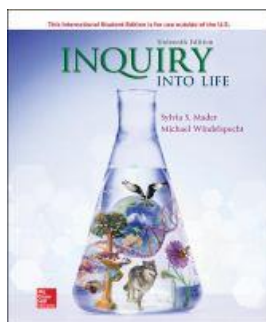


BIOLOGY

SCOPE

Study of living things and their vital processes. The field deals with all the physicochemical aspects of life. The modern tendency toward cross-disciplinary research and the unification of scientific knowledge and investigation from different fields has resulted in significant overlap of the field of biology with other scientific disciplines. [Source: *britannica.com*]



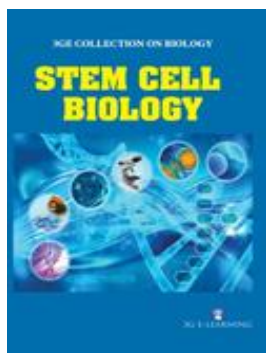
Inquiry into life (2020)

Mader, Sylvia S.

CO QH308.2 M33 2020

Located in Fr Jose T Bacatan SJ Library – Circulation Section

Inquiry into Life was originally developed to reach out to science-shy students. The text now represents one of the cornerstones of introductory biology education and was founded on the belief that teaching science from a human perspective, coupled with human applications, makes the material more relevant to the student. As scientists and educators, the authors are aware that scientific discovery is a dynamic process and the advances in digital publishing are allowing authors to update content on a regular basis.



3GE collection on biology: stem cell biology (2019)

3G E-learning, LLC, USA

CO QH587 .S72 2019

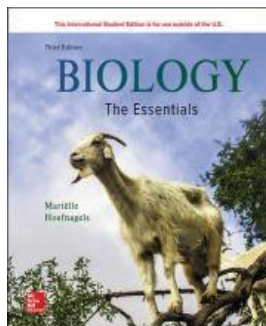
Located in Fr Jose T Bacatan SJ Library – Circulation Section

Stem cells refer to the undifferentiated biological cells that can divide themselves through mitosis to form more stem cells. This book provides a comprehensive and engaging overview of the latest innovations in the field. Stem cell also involves complex ethical and legal considerations since they involve adult, fetal tissue and embryonic sources. This book provides a comprehensive review of the properties and potential uses of stem cells, including stem cells in tissue engineering, cancer, gene therapy and in dental tissues.

Search library resources at: <http://210.213.146.180:8080/#section=home>

Visit the library webpage at: <https://www.adzu.edu.ph/library/>

BIOLOGY



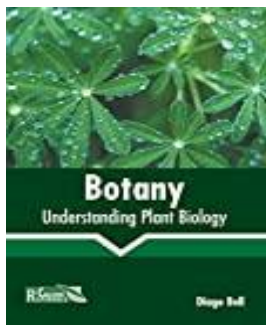
Biology: the essentials (2019)

Hoefnagels, Mariëlle

CO QH315 .H634 2019

Located in Fr Jose T Bacatan SJ Library – Circulation Section

THE HOEFNAGELS STORY...The third edition of Biology: The Essentials epitomizes what the market has come to recognize as Mariëlle Hoefnagels' distinct and student-friendly writing-style. Mariëlle presents up-to-date information through "What's the Point?", "Why We Care", and "Burning Questions"--pedagogical tools designed to demonstrate to readers, and her own students, that biology is everywhere. Biology: It offers a broader and more conceptual introduction to biology, simplifying the more complex biological content to the essential elements that students need to act as framework for the details.



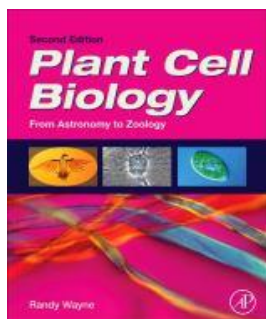
Botany: understanding plant biology (2019)

Bell, Diago

CO QK45.2 B45 2019

Located in Fr Jose T Bacatan SJ Library – Circulation Section

Botany is a field of biology that is concerned with the study of plant life. This field has its roots in herbalism, which later evolved with the development and applications of techniques such as optical and electron microscopy, live cell imaging, analysis of chromosome number and plant chemistry, among others. The techniques of molecular genetic analysis such as proteomics and genomics have also significantly advanced the frontiers of this science.



Plant cell biology from astronomy to zoology (2019)

Wayne, Randy

CO QK725 .W39 2019

Located in Fr Jose T Bacatan SJ Library – Circulation Section

Plant Cell Biology, Second Edition: From Astronomy to Zoology connects the fundamentals of plant anatomy, plant physiology, plant growth and development, plant taxonomy, plant biochemistry, plant molecular biology, and plant cell biology. It covers all aspects of plant cell biology without emphasizing any one plant, organelle, molecule, or technique. Although most examples are biased towards plants, basic similarities between all living eukaryotic cells (animal and plant) are recognized and used to best illustrate cell processes.

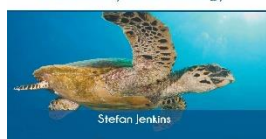
Search library resources at: <http://210.213.146.180:8080/#section=home>

Visit the library webpage at: <https://www.adzu.edu.ph/library/>

BIOLOGY



Marine Biology Biodiversity and Ecology



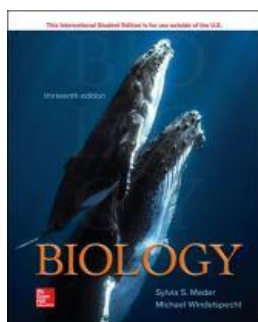
Marine biology: biodiversity and ecology (2019)

Jenkins, Stefan

CO QH91 .J46 2019

Located in Fr Jose T Bacatan SJ Library – Circulation Section

The scientific study of marine organisms and marine life in marine habitats is approached from the domain of marine biology. Marine habitats include the sea, coral reefs, seagrass meadows, kelp forests, thermal vents, etc. Marine organisms range in size from microscopic zooplankton and phytoplankton to massive cetaceans. In diversity, these organisms occupy all niches of organization, such as plants and algae, fungi, vertebrates and invertebrates.



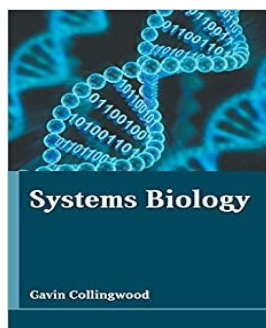
Biology (2019)

Mader, Sylvia S., Michael Windelspecht

CO QH308.2 M32 2019

Located in Fr Jose T Bacatan SJ Library – Circulation Section

The thirteenth edition is a traditional, comprehensive introductory biology textbook, with coverage from Cell Structure and Function to the Conservation of Biodiversity. The book, which centers on the evolution and diversity of organisms, is appropriate for any one- or two-semester biology course. It uses concise, precise writing to present the material as succinctly as possible, enabling students--even non-majors--to master the foundational concepts before coming to class.



Systems biology (2018)

Collingwood, Gavin

CO QH324.2 S978 2018

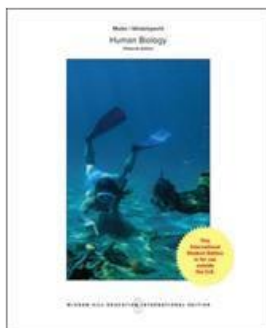
Located in Fr Jose T Bacatan SJ Library – Circulation Section

Systems biology studies the components of biology. Systems biology has a holistic approach towards the research done on the interactions that occur within biological systems. It integrates the principles from areas such as genomics, biomics, molecular biokinematics, phenomics, transcriptomics, glycomics, lipidomics, etc. It aims to serve as a resource guide for students and experts alike and contribute to the growth of the discipline.

Search library resources at: <http://210.213.146.180:8080/#section=home>

Visit the library webpage at: <https://www.adzu.edu.ph/library/>

BIOLOGY



Human biology (2018)

Mader, Sylvia S.

CO QP36 .M33 2018

Located in Fr Jose T Bacatan SJ Library – Circulation Section

Mader's Human Biology accomplishes the goal of improving scientific literacy, while establishing a foundation of knowledge in human biology and physiology. The text integrates a tested, traditional learning system with modern digital and pedagogical approaches designed to stimulate and engage today's student.



Theory, practice and techniques in biology (2018)

3G E-learning, LLC, USA

CO QH331 .T487 2018

Located in Fr Jose T Bacatan SJ Library – Circulation Section

Provides a philosophical analysis of such biological concepts as natural selection, adaptation, speciation, and evolution. Describes the discipline's history, explains its basic theories and concepts, demonstrates modern methods and research tools, and discusses noteworthy discoveries. The social, environmental, and technological aspects of biology are discussed throughout the book and students are encouraged to explore topics in depth through investigational and practical work.



Diagnostic molecular biology (2020)

Chang-Hui Shen

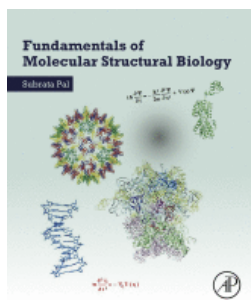
Available in ScienceDirect E-books

Diagnostic Molecular Biology describes the fundamentals of molecular biology in a clear, concise manner to aid in the comprehension of this complex subject. Each technique described in this book is explained within its conceptual framework to enhance understanding.

Search library resources at: <http://210.213.146.180:8080/#section=home>

Visit the library webpage at: <https://www.adzu.edu.ph/library/>

BIOLOGY



Fundamentals of molecular structural biology (2020)

Pal, Subrata

Available in ScienceDirect E-Books

Fundamentals of Molecular Structural Biology reviews the mathematical and physical foundations of molecular structural biology. Based on these fundamental concepts, it then describes molecular structure and explains basic genetic mechanisms. Given the increasingly interdisciplinary nature of research, early career researchers and those shifting into an adjacent field often require a "fundamentals" book to get them up-to-speed on the foundations of a particular field. This book fills that niche.



The Importance of laboratory animal genetics health, and the environment in biomedical research (1983)

Melby, Edward C Jr., Melvin W. Balk

Available in ScienceDirect E-Books

The Importance of Laboratory Animal Genetics, Health, and the Environment in Biomedical Research documents the proceedings of the Fifth Charles River International Symposium on Laboratory Animals, in Heidelberg, Federal Republic of Germany, March 14-16, 1983. These papers examine how the health and genetic monitoring of laboratory animals, coupled with environmental influences, affect the investigations of oncologists, toxicologists, or pharmacologists. The book is organized into four parts.



Mechanobiology (2020)

Niebur, Glen L.

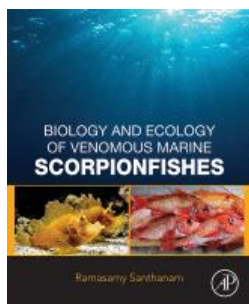
Available in ScienceDirect E-books

Mechanobiology: From Molecular Sensing to Disease will provide a review of the current state of understanding of mechanobiology and its role in health and disease. It covers: Current understanding of the main molecular pathways by which cells sense and respond to mechanical stimuli; A review of diseases that with known or purported mechanobiological underpinnings; The role of mechanobiology in tissue engineering and regenerative medicine; Experimental methods to capture mechanobiological phenomena; Computational models in mechanobiology.

Search library resources at: <http://210.213.146.180:8080/#section=home>

Visit the library webpage at: <https://www.adzu.edu.ph/library/>

BIOLOGY

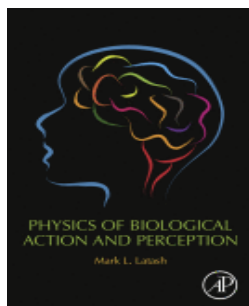


Biology and ecology of venomous marine scorpionfishes (2019)

Santhanam, Ramasamy

Available in ScienceDirect E-books

Biology and Ecology of Venomous Marine Scorpionfishes examines the diversity, utilization, and ways to safeguard against the world's most dangerous fish species. It covers the biological and ecological factors that differentiate each species in the Scorpaeninae (Scorpionfish) family and its Pteroinae (Lionfish) subfamily. This book offers important anatomical and identification information on marine scorpionfishes and delves into the diversity, habits and behaviors of each venomous species. In addition, it discusses the health risks that can plague these fish in and out of the wild, including parasites.

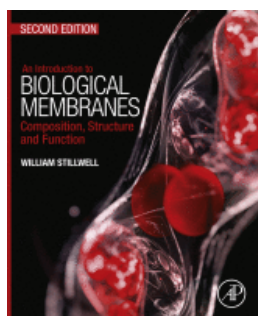


Physics of biological action and perception (2019)

Latash, Mark L.

Available in ScienceDirect E-books

Physics of Biological Action and Perception helps researchers interested in exploring biological motor control from a physics or alternative viewpoint perspective. The book introduces the idea of parametric control as a distinguishing feature of living systems. Sections cover how the CNS creates stable percepts based on fuzzy and continuously changing signals from numerous receptors and the variable processes related to ongoing actions.



An introduction to biological membranes composition, structure and function (2016)

Stillwell, William

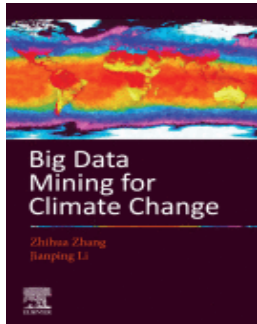
Available in ScienceDirect E-books

Introduction to Biological Membranes: Composition, Structure and Function, Second Edition is a greatly expanded revision of the first edition that integrates many aspects of complex biological membrane functions with their composition and structure. A single membrane is composed of hundreds of proteins and thousands of lipids, all in constant flux. Every aspect of membrane structural studies involves parameters that are very small and fast.

Search library resources at: <http://210.213.146.180:8080/#section=home>

Visit the library webpage at: <https://www.adzu.edu.ph/library/>

BIOLOGY

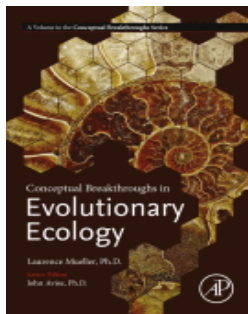


Big data mining for climate change (2020)

Zhihua Zhang, Jianping Li

Available in ScienceDirect E-books

Climate change mechanisms, impacts, risks, mitigation, adaption, and governance are widely recognized as the biggest, most interconnected problem facing humanity. Big Data Mining for Climate Change addresses one of the fundamental issues facing scientists of climate or the environment: how to manage the vast amount of information available and analyse it. The resulting integrated and interdisciplinary big data mining approaches are emerging, partially with the help of the United Nation's big data climate challenge, some of which are recommended widely as new approaches for climate change research.

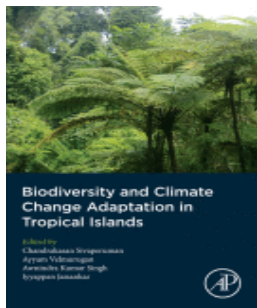


Conceptual breakthroughs in evolutionary ecology (2019)

Mueller, Laurence

Available in ScienceDirect E-books

Although biologists recognize evolutionary ecology by name, many only have a limited understanding of its conceptual roots and historical development. Conceptual Breakthroughs in Evolutionary Ecology fills that knowledge gap in a thought-provoking and readable format.



Biodiversity and climate change adaptation in tropical islands (2020)

Chandrakasan Sivaperuma

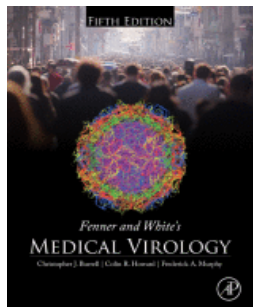
Available in ScienceDirect E-books

Biodiversity and Climate Change Adaptation in Tropical Islands provides comprehensive information on climate change, biodiversity, possible impacts, adaptation measures and policy challenges to help users rehabilitate and preserve the natural resources of tropical islands. While biodiversity and climate change of tropical islands has previously received less attention, it is ironically one of the most vulnerable regions in this regard. The core content of the work derives largely from the ideas and research output from various reputed scientists and experts who have recorded climate change impacts on aquatic and coastal life in tropical regions.

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Visit the library webpage at: <https://www.adzu.edu.ph/library/>

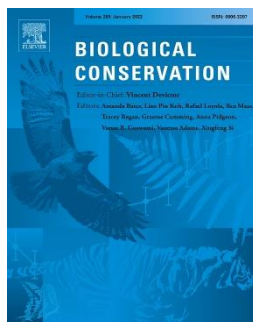
BIOLOGY



Fenner and White's medical virology (2016)

Burrell, Christopher J., Colin R. Howard and Frederick A. Murphy
Available in ScienceDirect E-books

Fenner and White's Medical Virology, Fifth Edition provides an integrated view of related sciences, from cell biology, to medical epidemiology and human social behavior. The perspective represented by this book, that of medical virology as an infectious disease science, is meant to provide a starting point, an anchor, for those who must relate the subject to clinical practice, public health practice, scholarly research, and other endeavors.



Biological Conservation

Full-text available from 1968 to present
Available in ScienceDirect E-journals

The journal publishes articles spanning a diverse range of fields that contribute to the biological, sociological, ethical and economic dimensions of conservation. The primary aim of Biological Conservation is the publication of high-quality papers that advance the science and practice of conservation, or which demonstrate the application of conservation principles and policy.



Current Biology

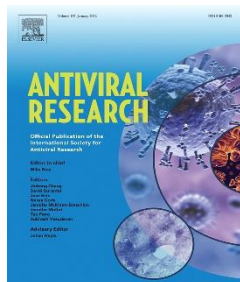
Full-text available from 1991 to present
Available in ScienceDirect E-journals

A general journal that publishes original research across all areas of biology together with an extensive and varied set of editorial sections. A primary aim of the journal is to foster communication across fields of biology, both by publishing important findings of general interest from diverse fields and through highly accessible editorial articles that explicitly aim to inform non-specialists.

Search library resources at: <http://210.213.146.180:8080/#section=home>

Visit the library webpage at: <https://www.adzu.edu.ph/library/>

BIOLOGY

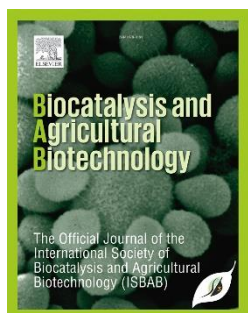


Antiviral Research

Full-text available from 1981 to present

Available in ScienceDirect E-journals

Publishes research reports, short communications, review articles and commentaries on the control of viral infections in humans and animals.

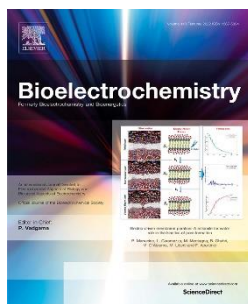


Biocatalysis and Agricultural Biotechnology

Full-text available from 1981 to present

Available in ScienceDirect E-journals

The official journal of the International Society of Biocatalysis and Agricultural Biotechnology (ISBAB). The journal publishes high quality articles especially in the science and technology of biocatalysis, bioprocesses, agricultural biotechnology, biomedical biotechnology, and, if appropriate, from other related areas of biotechnology.

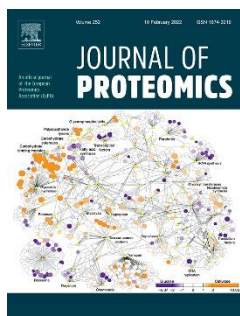


Bioelectrochemistry

Full-text available from 2000 to present

Available in ScienceDirect E-journals

An international journal devoted to electrochemical principles in biology and biological aspects of electrochemistry. It publishes experimental and theoretical papers dealing with the electrochemical aspects.



Journal of Proteomics

Full-text available from 2008 to present

Available in ScienceDirect E-journals

Aimed at protein scientists and analytical chemists in the field of proteomics, biomarker discovery, protein analytics, plant proteomics, microbial and animal proteomics, human studies, tissue imaging by mass spectrometry, non-conventional and non-model organism proteomics, and protein bioinformatics.

Search library resources at: <http://210.213.146.180:8080/#section=home>

Visit the library webpage at: <https://www.adzu.edu.ph/library/>

BIOLOGY



Progress in Biophysics and Molecular Biology

Full-text available from 1968 to present

Available in ScienceDirect E-journals

An international review journal and covers the ground between the physical and biological sciences. It indicates to the physicist the great variety of unsolved problems awaiting attention in biology and medicine. This journal presents new and stimulating ideas and novel approaches to studying and influencing structural and functional properties of the living organism.



Biology Bulletin

Full-text available from 2003 to present

Available in EBSCO E-journals

An interdisciplinary international peer reviewed journal on all topics of biology. It focuses on fundamental studies in the fields of cell biology, biochemistry, zoology, botany, physiology, and ecology. This journal publishes experimental studies and reviews articles on current problems in biology. [Source: springer.com]



Developmental Biology

Full-text available from 2002 to present

Available in ScienceDirect E-journals

Publishes original research on mechanisms of development, differentiation, growth, homeostasis and regeneration in animals and plants at the molecular, cellular, genetic and evolutionary levels. Areas of particular emphasis include transcriptional control mechanisms, embryonic patterning, cell-cell interactions, growth factors and signal transduction, and regulatory hierarchies in developing plants and animals. [Source: journals.elsevier.com]

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BIOLOGY



Biodiversity and Natural History

Full-text available from 2013 to present

Available in EBSCO E-journals

Publishes both high quality hypothesis-driven studies and purely descriptive studies that contribute to improve our understanding of biodiversity and natural history on all kinds of taxa, environments and spatial scales (local, regional or global). [Source: *biodiversnathist.com*]



Plant Biology

Full-text available from 2007 to present

Available in EBSCO E-journals

Published on behalf of the German Society for Plant Sciences and the Royal Botanical Society of the Netherlands, Plant Biology is an international journal of broad scope bringing together different subdisciplines, such as physiology, molecular biology, cell biology, development, genetics, systematics, ecology, evolution, ecophysiology, plant-microbe interactions, and mycology. [Source: *onlinelibrary.wiley.com*]



Microbiology and Molecular Biology Reviews® (MMBR).

Full-text available from 1994 to 2018

Available in EBSCO E-journals

Publishes reviews dealing with all aspects of microbiology and other fields of concern to microbiologists, such as immunology. Authoritative and critical reviews of the current state of knowledge are preferred, although historical analyses will be accepted if the importance of the subject justifies this approach. [Source: *journals.asm.org*]

Antibacterial potential of selected *Caulerpa* Sp. Extracts found in Zamboanga City (2016)

Lim, Esther Tan

GR-FI-TS QK569.C37 L56 2016

Located in Fr Jose T Bacatan SJ Library - Reference Section – Graduate Theses/Dissertation Area

Search library resources at: <http://210.213.146.180:8080/#section=home>

Visit the library webpage at: <https://www.adzu.edu.ph/library/>

BIOLOGY

Misconceptions on selected topics in biology and their sources among high school biology teachers in Zamboanga City (2015)

Siglos, Llara M.

GR-FI-TS QH315 S54 2015

Located in Fr Jose T Bacatan SJ Library – Reference Section – Graduate Theses/Dissertation Area

Fungi from *kappaphycus alvarezii* and *k. atriatum*: biodiversity, taxonomy and ice-ice disease induction (2008)

Solis, Michael Jay Lao Solis

GR-FI-TS QK618 S65 2008

Located in Fr Jose T Bacatan SJ Library – Reference Section – Graduate Theses/Dissertation Area

Concept mapping: a teaching tool for meaningful learning in biology among freshman marine technology students of Zamboanga State College of Marine Sciences and Technology (2007)

Miguel, Benjamin S.A. Miguel

GR-FI-TS Q179.9 M53 2007

Located in Fr Jose T Bacatan SJ Library – Reference Section – Graduate Theses/Dissertation Area

Alternative conceptions of human cardio-vascular system concepts among BS Nursing students in Zamboanga City (2007)

Obra, Mario Rojas Jr.

GR-FI-TS QP102 O27 2007

Located in Fr Jose T Bacatan SJ Library – Reference Section – Graduate Theses/Dissertation Area

Optic disc size (blind spot) and reading level: a correlation study (2006)

Bensali, Abdu-Aziz J.

GR-FI-TS Q181 A97 2006

Located in Fr Jose T Bacatan SJ Library – Reference Section – Graduate Theses/Dissertation Area

Anatomical studies on the root, stem, and leaf of *vetiveria zizanioides* L. (1999)

Partosa, Jocelyn D.

GR-FI-TS QK495 P37 1999

Located in Fr Jose T Bacatan SJ Library – Reference Section – Graduate Theses/Dissertation Area

Phytochemical and antibacterial investigation of malunggay (*moringa oleifera*), sampalok (*tamarindus indica*) and santan (*ixora coccinea*) (1997)

Mas, Melinda May Vasquez

GR-FI-TS QK861 M37 1997

Located in Fr Jose T Bacatan SJ Library – Reference Section – Graduate Theses/Dissertation Area

Search library resources at: <http://210.213.146.180:8080/#section=home>

Visit the library webpage at: <https://www.adzu.edu.ph/library/>

BIOLOGY

Institutional capabilities of Zamboanga A.E. Colleges in basic biological sciences (1996)

Ajihil, Bashiruddin A.

GR-FI-TS QH315 A34 1996

Located in Fr Jose T Bacatan SJ Library – Reference Section – Graduate Theses/Dissertation Area

Antibacterial activity of some soil extracts from Mercedes, Zamboanga City (1996)

Espinosa, Rosario S.

GR-FI-TS S599 E86 1996

Located in Fr Jose T Bacatan SJ Library – Reference Section – Graduate Theses/Dissertation Area

The hypoglycemic effect of sambong *Blumea Balsamifera* (Linn, DC) leaf extract on hydrochlorothiazide-treated albino rats (2003)

Kong, Judith Maely, Suzette Mae Bailon Yu

CO-FI-TS QK495.B5 K66 2003

Located in Fr Jose T Bacatan SJ Library - Filipiniana Section – Undergraduate Theses

Antiseptic property of *Ulva Lactuca* Linn (sea lettuce) (2003)

Abutazil, Mohammad, Kaier J. Camlian.

CO-FI-TS QK569.U5 A28 2003

Located in Fr Jose T Bacatan SJ Library - Filipiniana Section – Undergraduate Theses

Antibacterial potential of *Padina Australis* (Hauck) from Pitogo, Zamboanga City (2002)

Jumdain, Khaimar I., Charles Charlemagne S. Borres

CO-FI-TS QK564 .B67 2002

Located in Fr Jose T Bacatan SJ Library - Filipiniana Section – Undergraduate Theses

An investigation on the *trichogramma evanescens* as biological control agent against the rice pest *scirpophaga innotata* (2002)

Herrera, Farra Anne, Llara M. Siglos

CO-FI-TS QL568.T7 H47 2002

Located in Fr Jose T Bacatan SJ Library - Filipiniana Section – Undergraduate Theses

Antimutagenic potential of kangkong (*Ipomea Aquatica*) (2002)

Halud, Alia-Nasreen, Farahnaz A. Ynawat

CO-FI-TS QH468 .H34 2002

Located in Fr Jose T Bacatan SJ Library - Filipiniana Section – Undergraduate Theses

The antibacterial property of the oil of avocado leaves extract against *Escherichia Coli* and *Staphylococcus Aureus* (2002)

Bation, Edibitor, Michael Suarez

CO-FI-TS QK495 .B37 2002

Located in Fr Jose T Bacatan SJ Library - Filipiniana Section – Undergraduate Theses

Search library resources at: <http://210.213.146.180:8080/#section=home>

Visit the library webpage at: <https://www.adzu.edu.ph/library/>

BIOLOGY

The antibacterial property of Imperata Cylindrical (Kogon Grass) Rhizome (2001)

Manalo, Abigail, Felicita Lledo Sampul

CO-FI-TS QK495.674 M36 2001

Located in Fr Jose T Bacatan SJ Library - Filipiniana Section – Undergraduate Theses

The effect of Atis Anona Squamosal L. leaf and seed extracts on Aedes Aegypti Larvae (2001)

Delantar, Caressa, Monicca Mae R. Que

CO-FI-TS QK495.A6 D44 2001

Located in Fr Jose T Bacatan SJ Library - Filipiniana Section – Undergraduate Theses

Comparative study on the effect of golden apple snail (Pomacea Canaliculata) and soybean meal on the growth of chicken (2001)

De Leon, Joseph Alfred, Jayson C. Go

CO-FI-TS QK495.B3 D44 2001

Located in Fr Jose T Bacatan SJ Library - Filipiniana Section – Undergraduate Theses

The effect of Artocarpus Heterophyllus, Carica papaya and Citrusmitis seeds on the growth of Abelmoschus Esculentus (2001)

Harain, Fatima Ridzka, Julie Ann S. Sta. Teresa

CO-FI-TS QK495.C3 H37 2001

Located in Fr Jose T Bacatan SJ Library - Filipiniana Section – Undergraduate Theses

Inhibitory effects of Euphorbia Pilulifera, Linnaeus plant extract on the growth of Candida Albicans, Berkhout (2001)

Barrera, Jerome, Maria Cristina M. Natividad

CO-FI-TS QK495.E9 B37 2001

Located in Fr Jose T Bacatan SJ Library - Filipiniana Section – Undergraduate Theses

The larvicidal potential of madre de cacao Gliricidia Sepium leaf extract on aedes mosquito larvae (2001)

Kalbi, Muktader, Sitti Kathleen B. Kadiri

CO-FI-TS QK495.L5 K34 2001

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