The Philippine Men & Women of Science

A compilation of bio-bibliographical information on men and women in the field of science and technology.

Volume XXXII
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PREFACE

The Philippine Men and Women of Science (PMWS) is an online publication of the Science and Technology Information Institute (STII). The first volume was published in 1964 as the Philippine Men of Science (PMS) featuring one hundred and one Filipino scientists’ contributions to the scientific community.

The Philippines is primarily an agricultural country. Many Filipinos rely on agriculture for their livelihood. As the advance of agriculture, rural development, use of land resources, and relevant environmental studies continue to play a pivotal role in the economy, research in these areas help set the scene for further growth across the country.

This online biobibliographical publication features researchers and institutions that can serve as a point of reference useful in strategic or applied work on scientific topics of current interest. As a tool, information presented supports visibility for researchers and opens readers to the new face of science in these subject areas. Specific topics of interest include but are not limited to authors who looked at a macro perspective in terms of agriculture management and policy levels and those whose microscopic lenses focus on genetic and microbial research.

The Philippine Men and Women of Science Volume 32 salutes our scientists and the significance of their research. This tool aids in shaping research foundations – what can be found and learned now is here for the future. Profiles in this edition show research prowess important to Agriculture, Plants, Animals, and Environmental Studies. If a quick preview is desired, readers can use the authors and specialization indexes.

Our team upholds a continuous, concerted effort that diligently coordinates records. To date, we have persevered in the timeless tradition of ongoing data mining, organization, and communication of facts on productive scientists and researchers in their fields.

We offer our deepest gratitude to our scientists, researchers, partners, and staff who contributed to the completion of this volume.
## Table of Contents

<table>
<thead>
<tr>
<th>Author</th>
<th>Pages</th>
</tr>
</thead>
<tbody>
<tr>
<td>Añasco, Nathaniel C.</td>
<td>1</td>
</tr>
<tr>
<td>Acda, Menandro N.</td>
<td>3</td>
</tr>
<tr>
<td>Acosta-Michlik, Lilibeth A.</td>
<td>8</td>
</tr>
<tr>
<td>Aggangan, Nelly S.</td>
<td>14</td>
</tr>
<tr>
<td>Aguja, Socorro E.</td>
<td>17</td>
</tr>
</tbody>
</table>

- **Añasco, Nathaniel C.**
  - Marine Pollution and Ecotoxicology
  - Water Quality
  - Marine Chemistry
  - Fisheries Biology
  - Aquatic Ecotoxicology
  - Bioaccumulation

- **Acda, Menandro N.**
  - Termite Biology and Control
  - Wood Protection/Biodeterioration
  - Bio-based Composites
  - Agriculture
  - Forestry
  - Wood Protection
  - Wood Adhesion and Glues
  - Bioenergy
  - Materials Engineering

- **Acosta-Michlik, Lilibeth A.**
  - Agricultural Economics
  - Vulnerability and Adaptation to Climate Change Impacts
  - Agriculture Policy
  - Environmental Science
  - Ecosystem Modelling

- **Aggangan, Nelly S.**
  - Agriculture
  - Forestry
  - Forest Biotechnology
  - Mycorrhiza Technology for Agriculture and Forestry
  - Plant Nutrition
  - Bioremediation
  - Phytoremediation

- **Aguja, Socorro E.**
  - Citriculture
  - Horticulture
  - Teaching and Learning
  - Pedagogy and Education
• Cellular Ultrastructure
• Environmental Science
• Agricultural Plant Science
• Agronomy

Anterola, Aldwin M. 21
• Plant Physiology
• Genome Analysis
• Phytochemistry
• Biochemistry
• Molecular Biology
• Biotechnology
• Phytohormones
• Gibberellins

Arnado, Mary Janet Madrono 23
• Globalization and Gendered Migration
• Natural Resources, violent conflict and internal displacement
• Colonialism and Filipina feminism
• Sustainable Agriculture
• Southern Asia (Philippines, Singapore) and Europe (Germany)

Arriola, Axel H. 28
• Conservation Biology
• Botany
• Plant-Microorganism Interaction
• Biological Sciences
• Systematics (Taxonomy)
• DNA Barcoding
• Phylogenetics

Asio, Victor B. 30
• Geo-Ecology
• Soil Science (Pedology)
• Crops and Soils
• Agriculture and Forestry
• Soil Development
• Soil Degradation
• Soil Pollution
• Nutrient Cycling
• Soil Management
Bañez, Solita Evangeline S.  
- Agricultural Science  
- Horticulture  
- Agricultural Plant Science  
- Plant Protection and Animal Health  
- Agronomy  
- Food Science  
- Environmental Science  
- Irrigation and Water Management  
- Biochemistry  
- Ecology  

Balangcod, Teodora D.  
- Plant Ecology and Systematic Botany  
- Biological Sciences  
- Phytochemicals  
- Secondary Metabolites  
- Medicinal Plants  
- Ecology  
- Ethnobotany  
- Plant Taxonomy  

Baoanan, Zenaida Gutay  
- Biological Sciences  
- Invertebrate Taxonomy  
- Systematics  
- Malacology  

Barba, Ramon Cabanos  
- Horticulture  
- Tissue Culture  
- Physiology of Growth and Flowering  
- Plant Growth Regulator  
- Fruit and Ornamental Crops  
- Weed Control  
- Plant Propagation  

Barrion-Dupo, Aimee Lynn Adato  
- Entomology  
- Spider Taxonomy (Araneae: Araneidae)  
- Insect Taxonomy (Lepidoptera: Geometridae)  
- Insect Ecology
Baticados, Abigail Morales
- Pathology of Parasitic and Rickettsial Diseases
- Oncology
- Apitherapy
- Establishment of Specific Molecular Diagnostic System for Rickettsial and Protozoan Parasite of Small and Large Animals
- Molecular Biology
- Entomology
- Microbiology
- Cancer Biology
- Parasitic Diseases
- Small Animal Handling
- RNA Interference
- Cancer Biomarkers
- Gene Silencing

Baticados, Waren Navarra
- Veterinary Parasitology
- Microbiology
- Pathology

Cruz-Barba, Corazon Veron
- Food Fortification
- Food and Nutrition
- Malnutrition
- Nutritional and Nutrition Education
- Clinical Nutrition
- Child Nutrition
- Nutritional and Metabolic Diseases
- Nutritional Epidemiology
- Applied Nutrition
- Community Nutrition
- Anthropometry
- Childhood/Pediatric Obesity
- Non-Communicable Diseases
- Dietary Supplements
- Indigenous Foods
- Abdominal Obesity
- Complementary Feeding
- Growth and Development
- Diet
Ortega-Espaldon, Maria Victoria 68
- Environmental Science
- Higher Education
- Sustainable Development
- Geography
- Science Education
- Waste Management
- Environmental Impact Assessment
- Climate Change Adaptation
- Disaster Management
- Disaster Risk Reduction
- Vulnerability Analysis
- Vulnerability Assessment
- Agricultural Science
- Geoscience
- Ecology
- Social Forestry

Toledo, Joebert D. 72
- Aquaculture
- Aquaculture Fisheries
- Fish Breeding
- Agricultural Science
- Fisheries Science
- Project Management
- Sustainable Development

Yap, Nonita T. 79
- Social Policy
- Qualitative Social Research
- Foreign Policy

Yorobe, Jose M., Jr. 87
- Agricultural Marketing and Price Analysis
- Agricultural Policy and Development
- Impact Assessment
Name: Nathaniel C. Añasco
Gender: Male
Organizational Affiliations:
Assistant Professor and Director, Institute of Marine Fisheries and Ocean Sciences, University of the Philippines Visayas

Education:
Doctor of Philosophy in Fisheries Science, Kagoshima University, Japan 2010
Master of Science in Fisheries Science and Technology, Kagoshima University, Japan 2007
Master of Science in Fisheries, University of the Philippines Visayas, Miag-ao, Iloilo 1993
Bachelor of Science in Biology, University of the Philippines Visayas, Miag-ao, Iloilo 1991

Fields of Specialization:
Marine Pollution and Ecotoxicology
Water Quality
Marine Chemistry
Fisheries Biology
Aquatic Ecotoxicology
Bioaccumulation

Honors / Awards:
UP Diamond Jubilee Professorial Chair in Fisheries Science, University of the Philippines 2011
Outstanding Young Scientist, National Academy of Science and Technology 2011
Best Paper Presenter Award, University of the Philippines Visayas 2003
Director's Award, Bureau of Agricultural Research, Department of Agriculture 2002

Publications:
2014
Vicente, J.R., Nillos, M.G.G., Taberna, H.S., Jr., Pahila, I.G., & Añasco, N.C., Sorbents derived from lignocellulosic waste materials: characterization and potential removal of surfactants, phenolic compounds, and nutrients from environmental aqueous solutions. Advances in Environmental Sciences, International Journal of the


Name       Menandro N. Acda
Gender     Male

Organizational Affiliations
Professor, Dept. of Forest Products and Paper Science, College of Forestry and Natural Resources, University of the Philippines Los Baños, College, Laguna
Chair, Dept. of Forest Products and Paper Science, College of Forestry and Natural Resources, University of the Philippines Los Baños, College, Laguna

Education
Post Doctorate, Oregon State University, Corvallis, OR, USA 1997
Doctor of Philosophy in Forest Products (Area: Wood Preservation and Biodeterioration/High Pressure Wood Impregnation), Oregon State University, Corvallis, OR, USA 1995
Master of Science in Wood Science and Technology, University of the Philippines Los Baños, College, Laguna 1992
Bachelor of Science in Forest Prod Engineering, University of the Philippines Los Banos, College, Laguna 1986

Fields of Specialization
Termite Biology and Control
Wood Protection/Biodeterioration
Bio-based Composites
Agriculture
Forestry
Wood Protection
Wood Adhesion and Glues
Bioenergy
Materials Engineering

Employment
Professor, University of the Philippines Los Baños, 2008-Present
Associate Professor, University of the Philippines Los Baños, 2005-2008
Post Doctoral Research Associate, Oregon State University, 1995-1997
Assistant Professor, University of the Philippines Los Baños, 1993-2004
Graduate Research Assistant, Oregon State University, 1993-1995
Instructor, University of the Philippines Los Baños, 1989-1992

Association Membership
Member, Society of Wood Science and Technology (US)
Member, Forest Products Research Society (US)
Member, INBAR (China)
Member, International Research Group on Wood Protection (Sweden)
Member, International Isoptera Society (US)
Regular Member, National Research Council of the Philippines

Honors / Awards

U.P. Scientific Productivity Award, University of the Philippines 2008
NAST Outstanding Book Award, National Academy of Science and Technology 2008
Engr. Arsenio G. Espiritu Professorial Chair Award, University of the Philippines Los Baños 2008
U.P. Creative Work and Research Grant, University of the Philippines 2007
Julian Banzon Medal for Applied Research, National Academy of Science and Technology 2007
UNESCO Fellowship, The United Nations Educational, Scientific and Cultural Organization (UNESCO) 2006
Ford Conservation and Environment Grant, Ford Philippines 2006
San Miguel Corporation Professorial Chair Award, University of the Philippines Los Baños 2005
U.P. Creative Work and Research Grant, University of the Philippines 2005
2000 Outstanding Scientists of the 21st Century, International Biographical Centre, Cambridge, United Kingdom 2005
Charles Lindbergh Foundation Research Grant, Charles Lindbergh Foundation, USA 2004
Outstanding Researcher Award, University of the Philippines Los Baños 2004
UPLB Alumni Association Professorial Chair Award, University of the Philippines Los Baños 2004
International Publication Awards (15 papers, 2003-2008), University of the Philippines 2003-2008
UPLB Alumni Association Professorial Chair Award, University of the Philippines Los Baños 2003
International Tropical Timber Organization Fellowship, International Tropical Timber Organization, Japan 2002
UPLB Faculty Development Grant, University of the Philippines Los Baños 2000
Researched

Completed
UPLB comprehensive termite management program.

Lahar barrier for termite control in the Philippines.

Wood-plastic composite from wood residues and recycled plastic for increased utilization of wood resources.

Use of lahar from Mt. Pinatubo as barrier to prevent tunneling and invasion of Subterranean termites into homes and timber structures in the Philippines.

Recycling Waste Chicken Feather for Low Cost Building Materials in the Philippines

Papers Presented

Publications

2016


2015


2014


2013


Acda, M.N., & Cabangon, R.J., Termite resistance and physico-mechanical properties of particleboard using waste tobacco stalk and wood particles.

2012

2011

2010

2009

2008

2007

2007


2005


2004


2001


1998


1997


1996


1995

Name: Lilibeth A. Acosta-Michlik
Gender: Female

Organizational Affiliations
Senior Researcher Fellow, Potsdam Institute for Climate Impact Research (PIK) Telegraphenberg, Germany

Education
Doctor of Philosophy in Agricultural Policy (*magna cum laude*), Institute for Agricultural Policy and Marketing, Departure of Agriculture, University of Bonn, Germany 1998


Bachelor of Science in Agricultural Economics (*cum laude*), University of the Philippines Los Baños, Laguna, Philippines 1988

Fields of Specialization
Agricultural Economics
Vulnerability and Adaptation to Climate Change Impacts
Agriculture Policy
Environmental Science
Ecosystem Modelling

Employment
Senior Scientist, Postdam Institute for Climate Impact Research (PIK), 2009 August-Present

Senior Research Fellow, Centre for the study of Environmental Change and Sustainability, School of Geosciences, University of Edinburgh, United Kingdom, 2008 January-2011 April

Adjunct Professor, School of Environmental Science and Management, University of the Philippines Los Baños, 2007 August-Present

Scientific Coordinator, School of Environmental Science and Management, University of the Philippines Los Baños, 2007 July-2010 May

Scientific Coordinator, Unité d'économie rurale, Faculté d'ingénierie biologique, agronomique et environementale, Université Catholique de Louvain, 2007 April-2011 January

Research Associate, School of Environmental Science and Management, University of the Philippines Los Baños, 2006 January-2008 June

Research Associate, Department of Agricultural Economics, University of the Philippines Los Baños, 2004 July-2005 December

Senior Research Fellow, Département de Géologie et de Géographie, Université Catholique de Louva, 2004 April-2007 March
Senior Research Fellow, Department of Global Change and Social Systems, Potsdam Institute for Climate Impact Research (PIK), Potsdam, Germany, 2001 November-2004 March


Post-doc Research Fellow, Department of Natural Resource Economics, University of Kyoto, Japan, 1998 November-2000 September


Doctoral Researcher, Institute for Agricultural Policy, Department of Agriculture, University of Bonn, Germany, 1993 April-1998 March

Senior Economic Development Specialist, Agriculture Staff, National Economic and Development Authority (NEDA), Manila, 1991 October-1993 March

Economic Development Specialist, Agriculture Staff, National Economic and Development Authority (NEDA), Manila, 1988 September-1991 September

Honors / Awards

Balik Scientist Awardee, Department of Science and Technology 2008

Fellowship Award, Global Change System for Analysis, Research and Training (START) 2004-2005

Fellowship Award, Japan Society for the Promotion of Science 1998-2000

**Magna cum laude**, University of Bonn, Germany

Scholarship Award (4 years), German Academic Exchange Services (DAAD) 1993-1997

Scholarship Award (2 years), British Council and Cambridge Overseas Trust 1990-1991

B.M. Gonzales “Best Thesis” award, University of the Philippines

**Cum Laude**, University of the Philippines Los Baños

Best Officer award, University of the Philippines Los Baños (UPLB) Agricultural Economics Circle

Scholarship Award (4 years), International Rice Research Institute Junior Researchers Association 1984-1988

Trainings

Global Environmental Change Institute on Globalization and Food Systems Scientific Workshop and Science-Policy Forum, IHDP-IAI, Nicoya, Costa Rica November 2004

Advanced Institute on Vulnerability to Global Environmental Change, International Institute for Applied Systems Analysis (IIASA), Laxenburg, Austria May 2004

Climate change science, impacts and policy responses, Imperial College of Science, Technology and Medicine, London, England April 2002

German language course, Goethe Institute, Freiburg, Germany April 1993
Food and Agriculture Organization (FAO) Seminar on population carrying capacity modeling, Center for Economic Development of the Philippines, Manila September 1991

Statistical methods for forecasting and control, Center for Statistics of the University of the Philippines, Manila June 1989

Agricultural project evaluation, National Economic and Development Authority July 1988

**Researches**

**Completed**

Integrated sustainability assessment of bioenergy potentials in Asia: An application of a hybrid approach on trade-offs and pathways (PIC-STRAP)

Security Diagrams: Improving a New Approach to Assessing the Risk of Extreme Climate Events on Society

Advanced Terrestrial Ecosystem Analysis and Modeling (ATEAM) project

Intervulnerability Assessment (INVA) project

Vulnerability And Resilience In Practice (VARIP)

From local Urban Trends Up to Regional Evolution (FUTURE) simulator for the Tyndall Coastal Project

Vulnerability of Ecosystem Services to Land Use Change in Traditional Agricultural Landscapes (VISTA) project

Peri-urban Land Use Relationships - Strategies and Sustainability Assessment Tools for Urban – Rural Linkages (PLUREL) Project

Biodiversity and Ecosystem Changes in Europe (EcoChange) Project

Assessing vulnerability of communities and understanding policy implications of adaptation responses to flood-related landslides in Asia (VALE)

A Multiscalar and Multiagent Modeling Framework for Assessing Sustainable Futures in a Globalised Environment (MultiMode)

Bioenergy Planet Project

Livelihoods vulnerabilities to typhoon associated hazards in Southeast Asia: a comparative study in Taiwan and the Philippines

Communication influences on Decision Making in Disaster Recovery and Reconstruction: Implications for RIA framework

World Trade Organization (WTO) and ASEAN Free Trade Agreements (AFTA) on Agricultural Commodities

**Ongoing**

Agent-based Modeling of sustainable livelihoods for vulnerable people to adapt to the impacts of flood-related landslides in the Philippines

**Papers Presented**

Environment Management (NC-INREM 2014), Learning Lessons, Sharing Knowledge: Strengthening the Role of INREM in Sustainable Development, held in SEARCA, Los Baños, Laguna.


Publications

2016


2014


2013

2012

2011

2009

2008


2006


2005


2003

Name: Nelly S. Aggangan
Gender: Female
Organizational Affiliations: University Researcher, National Institute of Molecular Biology and Biotechnology, UPLB, College, Laguna
Education: Doctor of Philosophy in Plant Pathology, Murdoch University, Perth Western, Australia 1996
Fields of Specialization: Agriculture, Forestry, Forest Biotechnology, Mycorrhiza Technology for Agriculture and Forestry, Plant Nutrition, Bioremediation, Phytoremediation
Association Membership: Member, National Research Council of the Philippines
Trainings: Mycological Society of the Philippines Symposium, PhilRice, Maligaya, Nueva Ecija 2012 April 24
Researches: Ongoing
Production and Promotion of Mycovam and Mycogroe (PL-NSA). Study 1. Mass Production of Mycovam and Mycogroe biofertilizers
Production and Promotion of Mycovam and Mycogroe (PL-NSA). Study 2. Efficacy Trial and Product Licensing of Mycovam for Cassava, sugarcane, okra and fruit trees
Improvement of production protocol for Mycova (PL-NSA). Study 1. Determination of the rate of sporulation of mycoohizal fungi present in the Mycovam biofertilizer as affected by Bio-N and other additives
Improvement of production protocol for Mycova (PL-NSA). Study 2. Assessment of survival Azosporillum spp. in the Mycovam biofertilizer during Storage
Establishment of biotechnology mediated forest park in Caliraya Springs Barangay Talaongan, Cavinti, Laguna. (PL-NSA) Study 1-5
Papers Presented


2012 April 24  Aggangan, N.S. (2012 April 24). Fungi as Business: The Case of Mycorrhizal Inoculants, Mycological Society of the Philippines Symposium held on at the PhilRice, Maligaya, Nueva Ecija.


Publications


2013  Aggangan, N.S., Albano, A.B., Kasahara, E.S., & Ragrario, E.M., Survival, Growth and


Aggangan, N.S., Choi, Y.I., & Noh, E.W., Ectomycorrhizal response of non-transgenic and transgenic heavy metals tolerant Populus alba x P. glandulosa. 한국임학회 정기학술발표논문집, 2009:253-256.


Name: Socorro E. Aguja
Gender: Female

Organizational Affiliations
Professor, St. Paul University-Manila, Graduate School Department 680 Pedro Gil St., Malate, Manila
Professor, Graduate School Department, De La Salle Araneta University, Malabon, Philippines

Education
Doctoral, United Graduate School of Agricultural Sciences, Ehime University, 2000
Master’s, College of Agriculture, Ehime University, 1997
Bachelor, Visayas State University (formerly Visayas State College of Agriculture), 1983

Fields of Specialization
Citriculture
Horticulture
Teaching and Learning
Pedagogy and Education
Cellular Ultrastructure
Environmental Science
Agricultural Plant Science
Agronomy

Association Membership
Member, Philippine Society of Microbiology
Research Associate, JSPS-DOST ACORE Philippines
Member, International Organization of Virologists in Citriculture
Member, Professional Women’s Advisory Board, American Biographical Institute
Member, Board of Research Advisor, American Biographical Institute
Member, Philippine Association of Japan Ministry of Education Scholars
Member, International Society of Citriculture
Member, Japanese Horticultural Society
Member, Advancement of Computing in Education
Technical Editor, Editorial Board-Science Alert Journals

Honors / Awards
International Conference on “Environmental Threats to the Health of Children: Hazards and Vulnerability”, Chulabhorn Research Institute Centre 3-7 March, 2002
Papers Presented


1998


1996

Name: Aldwin M. Anterola  
Gender: Male  
Organizational Affiliations: 
Associate Professor, Department of Plant Biology Southern Illinois University, Carbondale Illinois, 62901-6509 USA  

Education: 
Bachelor of Science in Agricultural Chemistry (Cum Laude), University of the Philippines Los Baños, College, Laguna 1994  

Fields of Specialization: 
- Plant Physiology  
- Genome Analysis  
- Phytochemistry  
- Biochemistry  
- Molecular Biology  
- Biotechnology  
- Phytohormones  
- Gibberellins  

Honors / Awards: 
Balik Scientist Awardee, DOST 2009  
Helen and Loyal H. Davis Fellowship, Washington State University  
Student Award for Best Paper, Phytochemical Society of North America  
Graduate Student Award (Cellulose and Paper Division), American Chemical Society  

Papers Presented: 

Publications: 


Name: Mary Janet Madrono Arnado
Gender: Female

Organizational Affiliations
- Founder President, Research Institute for Gender and Women, Inc., Malaybalay City
- Guest Lecturer, Bukidnon State University, Malaybalay City

Education
- Doctor of Philosophy in Sociology, Virginia Tech - Virginia Polytechnic Institute and State University, Blacksburg, Virginia, USA 2002
- Master of Arts on Health Social Science (With Distinction), De La Salle University, Taft Ave., Manila 1997
- Bachelor of Science in Development Communication, Xavier University, Corrales Ave., Cagayan de Oro, Philippines 1991
- Master of Arts in Sociology and Anthropology (all but thesis), Xavier University, Cagayan de Oro, Philippines 1994

Fields of Specialization
- Globalization and Gendered Migration
- Natural Resources, violent conflict and internal displacement
- Colonialism and Filipina feminism
- Sustainable Agriculture
- Southern Asia (Philippines, Singapore) and Europe (Germany)

Employment
- Editorial Board Member, Liceo Journal of Higher Education Research, 2010-Present
- Founding President, Research Institute for Gender and Women, Inc., Malaybalay City, 2009-Present
- Consultant, for Organizational Climate Study, Agrinanas Development Company, Inc., 2009 September 10
- Consultant, for Baseline Research on the Informal Sector in Northern Mindanao, Xavier University - Social Protection and Social Health Insurance Project, 2009 September 10-
- Consultant, for A Situationer on Reproductive Health, Asian Institute of Management, Makati, 2006
- Adjunct Professor/Instructor, Department of Sociology and Women’s Studies Program, Virginia Tech, 2006
- ASIA Fellow and Visiting Affiliate, Asia Research Institute, National University of Singapore, 2006 October - 2007
- Research Fellow, Social Development Research Center, De La Salle University, Manila, 2004-2008
- Adjunct Professor/Instructor, Department of Sociology and Women’s Studies
Program, Virginia Tech, 2003
Associate Professor, Behavioral Sciences Department, De La Salle University, Manila, 2002-2006

Adjunct Professor/Instructor, Department of Sociology and Women's Studies Program, Virginia Tech, 2001

Adjunct Professor/Instructor, Department of Sociology and Women's Studies Program, Virginia Tech, 1999

Project Sociologist, Urban and Peri-urban Vegetable Production Project, Xavier University, 1997-1998

Consultant, for Health and Environment Policy Impact Project, Environmental Health Service, Department of Health, 1997 March 12

Instructor, Department of Sociology and Development Communication Unit, Xavier University, 1994-1995

Teacher, Corpus Christi School, Cagayan de Oro, 1992-1993

Association Membership
Member, International Sociological Association
Member, Philippine Population Association
Member, Jesuit Volunteers Philippines Foundation
Research Fellow, Social Development Research Center, De La Salle University, Manila

ASIA Fellow and Visiting Affiliate, Asia Research Institute, National University of Singapore
Member, Board of Directors, Mindanao Peace Partners
Member, Philippine Health Social Science Association

Honors / Awards
Outstanding Young Scientist Award (Sociology), National Academy of Science and Technology 2010

ASIA Fellows Awards, Asian Scholarship Foundation, Bangkok 2006

REPUBLICA Regional Award in Social Sciences (Outstanding Research and Publication Awards), Commission on Higher Education, Philippines 2005

Miguel Febres Cordero Research Award, De La Salle University 2004

Ph.D. Scholarship and Graduate Teaching Assistantship, Virginia Tech, Virginia Polytechnic Institute and State University, Blacksburg, Virginia, USA 1999-2000

Development Project Award, Virginia Tech, Virginia Polytechnic Institute and State University, Blacksburg, Virginia, USA

Ford Foundation Scholarship Award, De La Salle University

Researches
Completed
Confessions from the Field: On Ethnographic Fieldwork Dilemmas
ICT in the Island City of Samal: Towards transparent governance and community empowerment

Case Studies from Philippine Indigenous Communities

Longing for Home, Longing for Work: Temporary Return, Cyclical Migration and Reintegration of Filipina Domestic Workers

Wage work and Substitute Housewives: Employed Women's Housewifization of Poor Third World Women

Abandoned by (Abandoning) Men: Economic Stress and Gender Relations in Filipina Labor Migrants' Families

Organizational Climate Study on Agrinanas Development Company, Inc., Cagayan de Oro: Yahshua Consultancy, 190pp.

The Bride-Machine and the Paradox of Global Hypergamy: Narratives of Filipina Wives in Germany

Casualties of Globalization: Economic Interest, War, and Displacement of Indigenous Communities in Liguasan Marsh, Philippines

Ongoing

After Labor Migration: Narratives of Return, Family and Gender in the Philippine South

Papers Presented

2010 September 28-29

2007 September 13-14

2006 November 2

2005 June 8

2005 June 19-24

2005 March 14

2004 November 30

2004 September 16-18


Publications


1999

1998

1997
Name: Axel H. Arriola  
Gender: Male  
Organizational Affiliations: Assistant Professor, Dept. of Biology, College of Arts and Sciences, University of the East, Manila  
Fields of Specialization:  
- Conservation Biology  
- Botany  
- Plant-Microorganism Interaction  
- Biological Sciences  
- Systematics (Taxonomy)  
- DNA Barcoding  
- Phylogenetics  
Researches:  
Completed  
Growth of Intsia bijuga (Colebr.) Kuntze in Response to Rhizobium sp. and Vesicular-Arbuscular Mycorrhiza for Upland Reforestation  
Growth Responses of Intsia bijuga (Colebr.) Kuntze to Rhizobium sp., Vesicular-Arbuscular Mycorrhiza and Chemical Fertilizer  
Mycorrhizal Infection and Growth Responses of Mahogany (Sweitenia macrophylla King.) to VAM fungi and Chemical Fertilizer  
Papers Presented:  
Publications:  


Alejandro, G.J.D., Arenas, E.H., Cremen, M.C.M., & Arriola, A.H., A New Record of Pyrostria (Vangueieae - Rubiaceae) from the Philippines Inferred from Molecular and Morphological Data. Philippine Journal of Systemic Biology, 2013, VII.
Name: Victor B. Asio
Gender: Male

Organizational Affiliations
Vice-Chair, Soil Geography Commission of IUSS,
Professor and Department Head, Dept. of Agronomy, Leyte State University, Baybay, Leyte 6521-A

Education
Doctor scientiarum agrariarum in Soil Science (minor in Site Ecology) magna cum laude, University of Hohenheim, Germany 1996
Master of Science in Soil Science (minor in Crop Physiology), University of the Philippines Los Baños, Laguna, Philippines
Bachelor of Science in Agriculture major in Soil Science, Visayas State University, Baybay, Leyte
Postgraduate Studies in Soil Science, Geography and Plant Nutrition, Justus-Liebig Universität, Giessen, Hesse, Germany

Fields of Specialization
Geo-Ecology
Soil Science (Pedology)
Crops and Soils
Agriculture and Forestry
Soil Development
Soil Degradation
Soil Pollution
Nutrient Cycling
Soil Management

Employment
Dean, College of Agriculture, Visayas State University, 2009-Present
Professor, Soil Science and Geo-ecology, Visayas State University, 2000-Present

Association Membership
Member, National Research Council of the Philippines

Honors / Awards
Best Paper 2011 (3rd Place, Senior Category) awarded by the, 14th PSSST Conference on 25-27 May 2011 at VSU, Baybay, Leyte 2011
Elected Secretary-General, Humboldt Fellows Association (Philippines), Alexander von Humboldt Foundation, Bonn, Germany 2011
Outstanding Academician Award, Visayas State University 2011 August 11
NAST Outstanding Scientific Paper Award for 2011, National Academy of Science and Technology (NAST) 2011 July 14

PARRFI Professorial Chair Award, Philippine Agricultural Resources Research Foundation, Inc.

Achievement Award, Philippine Soil Science Society

President F.E. Marcos-Cocofed National Scholar, Philippine Coconut Producers Federation Inc.

CHED-COE Professorial Chair Award, Commission on Higher Education - Center of Excellence

Recipient of the world renowned & highly competitive (senior scientist), Humboldt Research Fellowship

SEARCA Regional Professorial Chair award, Southeast Asian Regional Center for Graduate Study and Research in Agriculture

**Researches**

**Completed**
Physiological responses of abaca (Musa textilis) to light, water and nutrient availability

Evaluation of Silvicultural Management, Ecological Changes and Market Study of Products of Existing Rainforestation Demo and Cooperators’ Farms

**Papers Presented**


**Publications**


2011

2010


2009

2008

2007

2006

2005

2001


Name: Solita Evangeline S. Bañez
Gender: Female

Organizational Affiliations:
Coordinator, Natural Science and Environmental Researches, University of Northern Philippines Vigan City

Education:
Doctor of Education, University of Northern Philippines, Quirino Boulevard, Vigan City, 2700 Ilocos Sur 2003

Fields of Specialization:
Agricultural Science
Horticulture
Agricultural Plant Science
Plant Protection and Animal Health
Agronomy
Food Science
Environmental Science
Irrigation and Water Management
Biochemistry
Ecology

Employment:
Professor IV, University of Northern Philippines

Association Membership:
Regular member, National Research Council of the Philippines

Honors / Awards:
Won in the Commodity R & D, 2002 May 14

Researches:
Completed
Implementation of Fishery Laws in Ilocos Sur
Therapeutic Properties of Barsanga (Cyperus rotundus)
Lone Researcher. Versality of Taltalikod (Phyllantus niruri Linn)
Main Proponent. Paper Making Using Sablot, Tawa-Tawa and Karimbuaya Leaves as Muscilages
Analysis of the UNP CTE graduates’ Performance in the Licensure Examination for Teachers (LET)
Pharmaceutical Analysis of Linlinna-aw
Versatility of "TALTALI KOD" (Phyllanthus carolinianus)

Therapeutical, Toxicological and Pesticidal Properties of Barsanga (Cyperus rotundus)

Paper Making Using Sablot, Tawa- Tawa & Karimbuaya Leaves as Mucilages

Papers Presented

2003 December 3-5

2003 May 22
Bañez, S.E.S. (2003 May 22). Phytochemical Screening of Linlinnaaw (Peperomia pellucida Linn), Bacnotan, La Union.

2002 December

2002 May 14

2001 November 14-16

1998

1996
Bañez, S.E.S. (1996). Versality of Biowastes (with a co-researcher), R & D Commodity Review, San Fernando and Published in UNP Research Journal Vol. VI.

1995


Publications

2013


2012

2011

2002
Bañez, S.E.S., Phytochemical Screening of Linlinna-aw (Peperomia pellucida Linn) and Its Analgesic, Diuretic and Antihypertensive Properties. UNP Research Journal,
2002, 11.


2001
Name: Teodora D. Balangcod  
Gender: Female  
Organizational Affiliations:  
Assistant Professor, Department of Biology, College of Science, UP, Baguio, Governor Pack Road, 2600 Baguio City  
Education:  
Doctor of Philosophy in Botany (Plant Ecology), University of the Philippines, 2009  
Fields of Specialization:  
Plant Ecology and Systematic Botany  
Biological Sciences  
Phytochemicals  
Secondary Metabolites  
Medicinal Plants  
Ecology  
Ethnobotany  
Plant Taxonomy  
Association Membership:  
Member, National Research Council of the Philippines (NRCP)  
Chairman, Marine Science Institute – Harmful Algal Blooms/Red Tide Committee, University of the Philippines,  
UP-MSI representative to the Philippine Seaweed Industry Council, Bureau of Fisheries and Aquatic Resources  
Expert Reviewer, Environmental Impact Assessment, Department of Environment and Natural Resources (DENR)  
Chairman, Environmental Science Committee, Commission on Higher Education (CHED)  
Member, National Committee on Biosafety, Department of Science and Technology(DOST)  
Honors / Awards:  
2015 Presidential Lingkod Bayan Award, Civil Service Commission 2015  
2014 Metrobank Foundation Outstanding Teacher, Metrobank Foundation (MBFI)  
2014 International Publication Award, University of the Philippines 2011  
BAR Director’s Award for R&D Paper Published in an International Refereed Scientific Journal, Department of Agriculture - Bureau of Agricultural Research (DA-BAR) 2001  
Trainings:  
IOC/WESTPAC 8th International Scientific Symposium, Paradise Hotel, Busan,
Republic of Korea 2011 March 28
39th Annual Convention and Scientific Meeting - Microbes at Work, Naga City 2010 April 29

**Researches**

**Completed**
Revision of the manual "Exercises in Plant Taxonomy"

Ethnobotany, Phytochemical Screening and Antimicrobial Properties of Traditional Medicinal Plants in Bayabas, Sablan, Benguet Province

The Online Herbarium Database of the UP Baguio Herbarium

A Teacher’s Guide for General Botany

Plants and Culture: The role of plants in the cultural practices of the *Kalanguya* in Tinoc, Ifugao

Poisonous plants of Baguio City and vicinity

Plant Resources Used as Building Materials in Tinoc, Ifugao, Cordillera Administrative Region, Luzon, Philippines

A Picture Guide to the Flowering Plants of Baguio City and La Trinidad, Benguet

Medicinal Plants of Plants of Tinoc, Ifugao, Luzon, Philippines

**Ongoing**

Soil Stabilization Through Revegetation of Natural Landslides in Atok, Benguet Province to Increase Resilience of Local Communities

Vegetation Analysis of Areas Affected by Mine Tailings in Benguet and Vicinity

Establishing biodiversity information of Bayabas Communal Forest, Sablan, Benguet

Harnessing the Potential Uses of Underutilized Plants in Benguet Province for the Improvement of Livelihood and Food Security in Indigenous Communities in Benguet Province, Luzon, Philippines

Taxonomy and Distribution of Compositae in the Cordillera Central Mountain Range, Luzon, Philippines, Ph.D. Dissertation

Benguet A Faculty Grant Ethnobotany, Phytochemical Screening and Antimicrobial Properties of Traditional Medicinal Plants in Bayabas, Sablan, Benguet Province

Ex-situ Conservation of Lilium. philippinense through soil enhancement using vermicompost

Herbal extracts from the Cordillera fro Bioactivity and ADMETox Assays

**Papers Presented**


Publications 2015


Name: Zenaida Gutay Baoanan  
Gender: Female  
Organizational Affiliations:  
Associate Professor 2, Dept. of Biology, College of Science, UP Baguio, Baguio City  
Consultant / Undergraduate Adviser, University of the Philippines Baguio,  
Education:  
Doctor of Philosophy in Biology, University of the Philippines, Diliman, Quezon City 2007  
Fields of Specialization:  
Biological Sciences  
Invertebrate Taxonomy  
Systematics  
Malacology  
Association Membership:  
Regular Member, National Research Council of the Philippines  
Honors / Awards:  
UP Scientist 1 Award, Scientific Productivity System, University of the Philippines Diliman 2011-2013  
International Publication Award 2011, Philippine Agricultural Scientist 2011  
Researches:  
Completed  
Documentation of terrestrial gastropods in Benguet Province, Philippines  
Conchological and anatomical studies of selected Philippine cone snails  
Ecological and Hydrologic Survey of Selected Communities in Tinglayan, Kalinga  
Exploring the molluscan fauna of Mt. Polis, Central Cordillera Range  
Micro-geographic populations, habitat differences, and heritability of shapes and allometry of Pomacea  
Pila sp collection from various parts of the Philippines  
UPS Creative and Research Scholarship Program: Exploring the Molluscan Fauna of Mt. Polis, Central Cordillera Range  
Papers Presented:  
2011 November 19 -20  


Publications


Name: Ramon Cabanos Barba
Gender: Male

Organizational Affiliations:
Assistant Professor, University of the Philippines Los Baños, Los Baños, Laguna, Philippines

Education:
Doctor of Philosophy in Horticulture, University of Hawaii, 2500 Campus Rd, Honolulu, HI 96822, United States 1967

Master of Science in Horticulture, University of Georgia, Athens, GA 30602, United States 1962

Bachelor of Science in Agronomy (Fruits), University of the Philippines Los Baños, College, 4031 Los Baños, Laguna 1958

Fields of Specialization:
Horticulture
Tissue Culture
Physiology of Growth and Flowering
Plant Growth Regulator
Fruit and Ornamental Crops
Weed Control
Plant Propagation

Employment:
Senior Consultant, Institute of Plant Breeding, University of the Philippines Los Baños
Director of Research (part-time), Plantek, 1985-1988
Project Director, CORE Foundation, 1984-1988
Professor I, College of Agriculture, University of the Philippines Los Baños, 1981-
Assistant Professor, College of Agriculture, University of the Philippines Los Baños, 1969-1975
Consultant, Quimara Farms on Mango Production, 1969-1985
Assistant Instructor, Department of Agronomy, Fruit Crops Section, College of Agriculture, University of the Philippines L, 1958-1960

Honors / Awards:
Asia's Top 100 Scientist, The Asian Scientist Magazine 2016
National Scientist, Republic of the Philippines 2013
Dioscoro L. Umali Achievement Award in Agricultural Development, Southeast Asian Regional Center for Graduate Study and Research in Agriculture (SEARCA) 2011

November 23
Most Distinguished Alumni Award, University of the Philippines 2004
Elected Academician, National Academy of Science and Technology 2004
Gamma Sigma Delta Distinguished Award, 2004
DA-Khush Achievement Award, 1995
Gamma Sigma Delta Achievement Award, 1995
IBM/DOST Science and Technology Award, International Business Machines / Department of Science and Technology 1989
Best Paper Award, Crop Science Society of the Philippines 1981
Rizal Pro Patria Presidential Award for Tissue Culture, 1980
The Outstanding Young Men of the Philippines for Agriculture, Philippine Jaycees 1974
Best Paper Award for Induction of Flowering of Mango by Chemical Spray, 1974
Best Paper Award, Crop Science Society of the Philippines 1974

Researches

Completed
Induction of mutation in sugarcane using tissue culture
Rapid asexual propagation methods for white potato

Publications

2009

2007


2006


2005

Pateña, L.F., Endonela, L.E., Rafuerzo, L.C., & Barba, R.C., Somatic embryogenesis and plantlet regeneration in calamansi (X Citrofortunella microcarpa Bunge.). Acta


2003

2001
Pateña, L.F., Carlos-Refuerzo, L.R., & Barba, Ramon C., A simple and reliable protocol for somatic embryogenesis and plantlet regeneration in mango (Mangifera indica L.). Transactions of the National Academy of Science and Technology Philippines, 2001, 23.

1984

1971

1970
Name: Aimee Lynn Adato Barrion-Dupo
Gender: Female

Organizational Affiliations
Associate Professor, Environmental Biology Division, Institute of Biological Sciences, UP Los Baños, College, Laguna
Curator, UPLB Museum of Natural History, UP Los Baños, College, Laguna

Education
Doctor of Philosophy in Entomology, University of the Philippines Los Baños, College, 4031, Laguna 2011
Master of Science in Entomology minor in Genetics, University of the Philippines Los Baños, College, 4031, Laguna 2003
Bachelor of Science in Agriculture major in Entomology, University of the Philippines Los Baños, College, 4031, Laguna 1999

Fields of Specialization
Entomology
Spider Taxonomy (Araneae: Araneidae)
Insect Taxonomy (Lepidoptera: Geometridae)
Insect Ecology

Employment
University Extension Associate I, UPLB Museum of Natural History, 2004 October-2006 June
University Research Associate II, National Institute of Molecular Biology and Biotechnology (BIOTECH), University of the Philippines L, 2000 January-2002 October

Association Membership
Member, Association of Systematic Biologists
Lifetime Member, Biology Teachers’ Association (BIOTA)
Member, Philippine Association of Entomologists
Regular Member, National Research Council of the Philippines
Charter Member, U.P. Entomological Society Alumni Association
Lifetime Member, University of the Philippines Alumni Association

Honors / Awards
Outstanding Young Scientist Award, National Academy of Science and Technology (NAST) 2015
Junior Biologist In Focus 2009, Philibioscientia 2009 August 13
International Publication Award, UP System 2008
CSC Pag-asa Award (Group Category), Civil Service Commission 2008 September
2nd Best Paper Awardee for Research Category (AFNR), Northern Mindanao Consortium for Agriculture and Resources Research and Development (NOMCARRD) 2008 August

International Publication Award, UP System 2006

AFMA R&D Paper Award Crop Science Upstream Sub-Category Unpublished Category, Department of Agriculture - Bureau of Agricultural Research (DA-BAR) 2001 October

Luisito Cuy Memorial Award for Systematics (BSc Level), Luisito Cuy Memorial Fund 2000 June

Trainings

47th BIOTA Annual National Convention and Scientific Sessions, Ateneo de Naga University, Naga City, Bicol 2012 April 12

40th Anniversary and Scientific Conference of the Pest Management Council of the Philippines, Hotel Supreme, Baguio City 2009

20th NOMCARRD Regional Symposium on Research & Development (R&D) Highlights, Philtown Hotel, Cagayan de Oro City 2008

39th Pest Management Council of the Philippines, Inc., Asturias Hotel, Puerto Princesa City 2008

UPLB-PIA Workshop Series on Publishing and Photography for the Print Media and the Web, UP Los Baños 2006 April 4

Accredited Researchers Training for Pesticide, Continuing Education Center 2003 December 10

Researches

Completed

Taxonomy of Philippine Derby Spiders

Nutritional Quality of Philippine Edible Insects

Systematics of Geometridae in Selected Forested Areas of Luzon

Papers Presented


and Scientific Conference of the Pest Management Council of the Philippines, Hotel Supreme, Baguio City.


Publications


2014 Lit, I.L., Jr., Caasi-Lit, M.T., & Barrion-Dupo, A.L.A., Three New Records of


2013


2012


2011


2010


Name: Abigail Morales Baticados
Gender: Female

Organizational Affiliations
- Assistant Professor 4, Dept. of Veterinary Paraclinical Sciences (DVPS), College of Veterinary Medicine (CVM), UPLB
- Research Staff, UPLB Bee Program, University of the Philippines at Los Baños

Education
- Doctor of Veterinary Medicine, College of Veterinary Medicine, University of the Philippines Los Baños, College, 4031 Laguna 2000

Fields of Specialization
- Pathology of Parasitic and Rickettsial Diseases
- Oncology
- Apitherapy
- Establishment of Specific Molecular Diagnostic System for Rickettsial and Protozoan Parasite of Small and Large Animals
- Molecular Biology
- Entomology
- Microbiology
- Cancer Biology
- Parasitic Diseases
- Small Animal Handling
- RNA Interference
- Cancer Biomarkers
- Gene Silencing

Employment
- Assistant Professor 4, Dept. of Veterinary Paraclinical Sciences - College of Veterinary Medicine, University of the Philip, 2010-Present
- Academic Personnel Committee Member, Dept. of Veterinary Paraclinical Sciences - College of Veterinary Medicine, University of the Philip, 2010-2012
- Head, Pathology Section, Dept. of Veterinary Paraclinical Sciences - College of Veterinary Medicine, University of the Philip, 2008-2010
- Assistant Professor 2, Dept. of Veterinary Paraclinical Sciences - College of Veterinary Medicine, University of the Philip, 2008-2010
- Assistant Professor 1, Dept. of Veterinary Paraclinical Sciences - College of Veterinary Medicine, University of the Philip, 2004-2008
Association Membership
Member, Veterinary Practitioners Association of the Philippines
Regular Member, National Research Council of the Philippines

Honors / Awards
Distinguished Alumnus Award for Veterinary Research, University of the Philippines Los Baños 2012 - 2013
Dianne Lieberman Professorial Chair Lecture, University of the Philippines Los Baños 2012 - 2013
Dianne Lieberman Professorial Chair Lecture, University of the Philippines Los Baños 2011 - 2012
Basic Research Award, University of the Philippines Los Baños 2009 May - 2011 April
Zoilo M. Lapuz Academic Excellence Award in Zootechnics, College of Veterinary Medicine, University of the Philippines Los Baños 2000
Top 10 Veterinary Licensure Board Examination, UPLB, College of Veterinary Medicine 2000
Undergraduate Scholarship Grant, Merial Philippines 1998 - 2000
Dean's Lister / Honor Roll (5 semesters), University of the Philippines Los Baños

Trainings
6th International Symposium, Korean Division of the C.L. Davis DVM Foundation, Chonnam University, College of Veterinary Medicine, Chonnam National University in Gwangju City 2012 October 29
18th BEENET Conference and Technofora, Punta Villa, Arevalo District, Iloilo City 2012 July 19-21

Researches
Completed
Histopathological and in vitro antimicrobial study of post incisional wound with 30% ethanol extracted propolis as cicatrization agent in felines (Felis catus), 2012
Evaluation of Ethanol Extracted Propolis as Topical Antimicrobial and Healing Agent on Post-operative Wound in Laboratory Animals, 2012-13

Papers Presented
2012 October 31 Baticados, A.M., et. al (2012 October 31). A Different Breed of Philippine Hero Korea, College of Veterinary Medicine, Gyeonsang National University, Gazwa, Jinju, Gyeongnam, Republic of Korea.


**Publications**


Name  Waren Navarra Baticados
Gender  Male
Organizational Affiliations
  Associate Professor, and Scientist I, College of Veterinary Medicine, University of the Philippines Los Baños, College, 4031 Laguna

Education
  Doctor of Philosophy in Veterinary Science, Gifu University, 1-1 Yanagido, Gifu, Gifu Prefecture 501-1193, Japan 2005
  Doctor of Veterinary Medicine, University of the Philippines Los Baños, College, 4031 Laguna 1996

Fields of Specialization
  Veterinary Parasitology
  Microbiology
  Pathology

Employment
  Research Associate, University of British Columbia, Dept. of Pathology & Laboratory Medicine, 2015 January 12-2016 March 31
  Research Associate, BC Centre for Disease Control, 2015 January 12-2016 March 31
  Laboratory Assistant 2, ALS Environmental, 2014 July 21-2014 November 28
  Tool Town - Part Time Retail Floor Associate, Canadian Tire, 2014 July 11-2014 August 30
  Employee, Nutri-Nation Functional Foods, 2013 October 10-2014 January 24
  Member, Institutional Animal Care and Use Committee, College of Veterinary Medicine, University of the Philippines Los Baños, 2011-2013
  Chair, Committee on Research Coordination, College of Veterinary Medicine, University of the Philippines Los Baños, 2011-2013
  Intellectual Property Representative, College of Veterinary Medicine, University of the Philippines Los Baños, 2011-2013
  Researcher / Research Staff, UPLB Bee Program, College of Arts and Sciences, University of the Philippines Los Baños, 2011-2013
  UP Scientist I, University of the Philippines System, 2011-2013
  Head, Veterinary Molecular Biology Laboratory, College of Veterinary Medicine, University of the Philippines Los Baños, 2010-2012
  Associate Professor III, College of Veterinary Medicine, University of the Philippines Los Baños, 2010-2013
  Head, Parasitology Section, College of Veterinary Medicine, University of the Philippines Los Baños, 2005-2010
  Research Assistant, National Research Center for Protozoan Diseases, Obihiro
University of Agriculture and Veterinary Medicine, 2002-2003
Assistant Professor (I-VII), College of Veterinary Medicine, University of the Philippines Los Baños, 1997-2009
Resident Veterinarian, College of Veterinary Medicine, University of the Philippines Los Baños, 1997-2000
Instructor III, College of Veterinary Medicine, University of the Philippines Los Baños, 1996-1997

**Association Membership**
- Member, Entomological Society of British Columbia
- Member, Food and Environmental Parasitology Network (Canada)
- Member, Gamma Sigma Delta Honor Society of Agriculture
- Member, Philippine Academy of Young Scientists/OYSI
- Member, Philippine Veterinary Medical Association
- Regular Member, National Research Council of the Philippines
- Member, Beekeepers’ Network Philippines Foundation, Inc. (BEENET)
- Member, The Outstanding Young Men of The Philippines
- Member, Vancouver Bioinformatics Users Group (VanBUG)
- Member, UBC Global Health Online Network
- Member, Canadian Association for Clinical Microbiology and Infectious Diseases (CACMID)
- Member, Pueblo Science Organization
- Member, International Society for Microbial Ecology (ISME)

**Honors / Awards**
- 2016 Canadian Association for Clinical Microbiology and Infectious Diseases (CACMID) Technologist Poster Award (Group award), Canadian Association for Clinical Microbiology and Infectious Diseases - Association of Medical Microbiology and Infectious Diseases Canada (CACMID-AMMI) 2016
- 2013 NSTW Outstanding R&D Award for Basic Research (Eduardo Quisumbing Medal), National Academy of Science and Technology 2013
- 2012 The Outstanding Young Men (TOYM) of the Philippines, Junior Chamber International-Philippines 2012
- 2012 Distinguished Alumnus Award for Veterinary Research, University of the Philippines, College of Veterinary Medicine Alumni Association, Philippines 2012
- Finalist (citation award), 2012 GAWAD SAKA Outstanding Agricultural Scientist, Department of Agriculture-Bureau of Agricultural Research (DA-BAR) 2012
- Southeast Asia, SEARCA Regional Professorial Chair Award, Southeast Asian Regional Center for Graduate Study and Research in Agriculture 2012
- 2011 Outstanding Young Scientist (OYS) of the Philippines, National Academy of Science and Technology 2011
UP Scientist I (UP Scientific Productivity Award: 2011-2013), University of the Philippines System 2011-2013

Dianne Lieberman Professorial Chair Lecture Award, University of the Philippines Los Baños 2010

UPLB Alumni Association Professorial Chair Lecture Award, University of the Philippines Los Baños 2009

San Miguel Corporation Professorial Chair Lecture Award, University of the Philippines Los Baños 2008

UPLB Alumni Association Professorial Chair Lecture Award, University of the Philippines Los Baños 2007

International Publication Awards (2005-2013), University of the Philippines System 2005

Professor Lope M. Yutuc Research Award in Veterinary Parasitology, College of Veterinary Medicine University of the Philippines Los Baños 1996

Trainings

Introduction to Linux and Microbial Informatics, Public Health Agency of Canada-National Microbiology Laboratory, Canadian Centre for Human and Animal Health, Winnipeg 2016 April 15

Privacy and Confidentiality (All PSHA Agencies), Provincial Health Service Authority, Canada 2016 April 3


18th BEENET Conference and Technofora, Punta Villa, Arevalo District, Iloilo City 2012 July 19

40th Annual Scientific Conference, Veterinary Practitioners Association of the Philippines, The Peninsula Manila Hotel, Makati City, Philippines 2012 June 14

Researches

Completed

Apitheraphy in Animals: I. Clinical Testing and Therapeutic Application of Formulated Bee Products as Antimicrobial and Wound Healing Enhancing Agent using Animal Models

Evaluation of Ethanol Extracted Propolis as Topical Antimicrobial and Healing Agent on Post-operative Wound in Laboratory Animals

Mapping-out Canine Heartworm infection in the Philippines

Erythron and Thrombon Profile, Serology and PCR Assay of Canine Monocytic Ehrilichiosis

Histopathological and in vitro antimicrobial study of post incisional wound with 30% ethanol extracted propolis as cicatrization agent in felines (Felis catus)

Comparison of Polymerase Chain Reaction and Clinicopathological Examination in the Diagnosis of *Ehrlichia spp.* infection in Canines

PCR-Based Diagnostic Method for Livestock Trypanosomosis in Quezon
Ongoing
Detection of Antibiotic Residues and Resistome Profile from an Agricultural Impacted Watershed in British Columbia

Papers Presented


Publications

2016


2014


2013


2012


2011


2009


2008


2007


2006


2005


2004

Baticados, W.N., Towards the Development of *Trypanosoma congolense* species-


Name: Corazon Veron Cruz-Barba
Gender: Female

Organizational Affiliations
- Director, Institute of Human Nutrition and Food, University of the Philippines Los Baños, College, 4031 Laguna
- Scientific Advisor, International Life Sciences Institute,
- Professor Emeritus, Institute of Human Nutrition and Food, College of Human Ecology, University of the Philippines Los Baños, College, 4031 Laguna
- Executive Trustee, Nutrition Foundation of the Philippines,
- Fellow, East-West Center,
- Fellow, World Bank,

Fields of Specialization
- Food Fortification
- Food and Nutrition
- Nutrition Assessment
- Malnutrition
- Nutritional and Nutrition Education
- Clinical Nutrition
- Child Nutrition
- Nutritional and Metabolic Diseases
- Nutritional Epidemiology
- Applied Nutrition
- Community Nutrition
- Anthropometry
- Childhood/Pediatric Obesity
- Non-Communicable Diseases
- Dietary Supplements
- Indigenous Foods
- Abdominal Obesity
- ComplementaryFeeding
- Growth and Development
- Diet
Employment

Professor Emeritus, University of the Philippines Los Baños

Papers Presented


Publications


Name: Maria Victoria Ortega-Espaldon  
Gender: Female  
Organizational Affiliations:  
Professor 12, School of Environment Science and Management, University of the Philippines Los Baños  

Education:  
Bachelor of Science in Biology (Program in Ecology), University of the Philippines Los Baños, College, 4031 Laguna 1984  
Master of Science in Forestry (Major in Social Forestry), University of the Philippines Los Baños, College, 4031 Laguna 1992  
Doctor of Philosophy in Geography (Rural Resource Assessment and Environmental Analysis), University of Guelph, Ontario, Canada 1995  

Fields of Specialization:  
Environmental Science  
Higher Education  
Sustainable Development  
Geography  
Science Education  
Waste Management  
Environmental Impact Assessment  
Climate Change Adaptation  
Disaster Management  
Disaster Risk Reduction  
Vulnerability Analysis  
Vulnerability Assessment  
Agricultural Science  
Geoscience  
Ecology  
Social Forestry  

Employment:  
Vice-Chancellor for Research and Extension, University of the Philippines Los Baños  
Dean, School of Environment Science and Management, University of the Philippines Los Baños  

Association Membership:  
Member, Technical Committee on Environmental Science, Commision on Higher Education (CHED)
Papers Presented

2015 June 11-13

2008 February 23-27

Publications

2015


2014

2013

2012

Espaldon, M.V.O., Progress of the Modeling Approach on Land Change Science: Comments on Modelling the Dynamics and Consequences of Land System Change.


Name: Joebert D. Toledo  
Gender: Male  
Organizational Affiliations:  
Marine Finfish Seed Production Specialist, Feedmix Specialists Inc II, 53 National Rd., Dampol II A., Pulilan, 3005 Bulacan  
Education:  
- Doctor of Agriculture, Hiroshima University, Hiroshima, Japan 2002  
- Master of Science, Hiroshima University, Hiroshima, Japan 1990  
- Bachelor of Science in Fisheries, University of the Philippines, Diliman, Quezon City 1980  
Fields of Specialization:  
- Aquaculture  
- Aquaculture Fisheries  
- Fish Breeding  
- Agricultural Science  
- Fisheries Science  
- Project Management  
- Sustainable Development  
Employment:  
- Marine Finfish Seed Production Specialist, Feedmix Specialists Inc II, 2013-Present  
- Project Management Specialist, Pacific Rim Innovation and Management Exponents, Inc., 2012-2012  
- Chief, Aquaculture Department, Southeast Asian Fisheries Development Center (SEAFDEC), 2006-2012  
- Aquaculture Consultant, Enterpreneur, Integrated Services for the Development of Aquaculture and Fisheries, 2004 June-2006 April  
- Scientist, Aquaculture Department, Southeast Asia Fisheries Development Center, 1999 - 2004  
- Associate Scientist, Aquaculture Department, Southeast Asia Fisheries Development Center, 1995 - 1999  
- Marine Fish Seed Production Expert, Department of Fisheries Brunei Darussalam, 1992 - 1995  
- Research Associate, Aquaculture Department, Southeast Asia Fisheries Development Center, 1990 – 1992  
- Research Assistant, Aquaculture Department, Southeast Asia Fisheries Development Center, 1981 – 1990
Research Assistant, Fishery Industry Development Council Ministry of Natural Resources, 1980

**Association Membership**

Member, Graduate thesis committee memberships

Member, Asian Fisheries Society

Member, Physiology Section, American Fisheries Society

Member, Philippine Aquaculture Society

Member, Philippine Fisheries Association

Member, Philippine Association of Japan Ministry of Education Scholars

Reviewer, Aquaculture (Elsevier)

Reviewer, Philippine Journal of Science (Dept of Science and Technology, Philippines)

Reviewer, UPV Journal of Natural Sciences

**Honors / Awards**

Outstanding Professional of the Year (Fisheries Technologist), Professional Regulation Commission 2009

Licensed Fisheries Technologist, Professional Regulation Commission 2006

Outstanding Monograph Award "Husbandry and Health Management of Groupers", National Academy of Science and Technology 2004

Outstanding Fisheries Professional "Gawad Pangisdaan Award", Philippine Fisheries Association 2003

DA Secretary's Award - R & D Published Paper, 14th National Research Symposium, Bureau of Agricultural Research 2002 November

Best Published Paper in Marine Fisheries Category "Bangus Fry Assessment of the Philippines", 15th Elvira-Tan Memorial Awards 2001

Best Seminar Presenter, SEAFDEC AQD, Tigbauan, Iloilo 2000 December

Certificate of Achievement, DOST - FAO/UNDP (GAINEX) Milkfish Broodstock and Hatchery Project 1999

Career Sub-Professional, Civil Service Commission 1980

**Trainings**

Consultant, Rajiv Gandhi Center for Aquaculture, Andaman, India 2006

ASEM Breeding and Domestication Workshop, Bangkok, Thailand 2005

Consultant, Phatfish Hatchery, Vaung Thau, Vietnam 2005

Grouper Aquaculture Workshop, Northern Fisheries Cairns, DPI Queensland, Australia 2003

Workshop on "Culture of copepods and applications to marine finfish larval rearing", Oceanic Institute, Honolulu, Hawaii, USA 2003

Onsite Expert on "Production of good quality seeds", Vietnam and Myanmar 2003
Onsite Expert on "Grouper Seed Production", Queensland, Australia 2003
Marine Finfish Aquaculture, Halong City, Vietnam 2002
Advances on Grouper Aquaculture, ACIAR Project 97/73, Tigbauan, Iloilo 2001
Onsite Training on Mangrove Friendly Aquaculture, Yangon, Myanmar 2001
Sustainable Seafarming and Grouper Aquaculture Workshop, Medan, Indonesia 2000
First Annual Meeting, ACIAR Project FIS 97/73, Cairns, Australia 2000
ACIAR-Project FIS 97/73 Meeting, Bali, Indonesia 1999
Onsite Training on Mangrove Friendly Aquaculture, Haipong, Vietnam 1999
First International Conference on the Culture of Portunid Crabs, Philippines 1998
Grouper Aquaculture Workshop, Bangkok, Thailand 1998
International Congress on the Biology of Fishes, San Francisco, California, USA 1996
Marine Fish Hatchery Training Course, SEAFDEC AQD, Philippines 1995
Third Asian Fisheries Forum, Singapore 1992
First Asian Fisheries Forum, Manila, Philippines 1986

Papers Presented


Publications


Toledo, J.D., Salvacion Golez, M., & Ohno, A., Studies on the Use of Copepods in

Toledo, J.D., Quinitio, G.F., Sa-an, A.C., & Tan-Fermin, J.D., Changes in the gastrointestinal tract and associated organs during early development of the grouper (Epinephelus coioides). In M.A. Rimmer, S. McBride, & K.C. Williams (Eds.), Advances in grouper aquaculture. ACIAR Monograph, 2004, 110:26-29.


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Fields of Specialization
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Balik Scientist Award, Department of Science and Technology 2010
Outstanding Alumnus Award, Chemistry Department, University of San Carlos, Philippines 2006
Fellowship Award, for research on a policy framework to promote low-waste technologies, Canadian Environmental Research Council 1986
Certificate for Outstanding Scholarship in Chemistry, Cebu Chemical Society 1966
Scholarship, Southeast Asian Treaty Organization (SEATO) 1966

Trainings
Certificate of Training as Lead Internal Auditor (ISO 14001), 2003 Quality Management Institute, Canada 2003
Certificate in Coastal Zone Management, 1985 International Ocean Institute, Dalhousie University, Canada 1985
Researches

**Completed**

Innovation for Sustainability among Micro and Small enterprises in India

Environmental Capacity Enhancement Project (ECEP) in East, Central and Southern Africa

Environmental Assessment Coherence Analysis

State-Community management of community services in drinking water and sanitation. A Comparative analysis of Tri-national case studies in Mexico, U.S. and Canada

Status of EA Post Rio: Progress, Challenges and Opportunities

Environmental Capacity Enhancement Project in Cuba

Towards an Inclusive Framework for Environmental Impact Assessment in Canada

Participation, Negotiation and Contention in Environmental Assessment: Comparative Case Studies from the North and the South

Reconciling productivity enhancement and environmental sustainability among small and medium enterprises

Community Engagement in Adaptive Management in Environmental Assessment Follow-up

Threat Response? Innovation among Micro and Small Industry Clusters

Disaster Management, Communities and Climate Change

Waste Management for Sustainable Development in India. Policy, Planning and Administrative Dimension

**Papers Presented**


Fruit, Why Doesn’t Industry Pick It?, Joint CASA-CASID Conference. Montréal, Canada.


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Papers Presented


Publications


Author Index

Añasco, Nathaniel C.
Aquatic Ecotoxicology
Bioaccumulation
Fisheries Biology
Marine Chemistry
Marine Pollution and Ecotoxicology
Water Quality

Acda, Menandro N.
Agriculture
Bio-based Composites
Bioenergy
Forestry
Materials Engineering
Termite Biology and Control
Wood Adhesion and Glues
Wood Protection
Wood Protection/Biodeterioration

Acosta-Michlik, Lilibeth A.
Agricultural Economics
Agriculture Policy
Ecosystem Modelling
Environmental Science
Vulnerability and Adaptation to Climate Change Impacts

Aggangan, Nelly S.
Agriculture
Bioremediation
Forest Biotechnology
Forestry
Mycorrhiza Technology for Agriculture and Forestry
Phyto remediation
Plant Nutrition

Aguja, Socorro E.
Agricultural Plant Science
Agronomy
Cellular Ultrastructure
Citriculture
Environmental Science
Horticulture
Pedagogy and Education
Teaching and Learning
Anterola, Aldwin M.

Biochemistry  
Biotechnology  
Genome Analysis  
Gibberellins  
Molecular Biology  
Phytochemistry  
Phytohormones  
Plant Physiology

Arnado, Mary Janet Madrono

Colonialism and Filipina feminism  
Globalization and Gendered Migration  
Natural Resources, violent conflict and internal displacement  
Southern Asia (Philippines, Singapore) and Europe (Germany)  
Sustainable Agriculture

Arriola, Axel H.

Biological Sciences  
Botany  
Conservation Biology  
DNA Barcoding  
Phylogenetics  
Plant-Microorganism Interaction  
Systematics (Taxonomy)

Asio, Victor B.

Agriculture and Forestry  
Crops and Soils  
Geo-Ecology  
Nutrient Cycling  
Soil Degradation  
Soil Development  
Soil Management  
Soil Pollution  
Soil Science (Pedology)

Bañez, Solita Evangeline S.

Agricultural Plant Science  
Agricultural Science  
Agronomy  
Biochemistry  
Ecology  
Environmental Science  
Food Science  
Horticulture  
Irrigation and Water Management  
Plant Protection and Animal Health
Balangcod, Teodora D.
Biological Sciences
Ecology
Ethnobotany
Medicinal Plants
Phytochemicals
Plant Ecology and Systematic Botany
Plant Taxonomy
Secondary Metabolites

Baoanan, Zenaida Gutay
Biological Sciences
Invertebrate Taxonomy
Malacology
Systematics

Barba, Ramon Cabanos
Fruit and Ornamental Crops
Horticulture
Physiology of Growth and Flowering
Plant Growth Regulator
Plant Propagation
Tissue Culture
Weed Control

Barrion-Dupo, Aimee Lynn Adato
Entomology
Insect Ecology
Insect Taxonomy (Lepidoptera: Geometridae)
Spider Taxonomy (Araneae: Araneidae)

Baticados, Abigail Morales
Apitherapy
Cancer Biology
Cancer Biomarkers
Entomology
Establishment of Specific Molecular Diagnostic System for Rickettsial and Protozoan parasite of Small and Large Animals
Gene Silencing
Microbiology
Molecular Biology
Oncology
Parasitic Diseases
Pathology of Parasitic and Rickettsial Diseases
RNA Interference
Small Animal Handling

Baticados, Waren Navarra
Microbiology
Pathology
Veterinary Parasitology

Cruz-Barba, Corazon Veron

Abdominal Obesity
Anthropometry
Applied Nutrition
Child Nutrition
Childhood/Pediatric Obesity
Clinical Nutrition
Community Nutrition
Complementary Feeding
Diet
Dietary Supplements
Food and Nutrition
Food Fortification
Growth and Development
Indigenous Foods
Malnutrition
Non-Communicable Diseases
Nutrition Assessment
Nutritional and Metabolic Diseases
Nutritional and Nutrition Education
Nutritional Epidemiology

Ortega-Espaldon, Maria Victoria

Agricultural Science
Climate Change Adaptation
Disaster Management
Disaster Risk Reduction
Ecology
Environmental Impact Assessment
Environmental Science
Geography
Geoscience
Higher Education
Science Education
Social Forestry
Sustainable Development
Vulnerability Analysis
Vulnerability Assessment
Waste Management

Toledo, Joebert D.

Agricultural Science
Aquaculture
Aquaculture Fisheries
Fish Breeding
Fisheries Science
Project Management
Sustainable Development
Yap, Nonita T.

Foreign Policy
Qualitative Social Research
Social Policy

Yorobe, Jose M., Jr.

Agricultural Marketing and Price Analysis
Agricultural Policy and Development
Impact Assessment
Specialization Index

Abdominal Obesity
   Cruz-Barba, Corazon Veron

Agriculture
   Aggangan, Nelly S.

Agricultural Economics
   Acosta-Michlik, Lilith A.

Agricultural Marketing and Price Analysis
   Yorobe, Jose M., Jr.

Agricultural Plant Science
   Aguja, Socorro E.
   Banez, Solita Evangeline S.

Agricultural Policy and Development
   Yorobe, Jose M., Jr.

Agricultural Science
   Banez, Solita Evangeline S.
   Ortega-Espaldon, Maria Victoria
   Toledo, Joebert D.

Agriculture
   Acda, Menandro N.

Agriculture and Forestry
   Asio, Victor B.

Agriculture Policy
   Acosta-Michlik, Lilith A.

Agronomy
   Aguja, Socorro E.
   Banez, Solita Evangeline S.

Anthropometry
   Cruz-Barba, Corazon Veron

Apitherapy
   Baticados, Abigail Morales

Applied Nutrition
   Cruz-Barba, Corazon Veron

Aquaculture
   Toledo, Joebert D.

Aquaculture Fisheries
   Toledo, Joebert D.
Aquatic Ecotoxicology
Añasco, Nathaniel C.

Bio-based Composites
Acda, Menandro N.

Bioaccumulation
Añasco, Nathaniel C.

Biochemistry
Bañez, Solita Evangeline S.
Anterola, Aldwin M.

Bioenergy
Acda, Menandro N.

Biological Sciences
Balangcod, Teodora D.
Baoanan, Zenaida Gutay
Arriola, Axel H.

Bioremediation
Aggangan, Nelly S.

Biotechnology
Anterola, Aldwin M.

Botany
Arriola, Axel H.

Cancer Biology
Baticados, Abigail Morales

Cancer Biomarkers
Baticados, Abigail Morales

Cellular Ultrastructure
Aguja, Socorro E.

Child Nutrition
Cruz-Barba, Corazon Veron

Childhood/Pediatric Obesity
Cruz-Barba, Corazon Veron

Citriculture
Aguja, Socorro E.

Climate Change Adaptation
Ortega-Espaldon, Maria Victoria

Clinical Nutrition
Cruz-Barba, Corazon Veron

Colonialism and Filipina feminism
Arnado, Mary Janet Madrono
Community Nutrition
  Cruz-Barba, Corazon Veron

Complementary Feeding
  Cruz-Barba, Corazon Veron

Conservation Biology
  Arriola, Axel H.

Crops and Soils
  Asio, Victor B.

Diet
  Cruz-Barba, Corazon Veron

Dietary Supplements
  Cruz-Barba, Corazon Veron

Disaster Management
  Ortega-Espaldon, Maria Victoria

Disaster Risk Reduction
  Ortega-Espaldon, Maria Victoria

DNA Barcoding
  Arriola, Axel H.

Ecology
  Balangcod, Teodora D.
  Ortega-Espaldon, Maria Victoria
  Bañez, Solita Evangeline S.

Ecosystem Modelling
  Acosta-Michlik, Lilibeth A.

Entomology
  Baticados, Abigail Morales
  Barrion-Dupo, Aimee Lynn Adato

Environmental Impact Assessment
  Ortega-Espaldon, Maria Victoria

Environmental Science
  Acosta-Michlik, Lilibeth A.
  Aguja, Socorro E.
  Bañez, Solita Evangeline S.
  Ortega-Espaldon, Maria Victoria

Establishment of Specific Molecular Diagnostic System for Rickettsial and Protozoan Parasite of Small and Large Animals
  Baticados, Abigail Morales

Ethnobotany
  Balangcod, Teodora D.
Fish Breeding
Toledo, Joebert D.

Fisheries Biology
Añasco, Nathaniel C.

Fisheries Science
Toledo, Joebert D.

Food and Nutrition
Cruz-Barba, Corazon Veron

Food Fortification
Cruz-Barba, Corazon Veron

Food Science
Bañez, Solita Evangeline S.

Foreign Policy
Yap, Nonita T.

Forest Biotechnology
Aggangan, Nelly S.

Forestry
Acda, Menandro N.
Aggangan, Nelly S.

Fruit and Ornamental Crops
Barba, Ramon Cabanos

Gene Silencing
Baticados, Abigail Morales

Genome Analysis
Anterola, Aldwin M.

Geo-Ecology
Asio, Victor B.

Geography
Ortega-Espaldon, Maria Victoria

Geoscience
Ortega-Espaldon, Maria Victoria

Gibberellins
Anterola, Aldwin M.

Globalization and Gendered Migration
Amado, Mary Janet Madrano

Growth and Development
Cruz-Barba, Corazon Veron
Higher Education
Ortega-Espaldon, Maria Victoria

Horticulture
Bañez, Solita Evangeline S.
Barba, Ramon Cabanos
Aguja, Socorro E.

Impact Assessment
Yorobe, Jose M., Jr.

Indigenous Foods
Cruz-Barba, Corazon Veron

Insect Ecology
Barrion-Dupo, Aimee Lynn Adato

Insect Taxonomy (Lepidoptera: Geometridae)
Barrion-Dupo, Aimee Lynn Adato

Invertebrate Taxonomy
Baoanan, Zenaida Gutay

Irrigation and Water Management
Bañez, Solita Evangeline S.

Malacology
Baoanan, Zenaida Gutay

Malnutrition
Cruz-Barba, Corazon Veron

Marine Chemistry
Añasco, Nathaniel C.

Marine Pollution and Ecotoxicology
Añasco, Nathaniel C.

Materials Engineering
Acda, Menandro N.

Medicinal Plants
Balangcod, Teodora D.

Microbiology
Baticados, Abigail Morales
Baticados, Waren Navarra

Molecular Biology
Baticados, Abigail Morales
Anterola, Aldwin M.

Mycorrhiza Technology for Agriculture and Forestry
Aggangan, Nelly S.
Natural Resources, violent conflict and internal displacement
Arnado, Mary Janet Madrono

Non-Communicable Diseases
Cruz-Barba, Corazon Veron

Nutrient Cycling
Asio, Victor B.

Nutrition Assessment
Cruz-Barba, Corazon Veron

Nutritional and Metabolic Diseases
Cruz-Barba, Corazon Veron

Nutritional and Nutrition Education
Cruz-Barba, Corazon Veron

Nutritional Epidemiology
Cruz-Barba, Corazon Veron

Oncology
Baticados, Abigail Morales

Parasitic Diseases
Baticados, Abigail Morales

Pathology
Baticados, Waren Navarra

Pathology of Parasitic and Rickettsial Diseases
Baticados, Abigail Morales

Pedagogy and Education
Aguja, Socorro E.

Phylogenetics
Arriola, Axel H.

Physiology of Growth and Flowering
Barba, Ramon Cabanos

Phytochemicals
Balangcod, Teodora D.

Phytochemistry
Anterola, Aldwin M.

Phytohormones
Anterola, Aldwin M.

Phytoremediation
Aggangan, Nelly S.

Plant Ecology and Systematic Botany
Balangcod, Teodora D.

Plant Growth Regulator
  Barba, Ramon Cabanos

Plant Nutrition
  Aggangan, Nelly S.

Plant Physiology
  Anterola, Aldwin M.

Plant Propagation
  Barba, Ramon Cabanos

Plant Protection and Animal Health
  Bañez, Solita Evangeline S.

Plant Taxonomy
  Balangcod, Teodora D.

Plant-Microorganism Interaction
  Arriola, Axel H.

Project Management
  Toledo, Joebert D.

Qualitative Social Research
  Yap, Nonita T.

RNA Interference
  Baticados, Abigail Morales

Science Education
  Ortega-Espaldon, Maria Victoria

Secondary Metabolites
  Balangcod, Teodora D.

Small Animal Handling
  Baticados, Abigail Morales

Social Forestry
  Ortega-Espaldon, Maria Victoria

Social Policy
  Yap, Nonita T.

Soil Degradation
  Asio, Victor B.

Soil Development
  Asio, Victor B.

Soil Management
  Asio, Victor B.
Soil Pollution
Asio, Victor B.

Soil Science (Pedology)
Asio, Victor B.

Southern Asia (Philippines, Singapore) and Europe (Germany)
Arnado, Mary Janet Madrono

Spider Taxonomy (Araneae: Araneidae)
Barrion-Dupo, Aimee Lynn Adato

Sustainable Agriculture
Arnado, Mary Janet Madrono

Sustainable Development
Ortega-Espaldon, Maria Victoria
Toledo, Joebert D.

Systematics
Baoanan, Zenaida Gutay

Systematics (Taxonomy)
Arriola, Axel H.

Teaching and Learning
Aguja, Socorro E.

Termite Biology and Control
Acda, Menandro N.

Tissue Culture
Barba, Ramon Cabanos

Veterinary Parasitology
Baticados, Waren Navarra

Vulnerability Analysis
Ortega-Espaldon, Maria Victoria

Vulnerability and Adaptation to Climate Change Impacts
Acosta-Michlik, Lilibeth A.

Vulnerability Assessment
Ortega-Espaldon, Maria Victoria

Waste Management
Ortega-Espaldon, Maria Victoria

Water Quality
Añasco, Nathaniel C.

Weed Control
Barba, Ramon Cabanos
Wood Adhesion and Glues
   Acda, Menandro N.

Wood Protection
   Acda, Menandro N.

Wood Protection/Biodeterioration
   Acda, Menandro N.