENTAL AND MODELING STUDIES TO UNDERSTAND THE CAUSE AND POSSIBLE TREATMENT OF HEART LUNG BLOOD AND SLEEP DISEASES AND DISORDERS THIS RESEARCH TOPIC WILL BE OF GREAT INTEREST TO THE CARDIOVASCULAR RESEARCH COMMUNITY AS WELL AS TO THE GENERAL COMMUNITY OF SYSTEMS BIOLOGISTS

BIOLOGICAL CONTROL 2021-10

BIOLOGICAL CONTROL GLOBAL IMPACTS CHALLENGES AND FUTURE DIRECTIONS OF PEST MANAGEMENT PROVIDES A HISTORICAL SUMMARY OF ORGANISMS AND MAIN STRATEGIES USED IN BIOLOGICAL CONTROL AS WELL AS THE KEY CHALLENGES CONFRONTING BIOLOGICAL CONTROL IN THE 21ST CENTURY BIOLOGICAL CONTROL HAS BEEN IMPLEMENTED FOR MILLENNIA INITIALLY PRACTISED BY GROWERS MOVING BENEFICIAL SPECIES FROM ONE LOCAL AREA TO ANOTHER TODAY BIOLOGICAL CONTROL HAS EVOLVED INTO A FORMAL SCIENCE THAT PROVIDES ECOSYSTEM SERVICES TO PROTECT THE ENVIRONMENT AND THE RESOURCES USED BY HUMANITY WITH CONTRIBUTIONS FROM DEDICATED SCIENTISTS AND PRACTITIONERS FROM AROUND THE WORLD THIS COMPREHENSIVE BOOK HIGHLIGHTS IMPORTANT SUCCESSES FAILURES AND CHALLENGES IN BIOLOGICAL CONTROL EFFORTS IT ADVOCATES THAT BIOLOGICAL CONTROL MUST BE VIEWED AS A GLOBAL ENDEAVOUR AND PROVIDES SUGGESTIONS TO MOVE PRACTICES FORWARD IN A CHANGING WORLD BIOLOGICAL CONTROL IS AN INVALUABLE RESOURCE FOR CONSERVATION SPECIALISTS PEST MANAGEMENT PRACTITIONERS AND THOSE WHO RESEARCH INVASIVE SPECIES AS WELL AS STUDENTS STUDYING PEST MANAGEMENT SCIENCE

THREATENED AND RECENTLY EXTINCT VERTEBRATES OF THE WORLD 2023-03-09

HABITAT LOSS AND DEGRADATION ARE CURRENTLY THE MAIN ANTHROPOGENIC CAUSES OF SPECIES EXTINCTIONS THE ROOT CAUSE IS HUMAN OVERPOPULATION THIS UNIQUE VOLUME PROVIDES FOR THE VERY FIRST TIME A COMPREHENSIVE OVERVIEW OF ALL THREATENED AND RECENTLY EXTINCT MAMMALS BIRDS REPTILES AMPHIBIANS AND FISHES WITHIN THE CONTEXT OF THEIR LOCATIONS AND HABITATS THE APPROACH TAKES A SYSTEMATIC EXAMINATION OF EACH BIOGEOGRAPHIC REALM AND REGION OF THE WORLD BOTH TERRESTRIAL AND MARINE BUT WITH A PARTICULAR EMPHASIS ON GEOGRAPHIC FEATURES SUCH AS MOUNTAINS ISLANDS AND CORAL REEFS IT REVEALS PATTERNS USEFUL IN BIODIVERSITY CONSERVATION HELPS TO PUT IT ALL INTO PERSPECTIVE AND ULTIMATELY SERVES AS BOTH A BASELINE FROM WHICH TO COMPARE SUBSEQUENT DEVELOPMENTS AS WELL AS A STANDARDIZATION OF THE WAY THREATENED SPECIES ARE STUDIED

THEORETICAL PRINCIPLES OF RELATIONAL BIOLOGY *2023-09-27*

THIS BOOK PROPOSES THE FOUNDATION OF THE RELATIONAL APPROACH TO BIOLOGY REJECTING THE DETERMINISTIC AND REDUCTIONIST APPROACH OF MOLECULAR BIOLOGY ALTHOUGH BIOLOGY HAS MADE ENORMOUS PROGRESS IN THE LAST SEVENTY YEARS ONTO GENESIS IS STILL CONCEIVED AS A REVELATION OF INFORMATION DNA RECOVERING THE GEOMETRIC TRADITION RELATIONAL BIOLOGY CONCEIVES SCIENTIFIC AND EPISTEMOLOGICAL TOOLS CAUSE PROBABILITY SPACE ETC OF SCIENCE IN A NEW WAY IF PROBABILISTIC BIOLOGY AND ORGANICISM STILL PROPOSES A BIOLOGY BASED ON PHYSICS WITH A FUNDAMENTAL INVARIANT RELATIONAL BIOLOGY IS BASED ON VARIATION ITS FUNDAMENTAL INVARIANT IS VARIATION ONE OF THE MOST IMPORTANT ELEMENTS OF LIFE THIS IS AN INDISPENSABLE BOOK FOR ACADEMICS WHO CONSIDER BIOLOGY FROM A NEW THEORETICAL APPROACH IN PARTICULAR FOR THOSE WORKING IN THE DOMAINS OF CANCER ONTOGENESIS AND EVOLUTION

THE SCIENCE OF SUBJECTIVITY 2015-04-02

CAN NEUROSCIENCE HELP EXPLAIN THE FIRST PERSON PERSPECTIVE THE SCIENCE OF SUBJECTIVITY DELVES INTO THE NATURE OF EXPERIENCE ARGUING THAT UNCONSCIOUS SUBJECTIVITY IS A REALITY NEISSER IDENTIFIES THE BIOLOGICAL ROOTS OF THE FIRST PERSON SHOWING HOW ANCIENT SYSTEMS OF ANIMAL NAVIGATION ENABLE CREATURES LIKE US TO COPE WITH OUR WORLDLY CONCERNS

BUTTERFLY BIOLOGY SYSTEMS *2020-10-07*

IN BUTTERFLY BIOLOGY SYSTEMS ROGER DENNIS EXPLORES KEY TOPICS AND CONTENTIOUS ISSUES IN BUTTERFLY BIOLOGY SPECIFICALLY THOSE IN LIFE HISTORY AND BEHAVIOUR UNIQUELY USING A SYSTEMS APPROACH THE BOOK FOCUSES ON THE DEGREE OF INTEGRATION AND FEEDBACK BETWEEN COMPONENTS AND ELEMENTS AFFECTING EACH ISSUE AS WELL AS THE LINKS BETWEEN DIFFERENT ISSUES THE BOOK COMPRISES FOUR SECTIONS THE FIRST TWO SECTIONS INTRODUCE THE READER TO PRINCIPLES AND APPROACHES FOR INVESTIGATING COMPLEX RELATIONSHIPS AND PROVIDE A PLATFORM OF KNOWLEDGE ON BUTTERFLY BIOLOGY THE FINAL TWO SECTIONS DEAL IN TURN WITH LIFE HISTORY AND BEHAVIOUR COVERING KEY ISSUES AFFECTING DIFFERENT STAGES OF DEVELOPMENT FROM EGGS TO ADULTS

THE WILEY HANDBOOK OF EVOLUTIONARY NEUROSCIENCE *2017-01-30*

COMPREHENSIVE AND AUTHORITATIVE THE WILEY HANDBOOK OF EVOLUTIONARY NEUROSCIENCE UNIFIES THE DIVERSE STRANDS OF AN INTERDISCIPLINARY FIELD EXPLORING THE EVOLUTION OF BRAINS AND COGNITION A COMPREHENSIVE REFERENCE THAT UNIFIES THE DIVERSE INTERESTS AND APPROACHES ASSOCIATED WITH THE NEUROSCIENTIFIC STUDY OF BRAIN EVOLUTION AND THE EMERGENCE OF COGNITION TACKLES SOME OF THE BIGGEST QUESTIONS IN NEUROSCIENCE INCLUDING WHAT BRAINS ARE FOR WHAT FACTORS CONSTRAIN THEIR BIOLOGICAL DEVELOPMENT AND HOW THEY EVOLVE AND INTERACT PROVIDES A BROAD AND BALANCED VIEW OF THE SUBJECT REVIEWING BOTH VERTEBRATE AND INVERTEBRATE ANATOMY AND EMPHASIZING THEIR SHARED ORIGINS AND MECHANISMS FEATURES CONTRIBUTIONS FROM HIGHLY RESPECTED SCHOLARS IN THEIR FIELDS

STEM CELL BIOLOGY AND TISSUE ENGINEERING IN DENTAL SCIENCES *2014-11-05*

STEM CELL BIOLOGY AND TISSUE ENGINEERING IN DENTAL SCIENCES BRIDGES THE GAP LEFT BY MANY TISSUE ENGINEERING AND STEM CELL BIOLOGY TITLES TO HIGHLIGHT THE SIGNIFICANCE OF TRANSLATIONAL RESEARCH IN THIS FIELD IN THE MEDICAL SCIENCES IT COMPILES BASIC DEVELOPMENTAL BIOLOGY WITH KEEN FOCUS ON CELL AND MATRIX BIOLOGY STEM CELLS WITH RELEVANCE TO TISSUE ENGINEERING BIOMATERIALS INCLUDING NANOTECHNOLOGY AND CURRENT APPLICATIONS IN VARIOUS DISCIPLINES OF DENTAL SCIENCES VIZ PERIODONTOLOGY ENDODONTICS ORAL CRANIOFACIAL SURGERY DENTAL IMPLANTOLOGY ORTHODONTICS DENTOFACIAL ORTHOPEDICS ORGAN ENGINEERING AND TRANSPLANT MEDICINE IN ADDITION IT COVERS RESEARCH ETHICS LAWS AND INDUSTRIAL PITFALLS THAT ARE OF PARTICULAR IMPORTANCE FOR THE FUTURE PRODUCTION OF TISSUE CONSTRUCTS TISSUE ENGINEERING IS AN INTERDISCIPLINARY FIELD OF BIOMEDICAL RESEARCH WHICH COMBINES LIFE ENGINEERING AND MATERIALS SCIENCES TO PROGRESS THE MAINTENANCE REPAIR AND REPLACEMENT OF DISEASED AND DAMAGED TISSUES THIS EVER EMERGING AREA OF RESEARCH APPLIES AN UNDERSTANDING OF NORMAL TISSUE PHYSIOLOGY TO DEVELOP NOVEL BIOMATERIAL ACELLULAR AND CELL BASED TECHNOLOGIES FOR CLINICAL AND NON CLINICAL APPLICATIONS AS EVIDENT IN NUMEROUS MEDICAL DISCIPLINES TISSUE ENGINEERING STRATEGIES ARE NOW BEING INCREASINGLY DEVELOPED AND EVALUATED AS POTENTIAL ROUTINE THERAPIES FOR ORAL AND CRANIOFACIAL TISSUE REPAIR AND REGENERATION DILIGENTLY COVERS ALL THE ASPECTS RELATED TO STEM CELL BIOLOGY AND TISSUE ENGINEERING IN DENTAL SCIENCES BASIC SCIENCE RESEARCH CLINICAL APPLICATION AND COMMERCIALIZATION PROVIDES DETAILED DESCRIPTIONS OF NEW MODERN TECHNOLOGIES FABRICATION TECHNIQUES EMPLOYED IN THE FIELDS OF STEM CELLS BIOMATERIALS AND TISSUE ENGINEERING RESEARCH INCLUDING DETAILS OF LATEST ADVANCES IN NANOTECHNOLOGY INCLUDES A DESCRIPTION OF STEM CELL BIOLOGY WITH DETAILS FOCUSED ON

2023-01-26

7/12

SMARTY PANTS GRADE 1 120 BRAIN BUILDING CARDS WITH

QUESTIONS PUZZLES AND GAMES

ORAL AND CRANIOFACIAL STEM CELLS AND THEIR POTENTIAL RESEARCH APPLICATION THROUGHOUT MEDICINE PRINT BOOK IS AVAILABLE AND BLACK AND WHITE AND THE EBOOK IS IN FULL COLOR

ENCYCLOPEDIA OF BONE BIOLOGY 2020-06-26

ENCYCLOPEDIA OF BONE BIOLOGY THREE VOLUME SET COVERS HOT TOPICS FROM WITHIN THE RAPIDLY EXPANDING FIELD OF BONE BIOLOGY AND SKELETAL RESEARCH ENABLING A COMPLETE UNDERSTANDING OF BOTH BONE PHYSIOLOGY AND ITS RELATION TO OTHER ORGANS AND PATHOPHYSIOLOGY THIS ENCYCLOPEDIA WILL SERVE AS A VITAL RESOURCE FOR THOSE INVOLVED IN BONE RESEARCH RESEARCH IN OTHER FIELDS THAT CROSS LINK WITH BONE SUCH AS METABOLISM AND IMMUNOLOGY AND PHYSICIANS WHO TREAT BONE DISEASES EACH ARTICLE PROVIDES A COMPREHENSIVE OVERVIEW OF THE SELECTED TOPIC TO INFORM A BROAD SPECTRUM OF READERS FROM ADVANCED UNDERGRADUATE STUDENTS TO RESEARCH PROFESSIONALS CHAPTERS ALSO EXPLORE THE LATEST ADVANCES AND HOT TOPICS THAT HAVE EMERGED IN RECENT YEARS INCLUDING THE HEMATOPOIETIC NICHE AND NUCLEAR RECEPTORS IN THE ELECTRONIC EDITION EACH CHAPTER WILL INCLUDE HYPERLINKED REFERENCES AND FURTHER READINGS AS WELL AS CROSS REFERENCES TO RELATED ARTICLES INCORPORATES PERSPECTIVES FROM EXPERTS WORKING WITHIN THE DOMAINS OF BIOMEDICINE INCLUDING PHYSIOLOGY PATHOBIOLOGY PHARMACOLOGY IMMUNOLOGY ENDOCRINOLOGY ORTHOPEDICS AND METABOLISM PROVIDES AN AUTHORITATIVE INTRODUCTION FOR NON SPECIALISTS AND READERS FROM UNDERGRADUATE LEVEL UPWARDS AS WELL AS UP TO DATE FOUNDATIONAL CONTENT FOR THOSE FAMILIAR WITH THE FIELD INCLUDES MULTIMEDIA FEATURES CROSS REFERENCES AND COLOR IMAGES VIDEOS

FREE RADICALS IN BIOLOGY AND MEDICINE 2015

FREE RADICALS IN BIOLOGY AND MEDICINE HAS BECOME A CLASSIC TEXT IN THE FIELD OF FREE RADICAL AND ANTIOXIDANT RESEARCH NOW IN ITS FIFTH EDITION THE BOOK HAS BEEN COMPREHENSIVELY REWRITTEN AND UPDATED WHILST MAINTAINING THE CLARITY OF ITS PREDECESSORS TWO NEW CHAPTERS DISCUSS IN VIVO AND DIETARY ANTIOXIDANTS THE FIRST EMPHASISING THE ROLE OF PEROXYREDOXINS AND INTEGRATED DEFENCE MECHANISMS WHICH ALLOW USEFUL ROLES FOR ROS AND THE SECOND CONTAINING NEW INFORMATION ON THE ROLE OF FRUITS VEGETABLES AND VITAMINS IN HEALTH AND DISEASE THIS NEW EDITION ALSO CONTAINS EXPANDED COVERAGE OF THE MECHANISMS OF OXIDATIVE DAMAGE TO LIPIDS DNA AND PROTEINS AND THE REPAIR OF SUCH DAMAGE AND THE ROLES PLAYED BY REACTIVE SPECIES IN SIGNAL TRANSDUCTION CELL SURVIVAL DEATH HUMAN REPRODUCTION DEFENCE MECHANISMS OF ANIMALS AND PLANTS AGAINST PATHOGENS AND OTHER IMPORTANT BIOLOGICAL EVENTS THE METHODOLOGIES AVAILABLE TO MEASURE REACTIVE SPECIES AND OXIDATIVE DAMAGE AND THEIR POTENTIAL PITFALLS HAVE BEEN FULLY UPDATED AS HAVE THE TOPICS OF PHAGOCYTE ROS PRODUCTION NADPH OXIDASE ENZYMES AND TOXICOLOGY THERE IS A DETAILED AND CRITICAL EVALUATION OF THE ROLE OF FREE RADICALS AND OTHER REACTIVE SPECIES IN HUMAN DISEASES ESPECIALLY CANCER CARDIOVASCULAR CHRONIC INFLAMMATORY AND NEURODEGENERATIVE DISEASES NEW ASPECTS OF AGEING ARE DISCUSSED IN THE CONTEXT OF THE FREE RADICAL THEORY OF AGEING THIS BOOK IS RECOMMENDED AS A COMPREHENSIVE INTRODUCTION TO THE FIELD FOR STUDENTS EDUCATORS CLINICIANS AND RESEARCHERS IT WILL ALSO BE AN INVALUABLE COMPANION TO ALL THOSE INTERESTED IN THE ROLE OF FREE RADICALS IN THE LIFE AND BIOMEDICAL SCIENCES

SYNTHETIC BIOLOGY 2014-09-27

SYNTHETIC BIOLOGY IS ALREADY AN OBJECT OF INTENSIVE DEBATE HOWEVER TO A GREAT EXTENT THE DISCUSSION TO DATE HAS BEEN CONCERNED WITH FUNDAMENTAL ETHICAL RELIGIOUS AND PHILOSOPHICAL QUESTIONS BY CONTRAST BASED ON AN INVESTIGATION OF THE FIELD S SCIENTIFIC AND TECHNOLOGICAL CHARACTER THIS BOOK FOCUSES ON NEW FUNCTIONALITIES PROVIDED BY SYNTHETIC BIOLOGY AND EXPLORES THE ASSOCIATED OPPORTUNITIES AND RISKS FOLLOWING AN INTRODUCTION TO THE SUBJECT AND A DISCUSSION OF THE MOST CENTRAL PARADIGMS AND METHODOLOGIES THE BOOK PROVIDES AN OVERVIEW OF THE STRUCTURE OF THIS FIELD OF SCIENCE AND TECHNOLOGY IT INFORMS THE READER ABOUT THE CURRENT STAGE OF DEVELOPMENT AS WELL AS TOPICAL PROBLEMS AND POTENTIAL OPPORTUNITIES IN IMPORTANT FIELDS OF APPLICATION BUT NOT ONLY THE SCIENCE ITSELF IS IN FOCUS IN ORDER TO INVESTIGATE ITS BROADER IMPACT ECOLOGICAL AS WELL AS ETHICAL IMPLICATIONS WILL BE CONSIDERED PAVING THE WAY FOR A DISCUSSION OF RESPONSIBILITIES IN THE CONTEXT OF A FIELD AT A TRANSITIONAL CROSSROADS BETWEEN BASIC AND APPLIED SCIENCE IN CLOSING THE REQUIREMENTS FOR A SUITABLE REGULATORY FRAMEWORK ARE DISCUSSED THE BOOK IS INTENDED AS A SOURCE OF INFORMATION AND ORIENTATION FOR RESEARCHERS STUDENTS AND PRACTITIONERS IN THE NATURAL SCIENCES AND TECHNOLOGY ASSESSMENT FOR MEMBERS OF SCIENTIFIC AND TECHNOLOGICAL GOVERNMENTAL AND FUNDING INSTITUTIONS AND FOR MEMBERS OF THE GENERAL PUBLIC INTERESTED IN ESSENTIAL INFORMATION ON THE CURRENT STATUS PROSPECTS AND IMPLICATIONS OF SYNTHETIC BIOLOGY

MICROFLUIDIC METHODS FOR MOLECULAR BIOLOGY 2016-05-14

THIS BOOK COVERS THE STATE OF THE ART RESEARCH ON MOLECULAR BIOLOGY ASSAYS AND MOLECULAR TECHNIQUES ENABLED OR ENHANCED BY MICROFLUIDIC PLATFORMS TOPICS COVERED INCLUDE MICROFLUIDIC METHODS FOR CELLULAR SEPARATIONS AND SINGLE CELL STUDIES DROPLET BASED APPROACHES TO STUDY PROTEIN EXPRESSION AND FORENSICS AND MICROFLUIDIC IN SITU

2023-01-26

8/12

SMARTY PANTS GRADE 1 120 BRAIN BUILDING CARDS WITH
QUESTIONS PUZZLES AND GAMES

HYBRIDIZATION FOR RNA ANALYSIS KEY MOLECULAR BIOLOGY STUDIES USING MODEL ORGANISMS ARE REVIEWED IN DETAIL THIS IS AN IDEAL BOOK FOR STUDENTS AND RESEARCHERS IN THE MICROFLUIDICS AND MOLECULAR BIOLOGY FIELDS AS WELL AS ENGINEERS WORKING IN THE BIOTECHNOLOGY INDUSTRY THIS BOOK ALSO REVIEWS EXHAUSTIVELY THE LATEST TECHNIQUES FOR SINGLE CELL GENETIC EPIGENETIC METABOLOMIC AND PROTEOMIC ANALYSIS ILLUSTRATES MICROFLUIDIC APPROACHES FOR INVERSE METABOLIC ENGINEERING AS WELL AS ANALYSIS OF CIRCULATING EXOSOMES BROADENS READERS UNDERSTANDING OF MICROFLUIDICS CONVECTION BASED PCR TECHNOLOGY MICROFLUIDIC RNA SEQ AND MICROFLUIDICS FOR ROBUST MOBILE DIAGNOSTICS

OPTICAL SPECTROSCOPY AND COMPUTATIONAL METHODS IN BIOLOGY AND MEDICINE 2013-12-05

THIS MULTI AUTHOR CONTRIBUTED VOLUME GIVES A COMPREHENSIVE OVERVIEW OF RECENT PROGRESS IN VARIOUS VIBRATIONAL SPECTROSCOPIC TECHNIQUES AND CHEMOMETRIC METHODS AND THEIR APPLICATIONS IN CHEMISTRY BIOLOGY AND MEDICINE IN ORDER TO MEET THE NEEDS OF READERS THE BOOK FOCUSES ON RECENT ADVANCES IN TECHNICAL DEVELOPMENT AND POTENTIAL EXPLOITATIONS OF THE THEORY AS WELL AS THE NEW APPLICATIONS OF VIBRATIONAL METHODS TO PROBLEMS OF RECENT GENERAL INTEREST THAT WERE DIFFICULT OR EVEN IMPOSSIBLE TO ACHIEVE IN THE NOT SO DISTANT PAST INTEGRATING VIBRATIONAL SPECTROSCOPY AND COMPUTATIONAL APPROACHES SERVES AS A HANDBOOK FOR PEOPLE PERFORMING VIBRATIONAL SPECTROSCOPY FOLLOWED BY CHEMOMETRIC ANALYSIS HENCE BOTH EXPERIMENTAL METHODS AS WELL AS PROCEDURES OF RECOMMENDED ANALYSIS ARE DESCRIBED THIS VOLUME IS WRITTEN FOR INDIVIDUALS WHO DEVELOP NEW METHODOLOGIES AND EXTEND THESE APPLICATIONS TO NEW REALMS OF CHEMICAL AND MEDICINAL INTEREST

PLASMONICS IN CHEMISTRY AND BIOLOGY 2019-05-13

OVER THE PAST DECADE PLASMONIC NANOPARTICLES HAVE BEEN THE SUBJECT OF EXTENSIVE RESEARCH OWING TO THEIR REMARKABLE OPTICAL PROPERTIES THESE PROPERTIES ARISE FROM A COLLECTIVE OSCILLATION OF THE CONDUCTIVE ELECTRONS AT THE NANOPARTICLE SURFACE UNDER LIGHT IRRADIATION KNOWN AS LOCALIZED SURFACE PLASMON LSP LSP IS CHARACTERIZED BY I A STRONG ABSORPTION AND SCATTERING OF THE LIGHT DEPENDING ON THE GEOMETRICAL PARAMETERS OF THE NANOPARTICLES AND II A STRONG AMPLIFICATION OF THE LOCAL FIELD IN THE VICINITY OF THE NANOPARTICLES QUITE RECENTLY IT WAS SHOWN THAT THE ACTIVATION AND THE INITIATION OF CHEMICAL REACTIONS OR PHYSICAL PROCESSES CAN BE FACILITATED USING LSP EXCITATION SUCH EXPLOITATION PRESENTS TWO MAIN ADVANTAGES AN ENHANCED YIELD AND A FINE CONTROL OF CHEMICAL REACTIONS AT THE NANOSCALE THESE TOPICS HAVE BECOME VERY ACTIVE AND ARE IN LINE WITH MOLECULAR PLASMONICS THIS BOOK EXPLORES THIS NEW FIELD AND PROVIDES A BROAD VIEW ON THE EXPLOITATION OF PLASMONICS IN CHEMICAL AND BIOLOGICAL FIELDS

ENCYCLOPEDIA OF BIOINFORMATICS AND COMPUTATIONAL BIOLOGY 2018-08-21

ENCYCLOPEDIA OF BIOINFORMATICS AND COMPUTATIONAL BIOLOGY ABC OF BIOINFORMATICS THREE VOLUME SET COMBINES ELEMENTS OF COMPUTER SCIENCE INFORMATION TECHNOLOGY MATHEMATICS STATISTICS AND BIOTECHNOLOGY PROVIDING THE METHODOLOGY AND IN SILICO SOLUTIONS TO MINE BIOLOGICAL DATA AND PROCESSES THE BOOK COVERS THEORY TOPICS AND APPLICATIONS WITH A SPECIAL FOCUS ON INTEGRATIVE OMICS AND SYSTEMS BIOLOGY THE THEORETICAL METHODOLOGICAL UNDERPINNINGS OF BCB INCLUDING PHYLOGENY ARE COVERED AS ARE MORE CURRENT AREAS OF FOCUS SUCH AS TRANSLATIONAL BIOINFORMATICS CHEMINFORMATICS AND ENVIRONMENTAL INFORMATICS FINALLY APPLICATIONS PROVIDE GUIDANCE FOR COMMONLY ASKED QUESTIONS THIS MAJOR REFERENCE WORK SPANS BASIC AND CUTTING EDGE METHODOLOGIES AUTHORED BY LEADERS IN THE FIELD PROVIDING AN INVALUABLE RESOURCE FOR STUDENTS SCIENTISTS PROFESSIONALS IN RESEARCH INSTITUTES AND A BROAD SWATH OF RESEARCHERS IN BIOTECHNOLOGY AND THE BIOMEDICAL AND PHARMACEUTICAL INDUSTRIES BRINGS TOGETHER INFORMATION FROM COMPUTER SCIENCE INFORMATION TECHNOLOGY MATHEMATICS STATISTICS AND BIOTECHNOLOGY WRITTEN AND REVIEWED BY LEADING EXPERTS IN THE FIELD PROVIDING A UNIQUE AND AUTHORITATIVE RESOURCE FOCUSES ON THE MAIN THEORETICAL AND METHODOLOGICAL CONCEPTS BEFORE EXPANDING ON SPECIFIC TOPICS AND APPLICATIONS INCLUDES INTERACTIVE IMAGES MULTIMEDIA TOOLS AND CROSSLINKING TO FURTHER RESOURCES AND DATABASES

PROGRESS IN MOLECULAR BIOLOGY AND TRANSLATIONAL SCIENCE 2019-04-26

GLYCANS AND GLYCOSAMINOGLYCANS AS CLINICAL BIOMARKERS AND THERAPEUTICS PART B VOLUME 163 IN THE PROGRESS IN MOLECULAR BIOLOGY AND TRANSLATIONAL SCIENCE SERIES PROVIDES INFORMATIVE MONOGRAPHS ON A VARIETY OF RESEARCH TOPICS RELATED TO GLYCANS AND GLYCOSAMINOGLYCANS AS CLINICAL BIOMARKERS AND THERAPEUTICS TOPICS IN THIS UPDATE INCLUDE AN OVERVIEW OF FUGAL GLYCAN BASED THERAPEUTICS HEPARIN AN ESSENTIAL DRUG FOR MODERN MEDICINE LOW MOLECULAR WEIGHT HEPARINS AND THEIR CLINICAL APPLICATIONS THE CLINICAL USE OF FONDAPARINUX A SYNTHETIC HEPARIN PENTASACCHARID HEPARINOIDS AS CLINICALLY USED DRUGS MARINE GLYCAN DERIVED THERAPEUTICS IN CHINA EFFICACY OF HEPARINOID PSS IN TREATING CARDIOVASCULAR AND OTHER DISEASES 30 YEARS CLINICAL APPLICATIONS IN CHINA AND MORE INCLUDES COMPREHENSIVE COVERAGE OF MOLECULAR BIOLOGY PRESENTS AMPLE

USE OF TABLES DIAGRAMS SCHEMATA AND COLOR FIGURES TO ENHANCE THE READER'S ABILITY TO RAPIDLY GRASP THE INFORMATION PROVIDED CONTAINS CONTRIBUTIONS FROM RENOWNED EXPERTS IN THE FIELD

ADVANCES IN COMPUTATIONAL BIOLOGY *2013-08-04*

THIS VOLUME COMPILES ACCEPTED CONTRIBUTIONS FOR THE 2ND EDITION OF THE COLOMBIAN COMPUTATIONAL BIOLOGY AND BIOINFORMATICS CONGRESS CCB COL AFTER A RIGOROUS REVIEW PROCESS IN WHICH 54 PAPERS WERE ACCEPTED FOR PUBLICATION FROM 119 SUBMITTED CONTRIBUTIONS BIOINFORMATICS AND COMPUTATIONAL BIOLOGY ARE AREAS OF KNOWLEDGE THAT HAVE EMERGED DUE TO ADVANCES THAT HAVE TAKEN PLACE IN THE BIOLOGICAL SCIENCES AND ITS INTEGRATION WITH INFORMATION SCIENCES THE EXPANSION OF PROJECTS INVOLVING THE STUDY OF GENOMES HAS LED THE WAY IN THE PRODUCTION OF VAST AMOUNTS OF SEQUENCE DATA WHICH NEEDS TO BE ORGANIZED ANALYZED AND STORED TO UNDERSTAND PHENOMENA ASSOCIATED WITH LIVING ORGANISMS RELATED TO THEIR EVOLUTION BEHAVIOR IN DIFFERENT ECOSYSTEMS AND THE DEVELOPMENT OF APPLICATIONS THAT CAN BE DERIVED FROM THIS ANALYSIS

APPROACHES FOR ENHANCING ABIOTIC STRESS TOLERANCE IN PLANTS *2019-01-10*

PLANTS ARE FREQUENTLY EXPOSED TO UNFAVORABLE AND ADVERSE ENVIRONMENTAL CONDITIONS KNOWN AS ABIOTIC STRESSORS THESE FACTORS CAN INCLUDE SALINITY DROUGHT HEAT COLD FLOODING HEAVY METALS AND UV RADIATION WHICH POSE SERIOUS THREATS TO THE SUSTAINABILITY OF CROP YIELDS SINCE ABIOTIC STRESSES ARE MAJOR CONSTRAINTS FOR CROP PRODUCTION FINDING THE APPROACHES TO ENHANCE STRESS TOLERANCE IS CRUCIAL TO INCREASE CROP PRODUCTION AND INCREASE FOOD SECURITY THIS BOOK DISCUSSES APPROACHES TO ENHANCE ABIOTIC STRESS TOLERANCE IN CROP PLANTS ON A GLOBAL SCALE PLANTS SCIENTISTS AND BREEDERS WILL LEARN HOW TO FURTHER MITIGATE PLANT RESPONSES AND DEVELOP NEW CROP VARIETIES FOR THE CHANGING CLIMATE

FORENSIC BIOLOGY *2015-03-11*

OVER THE LAST SEVERAL YEARS NEW RESEARCH AND DEVELOPMENTS IN ANALYSIS METHODS AND PRACTICE HAVE LED TO RAPID ADVANCEMENTS IN FORENSIC BIOLOGY IDENTIFYING CRITICAL POINTS OF KNOWLEDGE AND NEW METHODOLOGICAL APPROACHES IN THE FIELD FORENSIC BIOLOGY SECOND EDITION FOCUSES ON FORENSIC SEROLOGY AND FORENSIC DNA ANALYSIS IT PROVIDES STUDENTS AND PRO

HANDBOOK OF EMOTION REGULATION *2019-07-04*

SPECIES ARE CENTRAL TO UNDERSTANDING THE ORIGIN AND DYNAMICS OF BIOLOGICAL DIVERSITY EXPLAINING WHY LINEAGES SPLIT INTO MULTIPLE DISTINCT SPECIES IS ONE OF THE MAIN GOALS OF EVOLUTIONARY BIOLOGY HOWEVER THE EXISTENCE OF SPECIES IS OFTEN TAKEN FOR GRANTED AND PRECISELY WHAT IS MEANT BY SPECIES AND WHETHER THEY REALLY EXIST AS A PATTERN OF NATURE HAS RARELY BEEN MODELLED OR CRITICALLY TESTED THIS NOVEL BOOK PRESENTS A SYNTHETIC OVERVIEW OF THE EVOLUTIONARY BIOLOGY OF SPECIES DESCRIBING WHAT SPECIES ARE HOW THEY FORM THE CONSEQUENCES OF SPECIES BOUNDARIES AND DIVERSITY FOR EVOLUTION AND PATTERNS OF SPECIES ACCUMULATION OVER TIME THE CENTRAL THESIS IS THAT SPECIES REPRESENT MORE THAN JUST A UNIT OF TAXONOMY THEY ARE A MODEL OF HOW DIVERSITY IS STRUCTURED AS WELL AS HOW GROUPS OF RELATED ORGANISMS EVOLVE THE AUTHOR ADOPTS AN INTENTIONALLY BROAD APPROACH STEPPING BACK FROM THE DETAILS TO CONSIDER WHAT SPECIES CONSTITUTE BOTH THEORETICALLY AND EMPIRICALLY AND HOW WE DETECT THEM DRAWING ON A WEALTH OF EXAMPLES FROM MICROBES TO MULTICELLULAR ORGANISMS

THE EVOLUTIONARY BIOLOGY OF SPECIES *2014-05-16*

AMPHIBIAN CONSERVATION IS THE FOURTH IN THE SERIES OF SYNOPSES OF CONSERVATION EVIDENCE LINKED TO THE ONLINE RESOURCE CONSERVATIONEVIDENCE.COM THIS SYNOPSIS IS PART OF THE CONSERVATION EVIDENCE PROJECT AND PROVIDES A USEFUL RESOURCE FOR CONSERVATIONISTS IT FORMS PART OF A SERIES DESIGNED TO PROMOTE A MORE EVIDENCE BASED APPROACH TO BIODIVERSITY CONSERVATION OTHERS IN THE SERIES INCLUDE BEE BIRD FARMLAND AND BAT CONSERVATION AND MANY OTHERS ARE IN PREPARATION APPROXIMATELY 32 OF THE 7 164 AMPHIBIAN SPECIES ARE CURRENTLY THREATENED WITH EXTINCTION AND AT LEAST 43 OF SPECIES ARE DECLINING DESPITE THIS UNTIL RECENTLY AMPHIBIANS AND THEIR CONSERVATION HAD RECEIVED LITTLE ATTENTION ALTHOUGH WORK IS NOW BEING CARRIED OUT TO CONSERVE MANY SPECIES OFTEN IT IS NOT ADEQUATELY DOCUMENTED THIS BOOK BRINGS TOGETHER AND SUMMARISES THE AVAILABLE SCIENTIFIC EVIDENCE AND EXPERIENCE RELEVANT TO THE PRACTICAL CONSERVATION OF AMPHIBIANS THE AUTHORS CONSULTED AN INTERNATIONAL GROUP OF AMPHIBIAN EXPERTS AND

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CONSERVATIONISTS TO PRODUCE A THOROUGH SUMMARY OF WHAT IS KNOWN OR NOT KNOWN ABOUT THE EFFECTIVENESS OF AMPHIBIAN CONSERVATION ACTIONS ACROSS THE WORLD THE BOOK IS PACKED WITH LITERATURE SUMMARIES AND CITATIONS A VERITABLE INFORMATION GOLDMINE FOR GRADUATE STUDENTS AND RESEARCHERS IT ALSO ADMIRABLY PROVIDES DECISION MAKERS WITH A WELL RESEARCHED RESOURCE OF PROVEN INTERVENTIONS THAT CAN BE EMPLOYED TO STEM REVERSE THE DECLINE OF AMPHIBIAN POPULATIONS JOHN G PALIS BULLETIN OF THE CHICAGO HERPETOLOGICAL SOCIETY

AMPHIBIAN CONSERVATION 2017-04-25

THE BOOK DISCUSSES INVASIVE SPECIES PROBLEMS IN AGRICULTURE FORESTS AND AQUATIC ECOSYSTEMS HIGHLIGHTING THE INVASIVE MECHANISMS AND MANAGEMENT OF THE SELECTED INVASIVE SPECIES BIOLOGICAL INVASION HAS BECOME A SERIOUS GLOBAL ECOLOGICAL AND ECONOMIC PROBLEM THAT DESERVES PARTICULAR ATTENTION FROM BOTH GOVERNMENT OFFICIALS AND SCIENTISTS THIS VOLUME FOCUSES ON THREE KEY SCIENTIFIC AREAS 1 POPULATION ESTABLISHMENT AND SPREADING MECHANISMS OF THE SELECTED INVASIVE SPECIES 2 ECOLOGY ADAPTATION POPULATION GROWTH EXPANSION AND EVOLUTION OF INVASIVE SPECIES AND 3 IMPACT OF BIO INVASION ON THE ECOSYSTEM STRUCTURE AND FUNCTION AT COMMUNITY AND ECOSYSTEM LEVELS THE PRESENTED RESEARCH WILL RESULT IN TECHNIQUES FOR BETTER MANAGEMENT OF INVASIVE SPECIES

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