

INTRODUCTION WILDLIFE AND EMERGING ZONOTIC DISEASES THE BIOLOGY CIRCUMSTANCES AND CONSEQUENCES OF CROSS SPECIES TRANSMISSION [PDF]

WILDLIFE AND EMERGING ZONOTIC DISEASES: THE BIOLOGY, CIRCUMSTANCES AND CONSEQUENCES OF CROSS-SPECIES TRANSMISSION WILDLIFE AND EMERGING ZONOTIC DISEASES: THE BIOLOGY, CIRCUMSTANCES AND CONSEQUENCES OF CROSS-SPECIES TRANSMISSION RELICT SPECIES MOLECULAR BIOLOGY IN PLANT PATHOGENESIS AND DISEASE MANAGEMENT: STOCHASTIC PROCESSES AND APPLICATIONS IN BIOLOGY AND MEDICINE II HOW NEW HUMANS ARE MADE BIOTECHNOLOGY AND GENETICS IN FISHERIES AND AQUACULTURE BIOLOGICAL SYSTEMS UNDER EXTREME CONDITIONS STRIGOLACTONES - BIOLOGY AND APPLICATIONS ANNALS OF THE HISTORY AND PHILOSOPHY OF BIOLOGY 11/2006 GRAPEVINE VIRUSES: MOLECULAR BIOLOGY, DIAGNOSTICS AND MANAGEMENT THE BIOLOGY OF FUNGI IMPACTING HUMAN HEALTH AMERICAN ADDRESSES, WITH A LECTURE ON THE STUDY OF BIOLOGY FYNBOS GENOMIC CONTROL PROCESS HARKNESS AND WAGNER'S BIOLOGY AND MEDICINE OF RABBITS AND RODENTS PLANT GROWTH AND REGULATION ADVANCES IN UNDERSTANDING THE BIOLOGY OF HALOPHILIC MICROORGANISMS STOCHASTIC PROCESSES AND APPLICATIONS IN BIOLOGY AND MEDICINE II THE SITUATION IN BIOLOGICAL SCIENCE PLANT STRESS BIOLOGY DESERT BIOLOGY THE NATURAL CONDITIONS OF EXISTENCE AS THEY AFFECT ANIMAL LIFE HUMAN ECOLOGY POSTHARVEST BIOLOGY AND TECHNOLOGY OF TROPICAL AND SUBTROPICAL FRUITS LICHEN PHYSIOLOGY AND CELL BIOLOGY THE SITUATION IN BIOLOGICAL SCIENCE MICROBIAL EVOLUTION UNDER EXTREME CONDITIONS WATER AND SANITATION-RELATED DISEASES AND THE ENVIRONMENT FUNGI IN EXTREME ENVIRONMENTS: ECOLOGICAL ROLE AND BIOTECHNOLOGICAL SIGNIFICANCE ONE HEALTH: THE HUMAN-ANIMAL-ENVIRONMENT INTERFACES IN EMERGING INFECTIOUS DISEASES GENESIS DARWINIAN NATURAL RIGHT ECOLOGICAL PUBLIC HEALTH LIFE AT INTERFACES AND UNDER EXTREME CONDITIONS UP FROM MISSISSIPPI PERSPECTIVES ON BIODIVERSITY INTEGRATIVE BIOINFORMATICS CYPRINUS CARPIO BIOLOGY OF HUMANS

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WILDLIFE AND EMERGING ZOO NOTIC DISEASES: THE BIOLOGY, CIRCUMSTANCES AND CONSEQUENCES OF CROSS-SPECIES TRANSMISSION

2007-08-13

THIS VOLUME OFFERS AN OVERVIEW OF THE PROCESSES OF ZOO NOTIC VIRAL EMERGENCE THE INTRICACIES OF HOST VIRUS INTERACTIONS AND THE ROLE OF BIOLOGICAL TRANSITIONS AND MODIFYING FACTORS THE THEMES INTRODUCED HERE ARE AMPLIFIED AND EXPLORED IN DETAIL BY THE CONTRIBUTING AUTHORS WHO EXPLORE THE MECHANISMS AND UNIQUE CIRCUMSTANCES BY WHICH EVOLUTION BIOLOGY HISTORY AND CURRENT CONTEXT HAVE CONTRIVED TO DRIVE THE EMERGENCE OF DIFFERENT ZOO NOTIC AGENTS BY A SERIES OF RELATED EVENTS

WILDLIFE AND EMERGING ZOO NOTIC DISEASES: THE BIOLOGY, CIRCUMSTANCES AND CONSEQUENCES OF CROSS-SPECIES TRANSMISSION

2007-07-23

THIS VOLUME OFFERS AN OVERVIEW OF THE PROCESSES OF ZOO NOTIC VIRAL EMERGENCE THE INTRICACIES OF HOST VIRUS INTERACTIONS AND THE ROLE OF BIOLOGICAL TRANSITIONS AND MODIFYING FACTORS THE THEMES INTRODUCED HERE ARE AMPLIFIED AND EXPLORED IN DETAIL BY THE CONTRIBUTING AUTHORS WHO EXPLORE THE MECHANISMS AND UNIQUE CIRCUMSTANCES BY WHICH EVOLUTION BIOLOGY HISTORY AND CURRENT CONTEXT HAVE CONTRIVED TO DRIVE THE EMERGENCE OF DIFFERENT ZOO NOTIC AGENTS BY A SERIES OF RELATED EVENTS

RELICT SPECIES

2009-12-03

MANKIND HAS EVOLVED BOTH GENETICALLY AND CULTURALLY TO BECOME A MOST SUCCESSFUL AND DOMINANT SPECIES BUT WE ARE NOW SO NUMEROUS AND OUR TECHNOLOGY IS SO P ERFUL THAT WE ARE HAVING MAJOR EFFECTS ON THE PLANET ITS ENVIRONMENT AND THE B SPHERE FOR SOME YEARS PROPHETS HAVE WARNED OF THE POSSIBLE DETRIMENTAL CONSEQUENCES OF OUR ACTIVITIES SUCH AS POLLUTION DEFORESTATION AND OVERFISHING AND RECENTLY IT HAS BECOME CLEAR THAT WE ARE EVEN CHANGING THE ATMOSPHERE E G OZONE CARBON DIOXIDE THIS IS WORRYING SINCE THE PLANET S LIFE SYSTEMS ARE INVOLVED AND DEPENDENT ON ITS FUNCTIONING CURRENT CLIMATE CHANGE GLOBAL W ARMING IS ONE RECOGNISED CONSEQUENCE OF THIS LARGER PROBLEM TO FACE THIS MAJOR CHALLENGE WE WILL NEED THE RESEARCH AND ADVICE OF MANY DISCIPLINES PHYSICS CHEMISTRY EARTH SCIENCES BIOLOGY AND SOCIOLOGY AND PARTICULARLY THE COMMITMENT OF WISE POLITICIANS SUCH AS US SENATOR AL GORE AN IMPORTANT ASPECT OF THIS GLOBAL PROBLEM THAT HAS BEEN RESEARCHED FOR SEVERAL DECADES IS THE LOSS OF SPECIES AND THE IMPOVERISHMENT OF OUR ECOSYSTEMS AND HENCE THEIR ABILITY TO SUSTAIN THEMSELVES AND MORE PARTICULARLY US THROUGH EVOLUTIONARY TIME NEW SPECIES HAVE BEEN GENERATED AND SOME HAVE GONE EXTINCT SUCH EXTINCTION AND REGENERATION ARE MOULDED BY CHANGES IN THE EARTH S CRUST ATMOSPHERE AND RESULTANT CLIMATE SOME EXTINCTIONS HAVE BEEN MASSIVE PARTICULARLY THOSE ASSO ATED WITH CATASTROPHIC METEORIC IMPACTS LIKE THE END OF THE CRETACEOUS PERIOD 65MYA

MOLECULAR BIOLOGY IN PLANT PATHOGENESIS AND DISEASE MANAGEMENT:

2010-11-10

STUDIES ON THE PHENOMENON OF PLANT PATHOGENESIS DISEASE DEVELOPMENT HAVE BEEN USEFUL TO HAVE A DEEP INSIGHT INTO THE INTERACTIONS BETWEEN HOST PLANT AND THE PATHOGEN DEPENDING ON THE LEVELS OF SUSCEPTIBILITY COMPATIBILITY OR RESISTANCE INCOMPATIBILITY OF THE HOST PLANT AND VIRULENCE OF THE PATHOGEN DISEASE DEVELOPMENT MAY PROGRESS EITHER LEADING TO SYMPTOM EXPRESSION OR RESULT IN THE SUPPRESSION OF PATHOGEN PROLIFERATION MOLECULAR TECHNIQUES HAVE BEEN APPLIED TO ELUCIDATE THE NATURE OF INTERACTIONS BETWEEN THE GENE PRODUCTS OF THE PLANT AND PATHOGEN AT CELLULAR AND MOLECULAR LEVELS SUCCESSFUL EVASION OF HOST S SURVEILLANCE SYSTEM AND SUBSEQUENT ACTIVITIES OF METABOLITES OF THE PATHOGEN ENZYMES AND TOXINS ENCODED BY PATHOGEN GENES COUNTERACTING THE EFFECTS OF VARIOUS DEFENSE RELATED ANTIMICROBIAL COMPOUNDS PRESENT ALREADY OR PRODUCED BY THE HOST PLANTS AFTER INITIATION OF INFECTION HAVE BEEN CRITICALLY STUDIED BY APPLYING VARIOUS MOLECULAR TECHNIQUES IN ADDITION TO STUDYING VARIOUS PHASES OF DISEASE DEVELOPMENT IN INDIVIDUAL PLANTS MOLECULAR METHODS HAVE BEEN DEMONSTRATED TO BE EFFECTIVE IN GATHERING DATA ON VARIOUS ASPECTS OF EPIDEMIOLOGY UNDER NATURAL CONDITIONS WHERE THE INTERACTION OF PATHOGEN WITH POPULATIONS OF PLANTS IS INFLUENCED SIGNIFICANTLY BY THE ENVIRONMENTAL CONDITIONS EXISTING IN DIFFERENT ECOSYSTEMS THIS VOLUME FOCUSES ON THE POSSIBILITY OF APPLYING THE KNOWLEDGE ON PRACTICE IN THE BIOLOGY

2013-11-24

5/18

WILDLIFE AND EMERGING ZOO NOTIC DISEASES THE BIOLOGY CIRCUMSTANCES AND CONSEQUENCES OF CROSS SPECIES TRANSMISSION

MOLECULAR EPIDEMIOLOGY TO DETERMINE THE VULNERABLE STAGES IN THE LIFE CYCLES OF THE PATHOGENS THAT CAN BE DISRUPTED TO ACHIEVE MORE EFFECTIVE DISEASE CONTROL

STOCHASTIC PROCESSES AND APPLICATIONS IN BIOLOGY AND MEDICINE II

2011-12-15

THIS VOLUME IS A REVISED AND ENLARGED VERSION OF CHAPTER 3 OF A BOOK WITH THE SAME TITLE PUBLISHED IN ROMANIAN IN 1968 THE REVISION RESULTED IN A NEW BOOK WHICH HAS BEEN DIVIDED INTO TWO OF THE LARGE AMOUNT OF NEW MATERIAL THE WHOLE BOOK PARTS BECAUSE IS INTENDED TO INTRODUCE MATHEMATICIANS AND BIOLOGISTS WITH A STRONG MATHEMATICAL BACKGROUND TO THE STUDY OF STOCHASTIC PROCESSES AND THEIR APPLICATIONS IN BIOLOGICAL SCIENCES IT IS MEANT TO SERVE BOTH AS A TEXTBOOK AND A SURVEY OF RECENT DEVELOPMENTS BIOLOGY STUDIES COMPLEX SITUATIONS AND THEREFORE NEEDS SKILFUL METHODS OF ABSTRACTION STOCHASTIC MODELS BEING BOTH VIGOROUS IN THEIR SPECIFICATION AND FLEXIBLE IN THEIR MANIPULATION ARE THE MOST SUITABLE TOOLS FOR STUDYING SUCH SITUATIONS THIS CIRCUMSTANCE DETERMINED THE WRITING OF THIS VOLUME WHICH REPRESENTS A COMPREHENSIVE CROSS SECTION OF MODERN BIOLOGICAL PROBLEMS ON THE THEORY OF STOCHASTIC PROCESSES BECAUSE OF THE WAY SOME SPECIFIC PROBLEMS HAVE BEEN TREATED THIS VOLUME MAY ALSO BE USEFUL TO RESEARCH SCIENTISTS IN ANY OTHER FIELD OF SCIENCE INTERESTED IN THE POSSIBILITIES AND RESULTS OF STOCHASTIC MODELLING TO UNDERSTAND THE MATERIAL PRESENTED THE READER NEEDS TO BE ACQUAINTED WITH PROBABILITY THEORY AS GIVEN IN A SOUND INTRODUCTORY COURSE AND BE CAPABLE OF ABSTRACTION

HOW NEW HUMANS ARE MADE

2010

IT IS NOT OKAY TO CALL SOMETHING A MIRACLE WITHOUT EVEN TRYING TO UNDERSTAND IT THIS IS HUMAN DEVELOPMENTAL BIOLOGY HUMAN EMBRYOLOGY IN TERMS OF CELLS AND MOLECULES FOR EVERYONE CURIOUS ENOUGH TO SEE IT THROUGH FROM THE PERSPECTIVE OF THE BUSINESS OF BECOMING HUMAN AS INDIVIDUALS AND AS SPECIES MAKING NEW HUMANS HOW IT HAPPENS CELLS DO IT ALL OF IT AND COMMON VARIATIONS OF THE PROCESS IT CANNOT BE MADE QUITE SIMPLE AND BE KEPT QUITE TRUE BUT WE WILL MOVE AS FAR TOWARD SIMPLE AS WE CAN WITHOUT LOSING TOUCH WITH SOUND EVIDENCE VARIATIONS FROM THE NORMAL VERSION OF THE PROCESS PARTICULARLY MALFORMATIONS AND TWINNING AND CHIMERISM FIGURE PROMINENTLY IN THE STORY BECAUSE THERE IS NO BETTER WAY TO LEARN ABOUT THE USUAL THAN TO STUDY THE UNUSUAL AND SEE WHAT DIFFERENCES IN THE ENDINGS THESE OBSERVABLE DIFFERENCES AT THE BEGINNINGS CAN MAKE IN THIS BOOK WHEN TECHNICAL TERMINOLOGY IS THE ONLY WAY OR THE BEST WAY TO SAY WHAT NEEDS TO BE SAID IT IS DEFINED AND EXPLAINED MAKING THE WORDS A WORTHWHILE PART OF WHAT IS HERE TO BE LEARNED THIS BOOK DEFINES ITS OWN NEW FIELD WE CANNOT CLAIM TO UNDERSTAND HOW ANYTHING HUMAN WORKS AS HUMAN WITH NO EFFORT AT UNDERSTANDING THE EMERGENCE OF ITS FORM AND FUNCTIONS OLD AND NEW UNANSWERED QUESTIONS ARE WAITING TO BE DUG OUT FROM UNDER OLD UNQUESTIONED ANSWERS ABOUT HOW BECOMING HUMAN UNFOLDS WE WILL ALSO ADDRESS SOME POPULAR AND WEIGHTY BUT DEEPLY EMPTY ASSERTIONS ABOUT THE CIRCUMSTANCES AND MECHANISMS OF OUR BEGINNINGS AND OUR CEASELESS BECOMING WE WILL FIND FUNDAMENTAL QUESTIONS FROM THE HUMANITIES UNANSWERABLE EXCEPT FROM BIOLOGY HUMAN DEVELOPMENTAL BIOLOGY IS A FOUNDATIONAL DISCIPLINE WITHIN THE HUMANITIES

BIOTECHNOLOGY AND GENETICS IN FISHERIES AND AQUACULTURE

2008-04-15

THE RECENT DEVELOPMENT OF MOLECULAR BIOLOGY AND GENETIC TECHNIQUES IN PARTICULAR THOSE THAT ARE INCREASINGLY BEING USED IN PRACTICAL SITUATIONS IN FISH BIOLOGY FISHERIES AND AQUACULTURE HAS LED TO A GAP IN THE UNDERSTANDING BY MANY OF THE SCIENCE BEHIND THESE TECHNIQUES AND THEIR CORRECT IMPLEMENTATION FOR MAXIMUM RESULTS THE AUTHORS OF THIS IMPORTANT BOOK ANDY BEAUMONT AND KATE HOARE HAVE WRITTEN A TEXT OF GREAT CLARITY WHICH CAREFULLY EXPLAINS THE SCIENCE AND APPLICATION OF MOLECULAR AND GENETIC TECHNIQUES TO FISHERIES AND AQUACULTURE SITUATIONS AND WHAT THESE NEW TECHNOLOGIES HAVE TO OFFER CONTENTS INCLUDE A FULL EXPLANATION OF GENETIC VARIATION AND ITS MEASUREMENT GENETIC STRUCTURE IN NATURAL POPULATIONS GENETICS AND ARTIFICIAL SELECTION IN THE HATCHERY PLOIDY MANIPULATION AND THE USE OF GENETIC ENGINEERING IN AQUACULTURE BIOTECHNOLOGY AND GENETICS IN FISHERIES AND AQUACULTURE IS OF GREAT USE TO BIOLOGICAL SCIENCES STUDENTS PARTICULARLY THOSE STUDYING MARINE FRESHWATER AND AQUATIC BIOLOGY FISH BIOLOGY FISHERIES AQUACULTURE POPULATION BIOLOGY AND GENETICS THE BOOK IS ALSO EXTREMELY USEFUL AS A REFERENCE TO PERSONNEL SUCH AS FISH FARMERS AND FISHERIES SCIENTISTS AND ALL THOSE WORKING IN FISHERIES AND AQUACULTURE MANAGEMENT AND RESEARCH LIBRARIES IN ALL UNIVERSITIES AND RESEARCH ESTABLISHMENTS WHERE BIOLOGICAL SCIENCES FISHERIES AND AQUACULTURE ARE STUDIED AND TAUGHT SHOULD HAVE COPIES OF THIS

2013-11-24

6/18

WILDLIFE AND EMERGING ZOO NOTIC DISEASES THE BIOLOGY CIRCUMSTANCES AND CONSEQUENCES OF CROSS SPECIES TRANSMISSION

BOOK ON THEIR SHELVES

BIOLOGICAL SYSTEMS UNDER EXTREME CONDITIONS

2013-03-14

BIOLOGICAL SYSTEMS ARE REGULATED BY THE THERMODYNAMIC PARAMETERS OF PRESSURE AND TEMPERATURE NEW ANALYTICAL AND COMPUTATIONAL METHODS AND VARIOUS KINDS OF SPECTROSCOPY ALLOW DETAILED STUDIES OF THE STRUCTURE AND FUNCTION OF BIOLOGICAL SYSTEMS UNDER EXTREME CONDITIONS AS WELL AS THE POSSIBILITY TO EXPLICATE THE ORIGIN AND EVOLUTION OF LIFE THIS VOLUME ADDRESSES RESEARCHERS AND STUDENTS EXPLORING THE NEW WORLD OF BIOLOGICAL SYSTEMS UNDER EXTREME ENVIRONMENTAL CONDITIONS

STRIGOLACTONES - BIOLOGY AND APPLICATIONS

2019-04-02

THIS BOOK DESCRIBES THE EXCITING BIOLOGY AND CHEMISTRY OF STRIGOLACTONES OUTGROWTH OF SHOOT BRANCHES DEVELOPMENT OF LATERAL ROOTS INTERACTIONS WITH BENEFICIAL MICROORGANISMS AVOIDING PARASITIC PLANTS RESPONDING TO DROUGHT CONDITIONS THESE IMPORTANT DECISIONS THAT PLANTS MAKE ARE ALL REGULATED BY A GROUP OF HORMONES CALLED STRIGOLACTONES THE LATEST RESEARCH HAS YIELDED A NUMBER OF NEW BIOLOGICAL CONCEPTS SUCH AS A REDEFINITION OF PLANT HORMONES AND THEIR CROSSTALK NEW FUNCTIONAL DIVERSITY OF RECEPTORS HORMONAL SMOKE AND MIRRORS CORE SIGNALING PATHWAYS AND EVEN PHLOEM TRANSPORT OF RECEPTOR PROTEINS ANOTHER IMPORTANT ASPECT OF STRIGOLACTONES IS THE RELATED SYNTHETIC CHEMISTRY WHICH COULD PAVE THE WAY FOR A VARIETY OF POTENTIAL APPLICATIONS IN AGRICULTURE AND MEDICINE THE BOOK EXPLAINS IN DETAIL THE ROLE THAT STRIGOLACTONES PLAY IN PLANT DEVELOPMENT AND ADDRESSES THE INTERACTION OF PLANTS WITH SOIL BIOTA AND ABIOTIC STRESS CONDITIONS PROSPECTS OF STRIGOLACTONE BIOCHEMISTRY AND EVOLUTION AND CHEMICAL SYNTHESIS OF NATURAL STRIGOLACTONES AND ANALOGS TOGETHER WITH THEIR POTENTIAL APPLICATIONS INCLUDING A GLOSSARY AND END OF CHAPTER SYNOPSES TO AID IN COMPREHENSION IT OFFERS A VALUABLE ASSET FOR TEACHERS LECTURERS AND POST GRADUATE STUDENTS IN BIOLOGY AGRONOMY AND RELATED AREAS

ANNALS OF THE HISTORY AND PHILOSOPHY OF BIOLOGY 11/2006

2007

THE NAME DGGTB DEUTSCHE GESELLSCHAFT FÜR GESCHICHTE UND THEORIE DER BIOLOGIE GERMAN SOCIETY FOR THE HISTORY AND THEORY OF BIOLOGY REFLECTS RECENT HISTORY AS WELL AS GERMAN TRADITION THE SOCIETY IS A RELATIVELY LATE ADDITION TO A SERIES OF GERMAN SOCIETIES OF SCIENCE AND MEDICINE THAT BEGAN WITH THE DEUTSCHE GESELLSCHAFT FÜR GESCHICHTE DER MEDIZIN UND DER NATURWISSENSCHAFTEN FOUNDED IN 1910 BY LEIPZIG UNIVERSITY S KARL SUDHOFF 1853 1938 WHO WROTE WE WANT TO ESTABLISH A GERMAN SOCIETY IN ORDER TO GATHER GERMAN SPEAKING HISTORIANS TOGETHER IN OUR SPECIAL DISCIPLINES SO THAT THEY FORM THE CORE OF AN INTERNATIONAL SOCIETY YET SUDHOFF AT THIS TIME OF BURGEONING ACADEMIC INTERNATIONALISM WAS QUITE WILLING TO ACCOMMODATE THE WISHES OF A NUMBER OF FOUNDING MEMBERS AND DROP THE WORD GERMAN IN THE TITLE OF THE SOCIETY AND HAVE IT MERGE WITH AN INTERNATIONAL SOCIETY THE FOUNDING AND NAMING OF THE SOCIETY AT THAT TIME DERIVED FROM A SPECIFIC SET OF HISTORICAL CIRCUMSTANCES AND THE SAME WAS TRUE SOME 80 YEARS LATER WHEN IN 1991 IN THE WAKE OF GERMAN REUNIFICATION THE DEUTSCHE GESELLSCHAFT FÜR GESCHICHTE UND THEORIE DER BIOLOGIE WAS FOUNDED FROM THE START THE SOCIETY HAS BEEN COMMITTED TO BRINGING STUDIES IN THE HISTORY AND PHILOSOPHY OF BIOLOGY TO A WIDE AUDIENCE USING FOR THIS PURPOSE ITS JAHRBUCH FÜR GESCHICHTE UND THEORIE DER BIOLOGIE PARALLEL TO THE JAHRBUCH THE VERHANDLUNGEN ZUR GESCHICHTE UND THEORIE DER BIOLOGIE HAS BECOME THE BY NOW TRADITIONAL MEDIUM FOR THE PUBLICATION OF PAPERS DELIVERED AT THE SOCIETY S ANNUAL MEETINGS IN 2005 THE JAHRBUCH WAS RENAMED ANNALS OF THE HISTORY AND PHILOSOPHY OF BIOLOGY REFLECTING THE SOCIETY S INTERNATIONALIST ASPIRATIONS IN ADDRESSING COMPARATIVE BIOLOGY AS A SUBJECT OF HISTORICAL AND PHILOSOPHICAL STUDIES

GRAPEVINE VIRUSES: MOLECULAR BIOLOGY, DIAGNOSTICS AND MANAGEMENT

2017-07-18

2013-11-24

7/18

WILDLIFE AND EMERGING ZOO NOTIC DISEASES THE BIOLOGY
CIRCUMSTANCES AND CONSEQUENCES OF CROSS SPECIES
TRANSMISSION

THE DOMESTICATION OF GRAPES DATES BACK FIVE THOUSAND YEARS AGO AND HAS SPREAD TO NEARLY ALL CONTINENTS IN RECENT YEARS GRAPE ACREAGE HAS INCREASED DRAMATICALLY IN NEW REGIONS INCLUDING THE UNITED STATES OF AMERICA CHILE ASIA CHINA AND INDIA AND TURKEY A MAJOR LIMITING FACTOR TO THE SUSTAINED PRODUCTION OF PREMIUM GRAPES AND WINES IS INFECTIONS BY VIRUSES THE ADVENT OF POWERFUL MOLECULAR AND METAGENOMICS TECHNOLOGIES SUCH AS MOLECULAR CLONING AND NEXT GENERATION SEQUENCING ALLOWED THE DISCOVERY OF NEW VIRUSES FROM GRAPES TO DATE GRAPEVINE IS SUSCEPTIBLE TO 64 VIRUSES THAT BELONG TO HIGHLY DIVERSE TAXONOMIC GROUPS THE MOST DAMAGING DISEASES INCLUDE 1 INFECTIOUS DEGENERATION 2 LEAFROLL DISEASE COMPLEX AND 3 RUGOSE WOOD COMPLEX RECENTLY TWO NEW DISEASE SYNDROMES HAVE BEEN RECOGNIZED SYRAH DECLINE AND RED BLOTCH LOSSES DUE TO FANLEAF DEGENERATION ARE ESTIMATED AT 1 BILLION ANNUALLY IN FRANCE ALONE OTHER DISEASES INCLUDING LEAFROLL RUGOSE WOOD SYRAH DE CLINE AND RED BLOTCH CAN RESULT IN TOTAL CROP LOSS SEVERAL YEARS POST INFECTION THIS SITUATION IS FURTHER EXACERBATED BY MIXED INFECTIONS WITH MULTIPLE VIRUSES AND OTHER BIOTIC AS WELL AS ADVERSE ABIOTIC ENVIRONMENTAL CONDITIONS SUCH AS DROUGHT AND WINTER DAMAGE CAUSING EVEN GREATER DESTRUCTION THE BOOK BUILDS UPON THE LAST HANDBOOK WRITTEN OVER TWENTY YEARS AGO ON THE PART OF DIAGNOSTICS AND EXTENSIVELY EXPANDS ITS SCOPE BY INCLUSION OF MOLECULAR BIOLOGY ASPECTS OF SELECT VIRUSES THAT ARE WIDESPREAD AND ECONOMICALLY MOST IMPORTANT THIS INCLUDES MOST CURRENT INFORMATION ON THE BIOLOGY TRANSMISSION GENOME REPLICATION TRANSCRIPTION SUBCELLULAR LOCALIZATION AS WELL AS VIRUS HOST INTERACTIONS IT ALSO TOUCHES ON SEVERAL NOVEL AREAS OF SCIENTIFIC INQUIRY IT ALSO CONTAINS SUGGESTED DIRECTIONS FOR FUTURE RESEARCH IN THE FIELD OF GRAPEVINE VIROLOGY

THE BIOLOGY OF FUNGI IMPACTING HUMAN HEALTH

2014

FUNGI HAVE BECOME INCREASINGLY SIGNIFICANT DETERMINANTS OF HUMAN HEALTH AND MAY CAUSE AS HEAVY A BURDEN TO HEALTH AS VIRUSES BACTERIA AND PARASITES THIS OUTCOME HAS OCCURRED ON ACCOUNT OF THE RISE IN DISEASES AFFECTING THE IMMUNE SYSTEM AND IN THE RISK FACTORS ASSOCIATED WITH ADVANCES IN TECHNOLOGIES USED TO TREAT VARIOUS DISEASES AND HUMAN CONDITIONS THESE TRENDS ARE NO MORE EVIDENT THAN IN TROPICAL LOCATIONS THIS TEXT EMPHASIZES THE BIOLOGY OF FUNGI IMPACTING HUMAN HEALTH WITH AN EMPHASIS ON THE ASIA PACIFIC REGION THE AUTHOR DRAWS ON HIS OWN EXPERIENCE WORKING IN TROPICAL AUSTRALIA PAPUA NEW GUINEA AND THAILAND A RANGE OF INFORMATION IS PRESENTED ON THE NATURAL RELATIONSHIPS OF FUNGI WHICH HELPS THE READER TO UNDERSTAND THE INTERACTIONS THESE MICROBES ENGAGE IN WITH OTHER LIVING ORGANISMS INCLUDING PLANTS AND MICROFAUNA HIGHLIGHTED ARE THE ABILITIES OF FUNGI TO SURVIVE IN SOIL ON PLANTS AND ANIMALS AND THEIR CAPACITY TO ADAPT TO CHANGING CONDITIONS AND EVADE ATTEMPTS TO CONTROL THEM THE SUCCESSES AND PROBLEMS ENCOUNTERED IN CONTROLLING FUNGI BIOLOGICALLY ARE OUTLINED INCLUDING THE DEVELOPMENT OF VACCINES PRACTICAL METHODS TO LIMIT THE IMPACT OF MYCOTOXINS PRODUCED BY FUNGI ARE SUGGESTED INCLUDING MODERATING PLANT GROWTH CONDITIONS AND BEING AWARE OF HUMAN NUTRITIONAL STATUS

AMERICAN ADDRESSES, WITH A LECTURE ON THE STUDY OF BIOLOGY

2021-04-19

BOOK EXCERPT WO KINDS OF EVIDENCE AND WHAT IS TO BE SAID RESPECTING THEIR VALUE SUPPOSE THAT A MAN TELLS YOU THAT HE SAW A PERSON STRIKE ANOTHER AND KILL HIM THAT IS TESTIMONIAL EVIDENCE OF THE FACT OF MURDER BUT IT IS POSSIBLE TO HAVE CIRCUMSTANTIAL EVIDENCE OF THE FACT OF MURDER THAT IS TO SAY YOU MAY FIND A MAN DYING WITH A WOUND UPON HIS HEAD HAVING EXACTLY THE FORM AND CHARACTER OF THE WOUND WHICH IS MADE BY AN AXE AND WITH DUE CARE IN TAKING SURROUNDING CIRCUMSTANCES INTO ACCOUNT YOU MAY CONCLUDE WITH THE UTMOST CERTAINTY THAT THE MAN HAS BEEN MURDERED THAT HIS DEATH IS THE CONSEQUENCE OF A BLOW INFLICTED BY ANOTHER MAN WITH THAT IMPLEMENT WE ARE VERY MUCH IN THE HABIT OF CONSIDERING CIRCUMSTANTIAL EVIDENCE AS OF LESS VALUE THAN TESTIMONIAL EVIDENCE AND IT MAY BE THAT WHERE THE CIRCUMSTANCES ARE NOT PERFECTLY CLEAR AND INTELLIGIBLE IT IS A DANGEROUS AND UNSAFE KIND OF EVIDENCE BUT IT MUST NOT BE FORGOTTEN THAT IN MANY CASES CIRCUMSTANTIAL IS QUITE AS CONCLUSIVE AS TESTIMONIAL EVIDENCE AND THAT

FYNBOS

2014-09-18

SOUTH AFRICA S FYNBOS REGION HAS INTRIGUED BIOLOGISTS FOR CENTURIES IT HAS ACHIEVED ICONIC STATUS AS A LOCUS OF MEGADIVERSITY AND THEREFORE A PLACE TO STUDY THE ECOLOGICAL UNDERPINNINGS OF MASSIVE EVOLUTIONARY RADIATIONS RESEARCHERS HAVE MADE GREAT ADVANCES OVER THE PAST TWO DECADES IN UNRAVELLING THE COMPLEXITIES OF FYNBOS ECOLOGY AND EVOLUTION

2013-11-24

8/18

WILDLIFE AND EMERGING ZOO NOTIC DISEASES THE BIOLOGY CIRCUMSTANCES AND CONSEQUENCES OF CROSS SPECIES TRANSMISSION

AND THE REGION HAS CONTRIBUTED SIGNIFICANT INSIGHTS INTO THE ADAPTIVE RADIATIONS OF LARGE LINEAGES CONSERVATION SCIENCE POLLINATION BIOLOGY INVASIVE PLANT BIOLOGY AND PALAEOANTHROPOLOGY LESSONS FROM THE FYNBOS OFFER MUCH OF VALUE FOR UNDERSTANDING THE ORIGIN MAINTENANCE AND CONSERVATION OF DIVERSITY ANYWHERE IN THE WORLD THIS BOOK PROVIDES THE FIRST SYNTHESIS OF THE FIELD FOR 20 YEARS BRINGING TOGETHER THE LATEST ECOLOGICAL AND EVOLUTIONARY RESEARCH ON THE SOUTH AFRICAN GLOBAL BIODIVERSITY HOTSPOTS OF THE GREATER CAPE FLORISTIC REGION THE ICONIC FYNBOS AND SUCCULENT KAROO IT EXPLORES THE HISTORICAL AND MODERN PHYSICAL AND BIOLOGICAL ENVIRONMENT OF THIS REGION THE CIRCUMSTANCES AND PROCESSES WHICH HAVE FOSTERED ITS REMARKABLE BIODIVERSITY AND THE ROLE THIS DIVERSITY HAS PLAYED IN THE EMERGENCE OF MODERN HUMANS IT ALSO DISCUSSES THE CHALLENGES OF CONTEMPORARY MANAGEMENT AND CONSERVATION OF THE REGION S BIODIVERSITY IN THE FACE OF ACCELERATING GLOBAL CHANGE

GENOMIC CONTROL PROCESS

2015-01-27

GENOMIC CONTROL PROCESS EXPLORES THE BIOLOGICAL PHENOMENA AROUND GENOMIC REGULATORY SYSTEMS THAT CONTROL AND SHAPE ANIMAL DEVELOPMENT PROCESSES AND WHICH DETERMINE THE NATURE OF EVOLUTIONARY PROCESSES THAT AFFECT BODY PLAN UNIFYING AND SIMPLIFYING THE DESCRIPTIONS OF DEVELOPMENT AND EVOLUTION BY FOCUSING ON THE CAUSALITY IN THESE PROCESSES IT PROVIDES A COMPREHENSIVE METHOD OF CONSIDERING GENOMIC CONTROL ACROSS DIVERSE BIOLOGICAL PROCESSES THIS BOOK IS ESSENTIAL FOR GRADUATE RESEARCHERS IN GENOMICS SYSTEMS BIOLOGY AND MOLECULAR BIOLOGY SEEKING TO UNDERSTAND DEEP BIOLOGICAL PROCESSES WHICH REGULATE THE STRUCTURE OF ANIMALS DURING DEVELOPMENT COVERS A VAST AREA OF CURRENT BIOLOGICAL RESEARCH TO PRODUCE A GENOME ORIENTED REGULATORY BIOSCIENCE OF ANIMAL LIFE PLACES GENE REGULATION EMBRYONIC AND POSTEMBRYONIC DEVELOPMENT AND EVOLUTION OF THE BODY PLAN IN A UNIFIED CONCEPTUAL FRAMEWORK PROVIDES THE CONCEPTUAL KEYS TO INTERPRET A BROAD DEVELOPMENTAL AND EVOLUTIONARY LANDSCAPE WITH PRECISE EXPERIMENTAL ILLUSTRATIONS DRAWN FROM CONTEMPORARY LITERATURE INCLUDES A RANGE OF MATERIAL FROM DEVELOPMENTAL PHENOMENOLOGY TO QUANTITATIVE AND LOGIC MODELS FROM PHYLOGENETICS TO THE MOLECULAR BIOLOGY OF GENE REGULATION FROM ANIMAL MODELS OF ALL KINDS TO EVIDENCE OF EVERY RELEVANT TYPE DEMONSTRATES THE CAUSAL POWER OF SYSTEM LEVEL UNDERSTANDING OF GENOMIC CONTROL PROCESS CONCEPTUALLY ORGANIZES A CONSTELLATION OF COMPLEX AND DIVERSE BIOLOGICAL PHENOMENA INVESTIGATES FUNDAMENTAL DEVELOPMENTAL CONTROL SYSTEM LOGIC IN DIVERSE CIRCUMSTANCES AND EXPRESSES THESE IN CONCEPTUAL MODELS EXPLORES MECHANISTIC EVOLUTIONARY PROCESSES ILLUMINATING THE EVOLUTIONARY CONSEQUENCES OF DEVELOPMENTAL CONTROL SYSTEMS AS THEY ARE ENCODED IN THE GENOME

HARKNESS AND WAGNER'S BIOLOGY AND MEDICINE OF RABBITS AND RODENTS

2010-02-09

HARKNESS AND WAGNER S BIOLOGY AND MEDICINE OF RABBITS AND RODENTS FIFTH EDITION IS A PRACTICAL REFERENCE IN SMALL MAMMAL HUSBANDRY AND HEALTH ENCOMPASSING THE FIELDS OF LABORATORY ANIMAL MEDICINE AND PET PRACTICE PART OF ACLAM S SERIES OF LABORATORY ANIMAL BOOKS THIS TEXT OFFERS CONCISE BUT COMPLETE COVERAGE ON RABBITS AND THE MOST COMMON RODENT SPECIES WITH AN EMPHASIS ON BIOLOGY CLINICAL PROCEDURES CLINICAL SIGNS AND DISEASES AND CONDITIONS BY PROVIDING USEFUL ACCESSIBLE ASSESSMENT AND DIAGNOSTIC INFORMATION HARKNESS AND WAGNER S BIOLOGY AND MEDICINE OF RABBITS AND RODENTS AIDS THE PRACTITIONER IN DIAGNOSING AND TREATING CONDITIONS IN SMALL MAMMALS

PLANT GROWTH AND REGULATION

2018-12-05

PLANT GROWTH AND REGULATION ALTERATIONS TO SUSTAIN UNFAVORABLE CONDITIONS CONSISTS OF FIVE CHAPTERS WRITTEN BY SCIENTISTS FROM DIFFERENT PARTS OF THE WORLD WHO ARE EXPERTS IN THEIR RESPECTIVE FOCUSES OF RESEARCH THE TOPICS COVER THE PHYSICAL GROWTH AND PHYSIOLOGICAL AND GENETIC ALTERATIONS IN PLANTS PARTICULARLY UNDER ENVIRONMENTAL STRESS CONDITIONS THE STORYLINE OF THIS BOOK STARTS FROM THE PLANT COMMUNITY FOLLOWED BY CELLULAR AND ULTRASTRUCTURAL PHENOMENES OCCURRING WITHIN THE PLANT IN ITS INTERACTION WITH THE ENVIRONMENT AND ENDS WITH ELUCIDATION OF CHLOROPLAST S DNAS THEIR TRANSFER TO THE NUCLEUS AND THE GENETIC ENGINEERING TECHNOLOGY APPLICABLE FOR PLANT ADAPTATION TO CHANGING ENVIRONMENTAL CONDITIONS THIS BOOK IS AIMED AT ATTRACTING THE ATTENTION OF STUDENTS TEACHERS AS WELL AS SCIENTISTS WHO HAVE A SIMILAR FOCUS OF STUDY OR INTEREST IT CONTAINS ADVANCED STUDIES IN THE RESPECTIVE CHAPTERS

2013-11-24

9/18

ADVANCES IN UNDERSTANDING THE BIOLOGY OF HALOPHILIC MICROORGANISMS

2012-12-14

THIS BOOK IS DESIGNED TO BE A LONG TERM CAREER REFERENCE THE CHAPTERS PRESENT MODERN PROCEDURES THIS IS A HOW TO BOOK WITH A DIFFERENCE THESE CHAPTERS REVEAL THE BACKGROUND INFORMATION ABOUT WORKING WITH SALT LOVING ORGANISMS ARE LOADED WITH INFORMATION ABOUT HOW EXPERIMENTS ARE CONDUCTED UNDER HIGH SALT PROVIDE INFORMATION ABOUT ANALYSES THAT WORK UNDER THESE CONDITIONS AND THOSE THAT MAY NOT PRESENT A WIDE RANGE OF DETAILS FROM LABORATORY DESIGNS TO EQUIPMENT USED AND EVEN TO SIMPLE ANECDOTAL HINTS THAT CAN ONLY COME FROM EXPERIENCE MICROBIOLOGICAL TRAINING FOCUSES LARGELY ON THE GROWTH THE HANDLING AND THE STUDY OF THE MICROBES ASSOCIATED WITH HUMANS AND ANIMALS YET THE LARGEST PROPORTION OF THE EARTH S MICROBIOTA LIVES IN SALINE ENVIRONMENTS SUCH AS THE OCEANS SALINE DESERTS AND TERMINAL HYPERSALINE ENVIRONMENTS THIS NEED FOR SALT CAN BE INTIMIDATING FOR THOSE INTERESTED IN ENTERING THE FIELD OR FOR THOSE INTERESTED IN UNDERSTANDING HOW SUCH RESEARCH IS ACCOMPLISHED

STOCHASTIC PROCESSES AND APPLICATIONS IN BIOLOGY AND MEDICINE II

1973-07-25

THIS VOLUME IS A REVISED AND ENLARGED VERSION OF CHAPTER 3 OF A BOOK WITH THE SAME TITLE PUBLISHED IN ROMANIAN IN 1968 THE REVISION RESULTED IN A NEW BOOK WHICH HAS BEEN DIVIDED INTO TWO OF THE LARGE AMOUNT OF NEW MATERIAL THE WHOLE BOOK PARTS BECAUSE IS INTENDED TO INTRODUCE MATHEMATICIANS AND BIOLOGISTS WITH A STRONG MATHEMATICAL BACKGROUND TO THE STUDY OF STOCHASTIC PROCESSES AND THEIR APPLICATIONS IN BIOLOGICAL SCIENCES IT IS MEANT TO SERVE BOTH AS A TEXTBOOK AND A SURVEY OF RECENT DEVELOPMENTS BIOLOGY STUDIES COMPLEX SITUATIONS AND THEREFORE NEEDS SKILFUL METHODS OF ABSTRACTION STOCHASTIC MODELS BEING BOTH VIGOROUS IN THEIR SPECIFICATION AND FLEXIBLE IN THEIR MANIPULATION ARE THE MOST SUITABLE TOOLS FOR STUDYING SUCH SITUATIONS THIS CIRCUMSTANCE DETER MINED THE WRITING OF THIS VOLUME WHICH REPRESENTS A COMPREHENSIVE CROSS SECTION OF MODERN BIOLOGICAL PROBLEMS ON THE THEORY OF STOCHASTIC PROCESSES BECAUSE OF THE WAY SOME SPECIFIC PROBLEMS HAVE BEEN TREAT ED THIS VOLUME MAY ALSO BE USEFUL TO RESEARCH SCIENTISTS IN ANY OTHER FIELD OF SCIENCE INTERESTED IN THE POSSIBILITIES AND RESULTS OF STOCHASTIC MODELLING TO UNDERSTAND THE MATERIAL PRESENTED THE READER NEEDS TO BE ACQUAINTED WITH PROBABILITY THEORY AS GIVEN IN A SOUND INTRODUCTORY COURSE AND BE CAPABLE OF ABSTRACTION

THE SITUATION IN BIOLOGICAL SCIENCE

1949

THIS UNIQUE BOOK COVERS THE MOLECULAR ASPECTS OF PLANT STRESS AND THE VARIOUS INDUSTRIAL APPLICATIONS CHAPTERS COVER MANY IMPORTANT TOPICS IN THE BIOLOGY OF PLANT STRESS INCLUDING MORPHOLOGICAL AND PHYSIOLOGICAL CHANGES OF PLANTS DUE TO ACCUMULATION OF POLLUTANTS THE TYPES OF STRESS FOR ENHANCED BIOFUEL PRODUCTION FROM PLANT BIOMASS PLANT ADAPTATION DUE TO DIFFERENT TYPES OF ENVIRONMENTAL STRESSES POTENTIAL APPLICATIONS OF MICRORNAS TO IMPROVE ABIOTIC STRESS TOLERANCE IN PLANTS PLANT RESISTANCE TO VIRUSES AND THE MOLECULAR ASPECTS PHOTOSYNTHESIS UNDER STRESS CONDITIONS PLANT RESPONSES TO WEEDS PESTS PATHOGENS AND AGRICHEMICAL STRESS CONDITIONS AND PLANT RESPONSES UNDER THE STRESS OF DROUGHT KEY FEATURES DESCRIBES THE DIFFERENT TYPES OF PLANT STRESS DETAILS THE CURRENT AND POSSIBLE APPLICATIONS OF PLANT STRESS BIOLOGY PRESENTS SEVERAL CASE STUDIES THAT INCLUDE APPLICATIONS OF PLANT STRESS EXPLORES PLANT STRESS BIOLOGY FOR APPLICATIONS IN BIOFUEL SCIENCE PLANT STRESS BIOLOGY PROGRESS AND PROSPECTS OF GENETIC ENGINEERING WILL BE USEFUL FOR RESEARCHERS IN DIVERSE FIELDS AS WELL AS FOR PLANT BIOLOGISTS ENVIRONMENTAL BIOLOGISTS FACULTY AND STUDENTS THE BOOK WILL ALSO BE HELPFUL FOR FURTHER ADVANCEMENT OF RESEARCH IN THE AREA OF PLANT STRESS BIOLOGY

PLANT STRESS BIOLOGY

2020-12-09

DESERT BIOLOGY SPECIAL TOPICS ON THE PHYSICAL AND BIOLOGICAL ASPECTS OF ARID REGIONS VOLUME II RECORDS THE CONDITIONS AND LIFE IN THE ARID REGIONS OF THE WORLD THIS BOOK DISCUSSES THE

2013-11-24

10/18

WILDLIFE AND EMERGING ZOO NOTIC DISEASES THE BIOLOGY CIRCUMSTANCES AND CONSEQUENCES OF CROSS SPECIES TRANSMISSION

HYDROGEOLOGY OF ARID REGIONS DESERT SOIL SURFACES AND CLASSES AND PHYSICAL AND VEGETATIONAL ASPECTS OF THE SAHARA DESERT THE PIMAN INDIANS OF THE SONORAN DESERT APPROACH TO THE WATER RELATIONS OF DESERT PLANTS DESERT ARTHROPODS AND AQUATIC ENVIRONMENTS OF DESERTS ARE ALSO CONSIDERED OTHER TOPICS INCLUDE THE ARTIFICIAL CHANGES IN THE HYDROGEOLOGY OF DESERTS SOILS OF INDIVIDUAL WORLD DESERTS RAINFALL AND WATER SUPPLY OF DESERT PLANTS AND ECOLOGICAL PLANT TYPES IN ARID REGIONS THE HYDRATURE IN TRUE XEROPHYTES CHLORIDE ACCUMULATION IN HALOPHYTES AND BIOLOGICAL RESPONSE TO DESERT WATER CONDITIONS ARE LIKEWISE COVERED IN THIS PUBLICATION THIS VOLUME IS RECOMMENDED FOR RESEARCHERS AND SPECIALISTS INTERESTED IN THE HOT DRY REGIONS OF THE PLANET

DESERT BIOLOGY

2013-09-17

THIS BOOK EXPLORES THE RELATIONSHIP BETWEEN CULTURAL STRATEGIES AND THEIR BIOLOGICAL OUTCOMES COMBINING FOR THE FIRST TIME AN ECOSYSTEMS APPROACH WITH CULTURAL ANTHROPOLOGICAL ARCHAEOLOGICAL AND EVOLUTIONARY BEHAVIOURAL CONCEPTS BEGINNING WITH RESOURCE USE AND FOOD PROCUREMENT BEHAVIOUR THE TEXT EXAMINES MAJOR SUBSISTENCE MODES THE CIRCUMSTANCES AND DYNAMICS OF LARGE SCALE SUBSISTENCE CHANGE THE EFFECT OF SOCIAL DIFFERENTIATION ON RESOURCE USE AND THE EFFECTS OF SUBSISTENCE BEHAVIOUR ON POPULATION DEVELOPMENT AND REGULATION

THE NATURAL CONDITIONS OF EXISTENCE AS THEY AFFECT ANIMAL LIFE

1883

TROPICAL AND SUBTROPICAL FRUITS ARE POPULAR PRODUCTS BUT ARE OFTEN HIGHLY PERISHABLE AND NEED TO BE TRANSPORTED LONG DISTANCES FOR SALE THE FOUR VOLUMES OF POSTHARVEST BIOLOGY AND TECHNOLOGY OF TROPICAL FRUITS REVIEW ESSENTIAL ASPECTS OF POSTHARVEST BIOLOGY POSTHARVEST TECHNOLOGIES HANDLING AND PROCESSING TECHNOLOGIES FOR BOTH WELL KNOWN AND LESSER KNOWN FRUITS VOLUME 1 CONTAINS CHAPTERS ON GENERAL TOPICS AND ISSUES WHILE VOLUMES 2 3 AND 4 CONTAIN CHAPTERS FOCUSED ON INDIVIDUAL FRUITS ORGANISED ALPHABETICALLY VOLUME 1 PROVIDES AN OVERVIEW OF KEY FACTORS ASSOCIATED WITH THE POSTHARVEST QUALITY OF TROPICAL AND SUBTROPICAL FRUITS TWO INTRODUCTORY CHAPTERS COVER THE ECONOMIC IMPORTANCE OF THESE CROPS AND THEIR NUTRITIONAL BENEFITS CHAPTERS REVIEWING THE POSTHARVEST BIOLOGY OF TROPICAL AND SUBTROPICAL FRUITS AND THE IMPACT OF PREHARVEST CONDITIONS HARVEST CIRCUMSTANCES AND POSTHARVEST TECHNOLOGIES ON QUALITY FOLLOW FURTHER AUTHORS REVIEW MICROBIOLOGICAL SAFETY THE CONTROL OF DECAY AND QUARANTINE PESTS AND THE ROLE OF BIOTECHNOLOGY IN THE IMPROVEMENT OF PRODUCE OF THIS TYPE TWO CHAPTERS ON THE PROCESSING OF TROPICAL AND SUBTROPICAL FRUIT COMPLETE THE VOLUME WITH ITS DISTINGUISHED EDITOR AND INTERNATIONAL TEAM OF CONTRIBUTORS VOLUME 1 OF POSTHARVEST BIOLOGY AND TECHNOLOGY OF TROPICAL AND SUBTROPICAL FRUITS ALONG WITH THE OTHER VOLUMES IN THE COLLECTION WILL BE AN ESSENTIAL REFERENCE BOTH FOR PROFESSIONALS INVOLVED IN THE POSTHARVEST HANDLING AND PROCESSING OF TROPICAL AND SUBTROPICAL FRUITS AND FOR ACADEMICS AND RESEARCHERS WORKING IN THE AREA ALONG WITH THE OTHER VOLUMES IN THE COLLECTION VOLUME 1 IS AN ESSENTIAL REFERENCE FOR PROFESSIONALS INVOLVED IN THE POSTHARVEST HANDLING AND PROCESSING OF TROPICAL AND SUBTROPICAL FRUITS AND FOR ACADEMICS AND RESEARCHERS WORKING IN THE AREA FOCUSES ON FUNDAMENTAL ISSUES OF FRUIT PHYSIOLOGY QUALITY SAFETY AND HANDLING RELEVANT TO ALL THOSE IN THE TROPICAL AND SUBTROPICAL FRUITS SUPPLY CHAIN CHAPTERS INCLUDE NUTRITIONAL AND HEALTH BENEFITS PREHARVEST FACTORS FOOD SAFETY AND BIOTECHNOLOGY AND MOLECULAR BIOLOGY

HUMAN ECOLOGY

2006-02-28

IT IS CURRENTLY IMPOSSIBLE TO GROW LICHENS UNDER CONTROLLED CONDITIONS IN THE LABORATORY IN SUFFICIENT QUANTITY FOR PHYSIOLOGICAL EXPERIMENTS LICHEN GROWTH IS SLOW AND CONDITIONS WHICH MIGHT ACCELERATE THE PROCESS TEND TO FAVOUR EITHER THE ALGAL OR FUNGAL PARTNER RESULTING IN THE BREAKDOWN OF BALANCE SYMBIOSIS LICHEN PHYSIOLOGISTS ARE THEREFORE FORCED TO USE FIELD GROWN MATERIAL WITH ALL THE PROBLEMS ASSOCIATED WITH THE UNKNOWN INFLUENCES OF UNPREDICTABLE AND UNREPRODUCIBLE CLIMATIC CONDITIONS STUDY OF MAJOR BIOCHEMICAL TOPICS SUCH AS THE NATURE OF THE CARBOHYDRATE AND NITROGENOUS COMPOUNDS PASSING BETWEEN THE SYMBIONTS IS LESS INFLUENCED BY CLIMATIC CONDITIONS THAN THE INTRINSIC NATURE OF THE SYMBIONTS AND MANY ADVANCES HAVE BEEN MADE IN THESE AREAS RECENTLY THE CHALLENGE OF USING FIELD GROWN PLANT MATERIAL THE PHYSIOLOGICAL STATUS OF WHICH IS INTIMATELY LINKED TO ENVIRONMENTAL CONDITIONS HAS PROVED TO BE A STIMULUS RATHER THAN A HINDRANCE TO A NUMBER OF RESEARCH GROUPS THE OCCURRENCE OF LICHENS IN EXTREME HABITATS HAS PROMPTED A NUMBER OF FIELD AND LABORATORY STUDIES WITH MATERIAL FROM SUCH DIVERSE LOCALITIES AS THE COLD DESERTS OF ANTARCTICA AND THE TEMPERATE RAIN FORESTS OF THE NEW ZEALAND BUSH A COMPARATIVE APPROACH USING CONTRASTED

2013-11-24

11/18

WILDLIFE AND EMERGING ZOO NOTIC DISEASES THE BIOLOGY CIRCUMSTANCES AND CONSEQUENCES OF CROSS SPECIES TRANSMISSION

SPECIES OR HABITATS FROM A PARTICULAR GEOGRAPHICAL REGION HAS YIELDED MUCH INFORMATION AND AN APPRECIATION OF THE VARIETY OF PHYSIOLOGICAL ADAPTATIONS WHICH MAY EXIST THE CLOSE LINKAGE BETWEEN MORPHOLOGY AND PHYSIOLOGY IS NOW BEING DIRECTLY DEMONSTRATED AS IS THE RELEVANCE OF ULTRASTRUCTURAL INFORMATION

POSTHARVEST BIOLOGY AND TECHNOLOGY OF TROPICAL AND SUBTROPICAL FRUITS

2011-09-19

CONTENTS BIOLOGY THE BASIS OF AGRONOMY THE HISTORY OF BIOLOGY A HISTORY OF IDEOLOGICAL BATTLE TWO WORLDS TWO IDEOLOGIES IN BIOLOGY THE SCHOLASTICISM OF MENDELISM MORGANISM THE IDEA OF UNKNOWABILITY IN THE TEACHING ON HEREDITARY SUBSTANCE THE STERILITY OF MORGANISM MENDELISM MICHURIN S TEACHING THE FOUNDATION OF SCIENTIFIC BIOLOGY YOUNG SOVIET BIOLOGISTS SHOULD STUDY THE MICHURIN TEACHING FOR A CREATIVE SCIENTIFIC BIOLOGY CONCLUDING REMARKS APPENDIX RESOLUTION ADOPTED BY THE SESSION OF THE LENIN ACADEMY OF AGRICULTURAL SCIENCES OF THE USSR ON THE ADDRESS DELIVERED BY T D LYSENKO ON THE SITUATION IN BIOLOGICAL SCIENCE

LICHEN PHYSIOLOGY AND CELL BIOLOGY

2012-12-06

TODAY S MICROORGANISMS REPRESENT THE VAST MAJORITY OF BIODIVERSITY ON EARTH AND HAVE SURVIVED NEARLY 4 BILLION YEARS OF EVOLUTIONARY CHANGE HOWEVER WE STILL KNOW LITTLE ABOUT THE PROCESSES OF EVOLUTION AS APPLIED TO MICROORGANISMS AND MICROBIAL POPULATIONS MICROBIAL EVOLUTION OCCURRED AND CONTINUES TO TAKE PLACE IN A VAST VARIETY OF ENVIRONMENTAL CONDITIONS THAT RANGE FROM ANOXIC TO OXIC FROM HOT TO COLD FROM FREE LIVING TO SYMBIOTIC ETC SOME OF THESE PHYSICOCHEMICAL CONDITIONS ARE CONSIDERED EXTREME PARTICULARLY WHEN INHABITANTS ARE LIMITED TO MICROORGANISMS IT IS EASY TO IMAGINE THAT MICROBIAL LIFE IN EXTREME ENVIRONMENTS IS SOMEHOW MORE CONSTRAINED AND PERHAPS SUBJECTED TO DIFFERENT EVOLUTIONARY PRESSURES BUT WHAT DO WE ACTUALLY KNOW ABOUT MICROBIAL EVOLUTION UNDER EXTREME CONDITIONS AND HOW CAN WE APPLY THAT KNOWLEDGE TO OTHER CONDITIONS APPEALINGLY EXTREME ENVIRONMENTS WITH THEIR RELATIVELY LIMITED NUMBERS OF INHABITANTS CAN SERVE AS GOOD MODEL SYSTEMS FOR THE STUDY OF EVOLUTIONARY PROCESSES A LOOK AT THE MICROBIAL INHABITANTS OF TODAY S EXTREME ENVIRONMENTS PROVIDES A SNAPSHOT IN TIME OF EVOLUTION AND ADAPTATION TO EXTREME CONDITIONS THESE ADAPTATIONS MANIFEST AT DIFFERENT LEVELS FROM ESTABLISHED COMMUNITIES AND SPECIES TO GENOME CONTENT AND CHANGES IN SPECIFIC GENES THAT RESULT IN ALTERED FUNCTION OR GENE EXPRESSION BUT AS A RECENT 2011 REPORT FROM THE AMERICAN ACADEMY OF MICROBIOLOGY OBSERVES A COMPLEX ISSUE IN THE STUDY OF MICROBIAL EVOLUTION IS UNRAVELING THE PROCESS OF EVOLUTION FROM THAT OF ADAPTATION IN MANY CASES MICROBES HAVE THE CAPACITY TO ADAPT TO VARIOUS ENVIRONMENTAL CHANGES BY CHANGING GENE EXPRESSION OR COMMUNITY COMPOSITION AS OPPOSED TO HAVING TO EVOLVE ENTIRELY NEW CAPABILITIES WE HAVE LEARNED MUCH ABOUT HOW MICROBES ARE ADAPTED TO EXTREME CONDITIONS BUT RELATIVELY LITTLE IS KNOWN ABOUT THESE ADAPTATIONS EVOLVED HOW DID THE DIFFERENT PROCESSES OF EVOLUTION SUCH AS MUTATION IMMIGRATION HORIZONTAL LATERAL GENE TRANSFER RECOMBINATION HYBRIDIZATION GENETIC DRIFT FIXATION POSITIVE AND NEGATIVE SELECTION AND SELECTIVE SCREENS CONTRIBUTE TO THE EVOLUTION OF THESE GENES GENOMES MICROBIAL SPECIES COMMUNITIES AND FUNCTIONS WHAT ARE TYPICAL RATES OF THESE PROCESSES HOW PREVALENT ARE EACH OF THESE PROCESSES UNDER DIFFERENT CONDITIONS THIS BOOK EXPLORES THE CURRENT STATE OF KNOWLEDGE ABOUT MICROBIAL EVOLUTION UNDER EXTREME CONDITIONS AND ADDRESSES THE FOLLOWING QUESTIONS WHAT IS KNOWN ABOUT THE PROCESSES OF MICROBIAL EVOLUTION MECHANISMS RATES ETC UNDER EXTREME CONDITIONS CAN THIS KNOWLEDGE BE APPLIED TO OTHER SYSTEMS AND WHAT IS THE BROADER RELEVANCE WHAT REMAINS UNKNOWN AND REQUIRES FUTURE RESEARCH THESE QUESTIONS WILL BE ADDRESSED FROM SEVERAL PERSPECTIVES INCLUDING DIFFERENT EXTREME ENVIRONMENTS SPECIFIC ORGANISMS AND SPECIFIC EVOLUTIONARY PROCESSES

THE SITUATION IN BIOLOGICAL SCIENCE

2005

WRITTEN BY AUTHORITIES FROM VARIOUS RELATED SPECIALTIES THIS BOOK PRESENTS THE MOST COMPLETE TREATMENT POSSIBLE OF THE CONDITIONS RESPONSIBLE FOR WATER AND SANITATION RELATED DISEASES THE PATHOGENS AND THEIR BIOLOGY MORBIDITY AND MORTALITY RESULTING FROM LACK OF SAFE WATER AND SANITATION DISTRIBUTION OF THESE DISEASES AND THE CONDITIONS THAT MUST BE MET TO REDUCE OR ERADICATE THEM PREVENTIVE MEASURES AND SOLUTIONS ARE PRESENTED THROUGHOUT THIS BOOK IS AN ESSENTIAL RESOURCE FOR ALL GRADUATE STUDENTS POSTDOCTORAL SCHOLARS AND PROFESSIONALS IN INFECTIOUS DISEASE PUBLIC HEALTH AND MEDICINE CHEMICAL AND ENVIRONMENTAL ENGINEERING AND INTERNATIONAL AFFAIRS KEY FEATURES SPECIALTIES TO ADDRESS EACH AREA COVERED AND TO INTERCONNECTION AMONG MANY FACTORS RELATED TO WATER RELATED DISEASES SANITATION AND HYGIENE BRINGS TOGETHER EXPERTS FROM VARIOUS SPECIALTIES TO ADDRESS EACH AREA COVERED AND TO

2013-11-24

12/18

WILDLIFE AND EMERGING ZOO NOTIC DISEASES THE BIOLOGY CIRCUMSTANCES AND CONSEQUENCES OF CROSS SPECIES TRANSMISSION

ASSIST IN BRINGING ABOUT THE UNDERSTANDING OF THOSE INTERCONNECTIONS PROVIDES EXAMPLES OF SUCCESSFUL INTERVENTIONS WITH KNOWLEDGE ABOUT HOW THEY WERE BROUGHT ABOUT SO THAT INFORMATION CAN BE USE TO REPLICATE THE INITIATIVE IN FULL OR IN PART PROVIDES AN APPRECIATION OF THE CONCERNS AND SOLUTIONS ADDRESSED FROM AN INTERNATIONAL PERSPECTIVE WITH HIGH AND LOW TECHNOLOGICAL SOLUTIONS PROVIDES INSIGHT INTO THE INTERNATIONAL DIMENSION OF THESE CONCERNS AND HOW THEY CAN BE BEST ADDRESSED FOUR HOURS OF ACCOMPANYING MULTIMEDIA DVD ON TWO DISCS LEARN MORE ABOUT THIS TITLE AND SHARE INFORMATION WITH COLLEAGUES AND FRIENDS USING THIS THREE PAGE FLIER SOLUTIONS SITE ORG DVD INSERT PDF

MICROBIAL EVOLUTION UNDER EXTREME CONDITIONS

2015-03-10

OVER THE LAST DECADES SCIENTISTS HAVE BEEN INTRIGUED BY THE FASCINATING ORGANISMS THAT INHABIT EXTREME ENVIRONMENTS THESE ORGANISMS KNOWN AS EXTREMOPHILES THRIVE IN HABITATS WHICH FOR OTHER TERRESTRIAL LIFE FORMS ARE INTOLERABLY HOSTILE OR EVEN LETHAL BASED ON SUCH TECHNOLOGICAL ADVANCES THE STUDY OF EXTREMOPHILES HAS PROVIDED OVER THE LAST FEW YEARS GROUND BREAKING DISCOVERIES THAT CHALLENGE THE PARADIGMS OF MODERN BIOLOGY IN THE NEW BIOECONOMY FUNGI IN GENERAL PLAY A VERY IMPORTANT ROLE IN ADDRESSING MAJOR GLOBAL CHALLENGES BEING INSTRUMENTAL FOR IMPROVED RESOURCE EFFICIENCY MAKING RENEWABLE SUBSTITUTES FOR PRODUCTS FROM FOSSIL RESOURCES UPGRADING WASTE STREAMS TO VALUABLE FOOD AND FEED INGREDIENTS COUNTERACTING LIFE STYLE DISEASES AND ANTIBIOTIC RESISTANCE THROUGH STRENGTHENING THE GUT BIOTA MAKING CROP PLANTS MORE ROBUST TO SURVIVE CLIMATE CHANGE CONDITIONS AND FUNCTIONING AS HOST ORGANISMS FOR PRODUCTION OF NEW BIOLOGICAL DRUGS THIS RANGE OF NEW USES OF FUNGI ALL STAND ON THE SHOULDERS OF THE EFFORTS OF MYCOLOGISTS OVER GENERATIONS THE BOOK IS ORGANIZED IN FIVE PARTS I BIODIVERSITY ECOLOGY GENETICS AND PHYSIOLOGY OF EXTREMOPHILIC FUNGI II BIOSYNTHESIS OF NOVEL BIOMOLECULES AND EXTREMOZYMES III BIOENERGY AND BIOFUEL SYNTHESIS AND IV WASTEWATER AND BIOSOLIDS TREATMENT AND V BIOREMEDIATION

WATER AND SANITATION-RELATED DISEASES AND THE ENVIRONMENT

2011-10-24

ONE HEALTH IS AN EMERGING CONCEPT THAT AIMS TO BRING TOGETHER HUMAN ANIMAL AND ENVIRONMENTAL HEALTH ACHIEVING HARMONIZED APPROACHES FOR DISEASE DETECTION AND PREVENTION IS DIFFICULT BECAUSE TRADITIONAL BOUNDARIES OF MEDICAL AND VETERINARY PRACTICE MUST BE CROSSED IN THE 19TH AND EARLY 20TH CENTURIES THIS WAS NOT THE CASE THEN RESEARCHERS LIKE LOUIS PASTEUR AND ROBERT KOCH AND PHYSICIANS LIKE WILLIAM OSLER AND RUDOLPH VIRCHOW CROSSED THE BOUNDARIES BETWEEN ANIMAL AND HUMAN HEALTH MORE RECENTLY CALVIN SCHWABE REVISED THE CONCEPT OF ONE MEDICINE THIS WAS CRITICAL FOR THE ADVANCEMENT OF THE FIELD OF EPIDEMIOLOGY ESPECIALLY AS APPLIED TO ZONOTIC DISEASES THE FUTURE OF ONE HEALTH IS AT A CROSSROADS WITH A NEED TO MORE CLEARLY DEFINE ITS BOUNDARIES AND DEMONSTRATE ITS BENEFITS INTERESTINGLY THE GREATEST ACCEPTANCE OF ONE HEALTH IS SEEN IN THE DEVELOPING WORLD WHERE IT IS HAVING SIGNIFICANT IMPACTS ON CONTROL OF INFECTIOUS DISEASES

FUNGI IN EXTREME ENVIRONMENTS: ECOLOGICAL ROLE AND BIOTECHNOLOGICAL SIGNIFICANCE

2019-07-22

WHAT IS EVOLUTION WHAT IS A GENE HOW DID THESE CONCEPTS ORIGINATE AND HOW DID THEY DEVELOP THIS BOOK IS A SHORT HISTORY RANGING FROM LAMARCK AND DARWIN TO DNA AND THE HUMAN GENOME PROJECT EXPLORING THE CONCEPTUAL OPPOSITIONS TECHNIQUES INSTITUTIONAL CONDITIONS AND CONTROVERSIES THAT HAVE SHAPED THE DEVELOPMENT OF BIOLOGY

ONE HEALTH: THE HUMAN-ANIMAL-ENVIRONMENT INTERFACES IN EMERGING INFECTIOUS DISEASES

2016-08-23

THIS BOOK SHOWS HOW DARWINIAN BIOLOGY SUPPORTS AN ARISTOTELIAN VIEW OF ETHICS AS ROOTED IN HUMAN NATURE DEFENDING A CONCEPTION OF DARWINIAN NATURAL RIGHT BASED ON THE CLAIM THAT THE GOOD IS THE DESIRABLE THE AUTHOR ARGUES THAT THERE ARE AT LEAST TWENTY NATURAL DESIRES THAT ARE UNIVERSAL TO ALL HUMAN SOCIETIES AND THAT THESE DESIRES CAN BE USED TO GUIDE THE DEVELOPMENT OF POLICY

2013-11-24

13/18

WILDLIFE AND EMERGING ZONOTIC DISEASES THE BIOLOGY CIRCUMSTANCES AND CONSEQUENCES OF CROSS SPECIES TRANSMISSION

SATISFACTION OF THESE NATURAL DESIRES CONSTITUTES A UNIVERSAL STANDARD FOR JUDGING SOCIAL PRACTICE AS EITHER FULFILLING OR FRUSTRATING HUMAN NATURE ALTHOUGH PRUDENCE IS REQUIRED IN JUDGING WHAT IS BEST FOR PARTICULAR CIRCUMSTANCES THE AUTHOR STUDIES THE FAMILIAL BONDING OF PARENTS AND CHILDREN AND THE CONJUGAL BONDING OF MEN AND WOMEN AS ILLUSTRATING SOCIAL BEHAVIOR THAT CONFORMS TO DARWINIAN NATURAL RIGHT HE ALSO STUDIES SLAVERY AND PSYCHOPATHY AS ILLUSTRATING SOCIAL BEHAVIOR THAT CONTRADICTS DARWINIAN NATURAL RIGHT HE ARGUES AS WELL THAT THE NATURAL MORAL SENSE DOES NOT REQUIRE RELIGIOUS BELIEF ALTHOUGH SUCH BELIEF CAN SOMETIMES REINFORCE THE DICTATES OF NATURE

GENESIS

2003

WHAT IS PUBLIC HEALTH TO SOME IT IS ABOUT DRAINS WATER FOOD AND HOUSING ALL REQUIRING ENGINEERING AND EXPERT MANAGEMENT TO OTHERS IT IS THE STATE USING MEDICINE OR HEALTH EDUCATION AND TACKLING UNHEALTHY LIFESTYLES THIS BOOK ARGUES THAT PUBLIC HEALTH THINKING NEEDS AN OVERHAUL A RETURN TO AND MODERNISATION AROUND ECOLOGICAL PRINCIPLES ECOLOGICAL PUBLIC HEALTH THINKING OUTLINED HERE FITS THE TWENTY FIRST CENTURY S CHALLENGES IT INTEGRATES WHAT THE AUTHORS CALL THE FOUR DIMENSIONS OF EXISTENCE THE MATERIAL BIOLOGICAL SOCIAL AND CULTURAL ASPECTS OF LIFE PUBLIC HEALTH BECOMES THE TASK OF TRANSFORMING THE RELATIONSHIP BETWEEN PEOPLE THEIR CIRCUMSTANCES AND THE BIOLOGICAL WORLD OF NATURE AND BODIES FOR GEOFF RAYNER AND TIM LANG THIS IS ABOUT FACING A NUMBER OF LONG TERM TRANSITIONS SOME WELL RECOGNIZED OTHERS NOT THESE TRANSITIONS ARE DEMOGRAPHIC EPIDEMIOLOGICAL URBAN ENERGY ECONOMIC NUTRITION BIOLOGICAL CULTURAL AND DEMOCRACY ITSELF THE AUTHORS ARGUE THAT IDENTIFYING LARGE SCALE TRANSITIONS SUCH AS THESE REFOCUS PUBLIC HEALTH ACTIONS ONTO THE CONDITIONS ON WHICH HUMAN AND ECO SYSTEMS HEALTH INTERACT MAKING THEIR CASE RAYNER AND LANG MAP PAST CONFUSIONS IN PUBLIC HEALTH IMAGES DEFINITIONS AND MODELS THIS IS AN OPTIMISTIC BOOK ARGUING PUBLIC HEALTH CAN BE RESCUED FROM ITS CURRENT DILEMMAS AND FRUSTRATIONS THIS CENTURY S AGENDA IS UNAVOIDABLY COMPLEX HOWEVER AND REQUIRES STRONGER AND MORE DARING COMBINATIONS OF INTERDISCIPLINARY WORK MOVEMENTS AND PROFESSIONS LOCALLY NATIONALLY AND GLOBALLY OUTLINING THESE IN THE CONCLUDING SECTION THE BOOK CHARTS A POSITIVE AND REINVIGORATED INSTITUTIONAL PURPOSE

DARWINIAN NATURAL RIGHT

1998-04-02

INTERFACES BETWEEN MEDIA WHETHER AIR WATER OR SEDIMENT WATER INTERFACES OR ORGANISMS THEMSELVES POSE CONSIDERABLE PROBLEMS TO MARINE ORGANISMS ATTEMPTING TO LIVE AT THESE BOUNDARIES IN THE PRESENT VOLUME A NUMBER OF AUTHORS ADDRESS VARIOUS ASPECTS OF THESE TWO TOPICS LOCATIONS UNDER SCRUTINY RANGE FROM INTERTIDAL AREAS TO THE DEEP SEA WHILE BOTH MACRO AND MEIOFAUNAL ORGANISMS ARE INVESTIGATED DISTRIBUTION PATTERNS AND EFFECTS OF VARIABLE TEMPERATURES PRESSURES AND SALINITIES ARE ANALYSED ASPECTS OF FOULING INDUCTION AND PREVENTION ARE ALSO ADDRESSED THIS BOOK IS INTENDED AS A PROGRESS REPORT FROM THE 33RD EUROPEAN MARINE BIOLOGY SYMPOSIUM HELD IN WILHELMSHAVEN GERMANY IN SEPTEMBER 1998

ECOLOGICAL PUBLIC HEALTH

2013-06-19

HOW DID A YOUNG NATIVE OF THE AMERICAN SOUTH RAISED IN AN ERA OF RACISM AND SEGREGATION RISE TO A HIGHLY DECORATED POSITION AT THE FOREFRONT OF MOLECULAR BIOLOGY RESEARCH UP FROM MISSISSIPPI FOLLOWS THE REMARKABLE CAREER OF JAMES DARNELL A MAJOR PLAYER IN SOME OF THE DISCOVERIES THAT ILLUMINATED OUR UNDERSTANDING OF GENE EXPRESSION PAVING THE WAY FOR MEDICAL TECHNOLOGIES INCLUDING SOME COVID 19 VACCINES BASED ON MESSENGER RNA DARNELL RELATES NOT ONLY THE CIRCUMSTANCES AND DETAILS OF THESE LANDMARK FINDINGS BUT ALSO THE SHARED CURIOSITY AND EXCITEMENT THAT DROVE HIM AND HIS COLLEAGUES AND CONTINUES TO DRIVE HIS MANY PROTEGES TODAY FROM CHILDHOOD AND COLLEGE IN MISSISSIPPI TO MEDICAL SCHOOL IN ST LOUIS TO PARIS FOR A STINT AT THE PASTEUR INSTITUTE AND BACK STATESIDE TO A SERIES OF PRESTIGIOUS INSTITUTIONS INSTRUMENTAL TO THE EMERGENCE OF MOLECULAR BIOLOGY AS A DISCIPLINE UP FROM MISSISSIPPI IS THE STORY OF A LIFE SPENT IN GROUNDBREAKING RESEARCH AMONG COLORFUL CHARACTERS WHO WENT ON TO WIN WORLDWIDE RECOGNITION AS WELL AS A HISTORY OF SCIENCE IN THE TWENTIETH CENTURY JAMES E DARNELL IS A MEMBER OF THE AMERICAN NATIONAL ACADEMY OF SCIENCES AND RECIPIENT OF THE NATIONAL MEDAL OF SCIENCE AND THE LASKER AWARD FOR MEDICAL SCIENCE HE HAS TAUGHT AT THE ROCKEFELLER UNIVERSITY SINCE 1974 AND DONE RESEARCH AND TEACHING AT THE NATIONAL INSTITUTES OF HEALTH THE PASTEUR INSTITUTE MIT ALBERT EINSTEIN COLLEGE OF MEDICINE AND COLUMBIA UNIVERSITY

2013-11-24

14/18

LIFE AT INTERFACES AND UNDER EXTREME CONDITIONS

2012-10-12

RESOURCE MANAGEMENT DECISIONS ESPECIALLY IN THE AREA OF PROTECTING AND MAINTAINING BIODIVERSITY ARE USUALLY INCREMENTAL LIMITED IN TIME BY THE ABILITY TO FORECAST CONDITIONS AND HUMAN NEEDS AND THE RESULT OF TRADEOFFS BETWEEN CONSERVATION AND OTHER MANAGEMENT GOALS THE INDIVIDUAL DECISIONS MAY NOT HAVE A MAJOR EFFECT BUT CAN HAVE A CUMULATIVE MAJOR EFFECT PERSPECTIVES ON BIODIVERSITY REVIEWS CURRENT UNDERSTANDING OF THE VALUE OF BIODIVERSITY AND THE METHODS THAT ARE USEFUL IN ASSESSING THAT VALUE IN PARTICULAR CIRCUMSTANCES IT RECOMMENDS AND DETAILS A LIST OF COMPONENTS INCLUDING DIVERSITY OF SPECIES GENETIC VARIABILITY WITHIN AND AMONG SPECIES DISTRIBUTION OF SPECIES ACROSS THE ECOSYSTEM THE AESTHETIC SATISFACTION DERIVED FROM DIVERSITY AND THE DUTY TO PRESERVE AND PROTECT BIODIVERSITY THE BOOK ALSO RECOMMENDS THAT MORE INFORMATION ABOUT THE ROLE OF BIODIVERSITY IN SUSTAINING NATURAL RESOURCES BE GATHERED AND SUMMARIZED IN WAYS USEFUL TO MANAGERS ACKNOWLEDGING THAT DECISIONS ABOUT BIODIVERSITY ARE NECESSARILY QUALITATIVE AND CHANGE OVER TIME BECAUSE OF THE NONMARKET NATURE OF SO MANY OF THE VALUES THE COMMITTEE RECOMMENDS PERIODIC REVIEWS OF MANAGEMENT DECISIONS

UP FROM MISSISSIPPI

2021-06-25

THIS BOOK PROVIDES AN OVERVIEW OF THE HISTORY OF INTEGRATIVE BIOINFORMATICS AND THE ACTUAL SITUATION AND THE RELEVANT TOOLS SUBJECTS COVER THE ESSENTIAL TOPICS BASIC INTRODUCTIONS AND LATEST DEVELOPMENTS BIOLOGICAL DATA INTEGRATION AND MANIPULATION MODELING AND SIMULATION OF NETWORKS AS WELL AS A NUMBER OF APPLICATIONS OF INTEGRATIVE BIOINFORMATICS IT AIMS TO PROVIDE BASIC INTRODUCTION OF BIOLOGICAL INFORMATION SYSTEMS AND GUIDANCE FOR THE COMPUTATIONAL ANALYSIS OF SYSTEMS BIOLOGY THIS BOOK COVERS A RANGE OF ISSUES AND METHODS THAT UNVEIL A MULTITUDE OF OMICS DATA INTEGRATION AND RELEVANCE THAT INTEGRATIVE BIOINFORMATICS HAS TODAY IT CONTAINS A UNIQUE COMPILATION OF INVITED AND SELECTED ARTICLES FROM THE JOURNAL OF INTEGRATIVE BIOINFORMATICS JIB AND ANNUAL MEETINGS OF THE INTERNATIONAL SYMPOSIUM ON INTEGRATIVE BIOINFORMATICS

PERSPECTIVES ON BIODIVERSITY

1999-10-01

THIS BOOK FOCUSES ON GLOBAL ASPECTS OF COMMON CARPS BIOLOGICAL FEATURES ECOLOGY AND DISEASES COMMON CARP HAVE A HIGH ADAPTIVE CAPACITY IN A WIDE RANGE OF CONDITIONS AND HABITATS THAT HAVE ENABLED THEM TO BE DISTRIBUTED ACROSS MOST REGIONS OF THE WORLD EXCEPT ANTARCTICA COMMON CARP PLAY AN ESSENTIAL ROLE IN FEEDING THE WORLD AS ONE OF THE HIGHEST SOURCES OF ANIMAL PROTEIN FOR HUMANS WORLDWIDE THEREFORE AN UNDERSTANDING OF VARIOUS BIOLOGICAL ASPECTS OF COMMON CARP ACROSS THE ENVIRONMENTS THEY INHABIT ARE ESSENTIAL FOR THEIR CARE AND MANAGEMENT IN WILD OR CULTURED SITUATIONS CREATING A COMPENDIUM OF KNOWLEDGE SURROUNDING COMMON CARP BIOLOGY WILL PROVIDE USEFUL KNOWLEDGE FOR AQUACULTURISTS AND SCIENTISTS WORKING TO MAXIMIZE THEIR PRODUCTION BIOLOGICAL ASPECTS OF COMMON CARP VARY DEPENDING ON THE MODE OF MANAGEMENT AND ENVIRONMENT IN WHICH THEY ARE GROWING THIS BOOK DESCRIBES IN DETAIL VARIOUS IMPORTANT BIOLOGICAL ASPECTS PARTICULARLY HABITAT GROWTH AND PRODUCTION FOOD HABITS BREEDING MATURATION FECUNDITY AND BEHAVIOR OF COMMON CARP WHICH WILL BENEFIT AQUACULTURISTS STUDENTS AND SCIENTISTS ZOOPLANKTON AND ZOOBENTHOS COMMUNITIES ARE CRITICAL COMPONENTS OF FRESHWATER ECOSYSTEMS AND ARE VERY IMPORTANT FOR SUSTAINING CARP POPULATIONS BOTH WILD AND CULTURED THIS BOOK ALSO HELPS THE READER TO UNDERSTAND THE ECOLOGY OF CARP PONDS PARTICULARLY HOW COMMON CARP AND POND MANAGEMENT INFLUENCE ZOOPLANKTON AND ZOOBENTHOS ECOLOGY COMMON CARP IS THE PREFERRED FOOD FISH FOR MANY ASIAN AND EUROPEAN CONSUMERS TWO CHAPTERS DESCRIBE NUTRITIONAL ASPECTS OF COMMON CARP WITH SPECIAL ATTENTION CONCERNING FACTORS THAT INFLUENCE MEAT QUALITY IN TERMS OF PROXIMATE AND FATTY ACIDS COMPOSITION LIKE OTHER FISH COMMON CARP ALSO ENCOUNTER MANY DISEASES DURING THEIR LIFESPAN VARIOUS BIOLOGICAL AGENTS PATHOGENS PARTICULARLY VIRUSES BACTERIA FUNGI AND PARASITES MAY INITIATE DISEASE THEIR GROWTH AND ABUNDANCE ARE RELATED TO VARIOUS ENVIRONMENTAL FACTORS SUCH AS TEMPERATURE VARIOUS DISSOLVED GASES PH AND AVAILABILITY OF FOOD THEREFORE IN ADDITION TO BIOLOGY AND ECOLOGY THIS BOOK PROVIDES A CLEAR UNDERSTANDING ABOUT VARIOUS METHODOLOGIES OF IDENTIFYING VARIOUS DISEASES OF COMMON CARP TOGETHER WITH METHODS AND THE METHODS OF MANAGING DISEASE PARTICULARLY PREVENTATIVE AND CONTROL MEASURES

2013-11-24

15/18

INTEGRATIVE BIOINFORMATICS

2022-04-15

KNOWN FOR ITS UNIQUE SPECIAL TOPIC CHAPTERS AND EMPHASIS ON EVERYDAY HEALTH CONCERNS THE FIFTH EDITION OF BIOLOGY OF HUMANS CONCEPTS APPLICATIONS AND ISSUES CONTINUES TO PERSONALIZE THE STUDY OF HUMAN BIOLOGY WITH A CONVERSATIONAL WRITING STYLE STUNNING ART ABUNDANT APPLICATIONS AND TOOLS TO HELP YOU DEVELOP CRITICAL THINKING SKILLS THE AUTHORS GIVE YOU A PRACTICAL AND FRIENDLY INTRODUCTION FOR UNDERSTANDING HOW THEIR BODIES WORK AND FOR PREPARING THEM TO NAVIGATE TODAY'S WORLD OF RAPIDLY EXPANDING AND SHIFTING HEALTH INFORMATION EACH CHAPTER NOW OPENS WITH NEW DID YOU KNOW QUESTIONS THAT PIQUE YOUR INTEREST WITH INTRIGUING AND LITTLE KNOWN FACTS ABOUT THE TOPIC THAT FOLLOWS THE FIFTH EDITION ALSO FEATURES A NEW SPECIAL TOPIC CHAPTER TITLED BECOMING A PATIENT A MAJOR DECISION WHICH DISCUSSES HOW TO SELECT A DOCTOR AND OR A HOSPITAL HOW TO RESEARCH HEALTH CONDITIONS AND MORE

CYPRINUS CARPIO

2018

BIOLOGY OF HUMANS

2013-01-09

GUIDA EMERGING AL CORPO UMANO CORPO UMANO. LA GUIDA INFOGRAFICA AND PER CONOSCERLO AL MEGLIO OCCHIO AL EMERGING CORPO UMANO. LIBRO POP-UP OCCHIO AL CORPO UMANO. LIBRO POP-UP. EDIZ. A OF COLORI CIRCUMSTANCES ANCIENT NARRATIVE VOLUME 1 (2000-2001) INVENTION TO CONSEQUENCES DEFEND YOURSELF FROM THE CORONAVIRUS COVID-19 CONTEXTUAL AND TRANSMISSION CROSSLINGUISTIC FACETS OF EMOTION CONCEPTS THE DYNAMICS OF EMERGING INTERTEXTUALITY IN PLUTARCH BIOLOGY CORPO UMANO L'ADAMO, OVVERO IL MONDO CREATO, POEMA BIOLOGY FILOSOFICO DI D. T. CAMPAILLA ... CON GLI ARGOMENTI DELLO STESSO AUTORE, TRADOTTI IN METRO EROICO-LATINO ... DAL SIGNOR D. GIUSEPPE PRESCIMONE, ETC. EDITED BY G. PRESCIMONE. WITH AN ADDRESS TO THE READER BY J. DE MAZARA ED ECHEBELZ, ENLARGED TRADITIONS CROSS OF THEOLOGY DELLE CINQUE PIAGHE DELLA SANTA CHIESA. TRATTATO DEDICATO AL CLERO CATTOLICO, CON APPENDICE DI DUE LETTERE SULLA ELEZIONE CIRCUMSTANCES DE' VESCOVI A CLERO E POPOLO RITI E COSTUMI DEGLI EBREI OF CONFUTATI MANTUA HUMANISTIC STUDIES. OF VOLUME III AND ELEMENTI DI FILOSOFIA AD USO DE' GIOVANETTI. QUINTA EDIZIONE THE EARLY HISTORY OF THE MEDICAL PROFESSION IN THE COUNTY OF NORFOLK, MASS. AN OF ADDRESS DELIVERED BEFORE THE NORFOLK DISTRICT MEDICAL SOCIETY, ETC GUIDA TRANSMISSION ALLE TERME EUGANEE. [WITH FOLDING TABLES AND A MAP.] CAPA E PPIERE EMERGING LEZIONI SUI FENOMENI FISICO-CHIMICI DEI CORPI VIVENTI. CIRCUMSTANCES SECONDA EDIZIONE MEMORIA DI MONS. RICCI, EX-VESCOVO DI PISTOJA, E PRATO, A FAVORE DELL'ASSEMBLEA DI PARIGI CONFUTATA DA WILDLIFE MONSIGNORE ***, VESCOVO DI *** IN FRANCIA IN UNA SUA LETTERA A MONSIG. *** IN ITALIA. [BY THE CANON BARTOLI OF FLORENCE.] TRADUZIONE LIBERA DAL FRANCESE DI L. GRISEI LA CONCETTUALIZZAZIONE DEL CORPO UMANO NEL DISCORSO PERSUASIVO RIVOLTO AL PUBBLICO FEMMINILE SPECIES COSTRUIRONO I PRIMI CIRCUMSTANCES TEMPLI VIATOR EMERGING VIAGGIO ALLA SCOPERTA DEL CORPO UMANO THE FRANCIS BACON CIRCUMSTANCES ENCICLOPEDIA ECONOMICA ACCOMODATA AND ALL' INTELLIGENZA AND THE INTRICACY OF LANGUAGES L'OMBRA DI POPE. POEMETTO ... IN CUI SI LODANO GLI STUDI FILOSOFICI DI SUA ALTEZZA IL SIG. PRINCIPE D. LUIGI GONZAGA DI CASTIGLIONE. [FOLLOWED BY "SAGGIO ANALITICO DELL'ELOGIO DA FARSÌ DELLO SPIRITO UMANO ... LETTO ALLA SOCIETÀ REALE DI SPECIES LONDRA, L'ANNO 1777."] H R I ALE OF CUNOA TERII. SUNETE, MIRESMI I MIASME CROSS DIARIO DI UNA CELLULA PIER CROSS PAOLO PASOLINI LA CITTÀ THE ALTRA. STORIA E IMMAGINE DELLA DIVERSITÀ URBANA: LUOGHI E PAESAGGI DEI PRIVILEGI E DEL BENESSERE, DELL'ISOLAMENTO, DEL DISAGIO, DELLA MULTICULTURALITÀ. EDIZ. ITALIANA E INGLESE LIVORNO DALLA SUA BIOLOGY ORIGINE SINO AI NOSTRI TEMPI INDEX-CATALOGUE WILDLIFE OF THE LIBRARY OF THE SURGEON-GENERAL'S OFFICE, UNITED STATES ARMY OPERE COMPLETE. VOL. TRANSMISSION 1 CULTURAL LANDSCAPE REPORT FOR SAINT-GAUDENS NATIONAL HISTORIC SITE EMERGING DIETA SIRT ZONOTIC KOSMOS IM XXI. JAHRHUNDERT KOSMOS DISEASES NEL XXI SECOLO THE BLACK DEATH WILDLIFE AND THE TRANSFORMATION OF THE WEST

EVENTUALLY, **WILDLIFE AND EMERGING ZONOTIC DISEASES THE BIOLOGY CIRCUMSTANCES AND CONSEQUENCES OF CROSS SPECIES TRANSMISSION** WILL UTTERLY DISCOVER A OTHER EXPERIENCE AND FINISHING BY SPENDING MORE CASH. YET WHEN? PULL OFF YOU TAKE THAT YOU REQUIRE TO ACQUIRE THOSE ALL NEEDS TAKING INTO ACCOUNT HAVING SIGNIFICANTLY CASH? WHY DONT YOU ATTEMPT TO GET SOMETHING BASIC IN THE BEGINNING? THATS SOMETHING THAT WILL LEAD YOU TO COMPREHEND EVEN MORE WILDLIFE AND EMERGING ZONOTIC DISEASES THE BIOLOGY CIRCUMSTANCES AND CONSEQUENCES OF CROSS SPECIES TRANSMISSION VIS--VIS THE GLOBE, EXPERIENCE, SOME PLACES, SUBSEQUENT TO HISTORY, AMUSEMENT, AND A LOT MORE?

IT IS YOUR ENTIRELY WILDLIFE AND EMERGING ZONOTIC DISEASES THE BIOLOGY CIRCUMSTANCES AND CONSEQUENCES OF CROSS SPECIES TRANSMISSION OWN MATURE TO PUT IT ON REVIEWING HABIT. IN THE COURSE OF GUIDES YOU COULD ENJOY NOW IS **WILDLIFE AND EMERGING ZONOTIC DISEASES THE BIOLOGY CIRCUMSTANCES AND CONSEQUENCES OF CROSS SPECIES TRANSMISSION** BELOW.