



The **Philippine** **Men & Women** of Science

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

Volume XXX

Philippine Men and Women of Science

(Formerly Philippine Men of Science)



**INFORMATION RESOURCES AND ANALYSIS DIVISION
Science and Technology Information Institute
Department of Science and Technology**

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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.

Crisis brings clarity; clarity requires understanding. Faced with changing patterns of progress and disasters, indicators help us comprehend and mobilize both fundamental and applied research and technological applications that will address and prevent these situations. This online bio-bibliographical publication highlights human resources and organizations that our readers can use. From the economists and experts within the government to competent practitioners in various industries, organizations, and communities, everyone can find kinetic uses within our comprehensive list. For our nation's teachers whose influence is undeniable, an introduction to these individual profiles may help enlighten their students and increase patriotism for their homeland. The indicators mentioned also serves as a catalyst to stimulate and herald sustainable nationwide growth and development.

Significant changes in the *Philippine Men and Women of Science Volume 30* show our scientists and technologists in a theme-based edition. Respective profiles that appear handled important indicators and areas for scientific policy development that work in the context of Environment Conservation, Medicinal Biotechnology, and Chemical Engineering. If a quick preview is desired, readers can use the authors and specialization indexes.

When it comes to science, society, environment and health are important in maintaining population dynamics and wellness. Food production and economic growth is heavily influenced by natural resources in the environment, hence, we highlight conservation, medicine, and the application of physical and biological techniques in engineering as key indicators that can boost the internal defense of our nation's physical welfare.

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.

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- Zoonoses
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- Veterinary Preventive Medicine
- Veterinary Science
- Agricultural Science (Animal Science)
- Vector-borne diseases

Name Catherine Hazel M. Aguilar

Gender Female

Education

Master of Science in Plant Genetics Resources Conservation and Management, University of the Philippines Los Baños, College, Laguna 4031 (Ongoing)

Bachelor of Science in Biology, Mindanao State University, General Santos Avenue, South Cotabato 2010

Fields of Specialization

Conservation Biology

Ecology

Employment

Lecturer, Mindanao State University, November 2010-March 2013

Association Membership

Member, National Research Council of the Philippines

Researches

Completed

Bio-cultural Diversity of Traditional Rice in the Marginal Uplands of Sarangani Province, Philippines: An Ethno-ecological Analysis

Coffee Genetic Resources in Sarangani Province: Diversity and Vulnerabilities to Climate Change

Status of Corn Diversity in the Marginal Uplands of Sarangani Province

Papers Presented

- 2014 Aguilar, C.H.M. (2014). Genetic Erosion of Traditional Rice Landraces in Sarangani Province, Philippines: Implications for food Security in the Uplands, 2014 ISSAAS International Congress and General Meeting: Tokyo, Japan.
- 2014 Aguilar, C.H.M. (2014). Rice Insect Pests in the Uplands of Sarangani Province and Indigenous Methods for their Control, 2014 ISSAAS International Congress and General Meeting: Tokyo, Japan.
- 2014 Aguilar, C.H.M. (2014). Farmers' Perceptions about Banana Insect Pests and IPM Systems in SOCSARGEN Area, Philippines, International Conference on Intelligent Agriculture (ICOIA 2014): Hongkong.
- 2014 Aguilar, C.H.M. (2014). Elucidating Plant Genetic Diversity and Evolution through Bioinformatics: A Review of Selected Studies, International Conference on Intelligent Agriculture (ICOIA 2014): Hongkong.
- 2014 Aguilar, C.H.M. (2014). Vulnerabilities to Climate Change and Disaster Preparedness of Risk-prone Barangays in General Santos City-A Critical Assessment, 2014 National Climate Change Conference, Manila.
- 2014 Aguilar, C.H.M. (2014). Drought Physiology of Upland Rice Varieties in Malapatan, Sarangani, 2014 National Climate Change Conference, Manila.

- 2014 Aguilar, C.H.M. (2014). Farmers' Perceptions about the effects of Climate change in coffee production in the Sarangani uplands, 2014 National Climate Change Conference, Manila.
- 2014 Aguilar, C.H.M. (2014). Strengthening climate change resilience in Sarangani upland communities using indigenous agricultural knowledge, 2014 National Climate Change Conference, Manila.
- 2013 Aguilar, C.H.M. (2013). Traditional upland rice farming practices of tribal Blaans in Kihan, Malapatan, Sarangani Province, Philippines: An ethno-ecological analysis, ISSAAS International Congress and General Meeting: Alabang, Manila.
- 2013 Aguilar, C.H.M. (2013). Dendrological Assessment of Extant Secondary Forests in Kiamba, Sarangani Province, 22nd Annual Philippine Biodiversity Symposium: CMU, Musuan, Bukidnon.
- 2013 Aguilar, C.H.M. (2013). Avifaunal Diversity, Abundance, and Endemism across Habitat Gradients in Tubajon, Dinagat Islands, 22nd Annual Philippine Biodiversity Symposium: CMU, Musuan, Bukidnon.
- 2013 Aguilar, C.H.M. (2013). Farmers' Perceptions about banana insect pests and Integrated pest management systems in SOCSARGEN area, Mindanao, Philippines, 22nd Annual Scientific Conference of the Federation of Crop Science Societies of the Philippines: Cagayan de Oro.
- 2013 Aguilar, C.H.M. (2013). Environmental degradation in the uplands of 3 disparity sitios of Sarangani Province, Philippines, 2013 National Climate Research Conference: Manila.
- 2013 Aguilar, C.H.M. (2013). Environmental Policy-making in a Medium-sized city in the Philippines: The General Santos City Experience (1989-2013), 2013 National Climate Research Conference: Manila.
- 2013 Aguilar, C.H.M. (2013). Economic Development and its Ecological Trade-offs: A Case study in General Santos City, 2013 National Climate Research Conference: Manila.
- 2012 Aguilar, C.H.M. (2012). Multilocational Adaptability Testing of Three Abaca Varieties in Southern Mindanao, 42nd Scientific Conference of the Crop Science Society of the Philippines (CSSP): Puerto Princesa, Palawan.
- 2012 Aguilar, C.H.M. (2012). Populations of Major Insect Pests in Banana Plantations in Tupi and Polomolok, South Cotabato as affected by Selected Climatic Parameters, 1st National Conference on Research in Climate Change and Variability: Metro Manila.
- 2012 Aguilar, C.H.M. (2012). Morpho–Agronomic Variability in 13 Physic nut (*Jatropha curcas* L.) Provenances as Revealed by Multivariate Methods, 12th National Genetics Symposium: Musuan, Bukidnon.
- 2011 Aguilar, C.H.M. (2011). Phenotypic Variations of Extant Ferns in Mt. Hamiguitan, Philippines, 20th Annual Philippine Biodiversity Symposium 2011: Dumaguete City.
- 2010 Aguilar, C.H.M. (2010). Paternity Testing of Selected Abaca Hybrids using Morphometric Markers, 40th Scientific Conference of the Crop Science Society of the Philippines: Davao City.
- 2010 Aguilar, C.H.M. (2010). Morphological Diversity of Abaca Cultivars in Selected Areas in Southern Mindanao, 40th Scientific Conference of the Crop Science Society of the

Philippines: Davao City.

- 2010 Aguilar, C.H.M. (2010). Variance Components and Heritability of Selected Morpho-agronomic Characters of Two Shallot Genotypes, 40th Scientific Conference of the Crop Science Society of the Philippines: Davao City.
- 2010 Aguilar, C.H.M. (2010). Physiological Characterization for Drought Tolerance of Selected Upland Rice Varieties, 40th Scientific Conference of the Crop Science Society of the Philippines: Davao City.
- 2009 Aguilar, C.H.M. (2009). Biochemical Characterization of Selected Papaya (*Carica papaya* L.) Hybrids and Inbreds, 9th Annual National Scientific Convention of the Phil. Society for the Study of Nature: MSU-IIT, Iligan.
- 2009 Aguilar, C.H.M. (2009). Growth and Yield Performance of Oyster Mushroom (*Pleurotus ostreatus*) on Different Agro-industrial Wastes, 9th Annual National Scientific Convention of the Phil. Society for the Study of Nature: MSU-IIT, Iligan.
- 2009 Aguilar, C.H.M. (2009). Germination Of Upland Rice Cultivars At Different Osmotic Potential Levels, 9th Annual National Scientific Convention of the Phil. Society for the Study of Nature: MSU-IIT, Iligan.
- 2008 Aguilar, C.H.M. (2008). Morphological Variability of Traditional Upland Rice Cultivars in Kihan, Malapatan, Sarangani Province, Philippines, 10th National Genetics Symposium: MSU-IIT.
- 2008 Aguilar, C.H.M. (2008). Varietal Diversity and Genetic Erosion of Traditional Upland Rice Cultivars in Brgy. Kihan, Malapatan, Sarangani Province, Philippines, 10th National Genetics Symposium: MSU-IIT.
- 2008 Aguilar, C.H.M. (2008). Molecular Characterization of Selected Rice Varieties in Lake Sebu, Philippines Using RAPD Markers, 10th National Genetics Symposium: MSU-IIT.
- 2008 Aguilar, C.H.M. (2008). Farming and Seed Conservation Practices of Rice Farmers in the Marginal Uplands of Lake Sebu, South Cotabato, 10th National Genetics Symposium: MSU-IIT.

Publications

- 2015 Zapico, F.L., Aguilar, C.H., Abistano, A.M., Turner, J.C., & Reyes, L.J., Biocultural Diversity of Sarangani Province, Philippines: An Ethno-ecological Analysis. *Rice Science*, 2015, 22(3):138-146.
- 2014 Zapico, F.L., Aguilar, C.H.M., Eroy, M.N., Barbosa, J.R.M., Sarsalejo, D.M., & Banisil, S.R., Morpho-agronomic Variability and GxE Interactions of Manila Hemp (*Musa textilis* L. Née) Genotypes Grown in Varying Agro-ecozones in Southern Mindanao, Philippines. *International Journal of Agronomy and Agricultural Research*, 2014, 4(2):12-20.
- Aguilar, C.H., Zapico, F.L., Namocatcat, J.A., Fortich, A.C., & Bojadores, R.M., Farmers' Perceptions about Banana Insect Pests and Integrated Pest Management Systems in SOCSARGEN, Mindanao, the Philippines. *International Proceedings of Chemical, Biological and Environmental Engineering*, 2014, 63(5):22-27.
- Zapico, F.L., & Aguilar, C.H., Elucidating Plant Genetic Diversity and Evolution through Bioinformatics: A Review of Selected Studies. *International Proceedings of Chemical, Biological and Environmental Engineering*, 2014, 63(5):28-34.
- Zapico, F.L., Penaflores, A.T., Aguilar, C.H., Laniton, L.J.J., & Palarpalar, E.G., Oro-facial Clefing and Associated Risk Factors in Selected Families in General Santos

- City. *Asian Journal of Biological and Life Sciences*, 2014, 3(2):114-119.
- 2013 Zapico, F.L., Aguilar, C.H.M., Namocatcat, J.A., Fortich, A.M., & Bojadores, R.M., Farmers' perceptions about banana insect pests and integrated management systems in banana plantations in SOCSARGEN area, Mindanao, Philippines. *Proceedings of the 22nd Federation of Crop Science Societies in the Philippines (FCSSP) Scientific Conference*, Cagayan de Oro City, 2013, 38(1):70-71.
- Zapico, F.L., Namocatcat, J.A., Turner, J.C., Aguilar, C.H.M., & Reyes, L.J., Traditional Upland rice farming practices of Tribal Blaans in Kihan, Malapatan, Sarangani province, Philippines: An Ethno-Ecological Analysis. *Book of Abstracts of the 2013 International Society for Southeast Asian Agricultural Sciences (ISSAAS) Congress and General meeting*, Acacia Hotel, Manila, 2013.
- 2012 Zapico, F.L., Aguilar, C.H.M., Madas, J.B., & Eroy, M.N., Chemical Composition, Antimicrobial Properties and Toxicity of *Jatropha curcas* Provenances from Diverse Origins. *International Journal of Agriculture and Biology*, 2012, 14(4):625-628.
- Aguilar, C.H.M., Zapico, F.L., Namocatcat, J.A., Barbosa, J.R.M., Sarsalejo, D., & Banisil, S.R., Adaptability Testing of Three *Musa textilis* L. Née (Manila Hemp) Varieties in Southern Mindanao, Philippines. *Proceedings of the 42nd Crop Science Society of the Philippines (CSSP) Scientific Conference*, Puerto Princesa City, Palawan. *Philippine Journal of Crop Science*, 2012, 37(1):98.
- 2011 Zapico, F.L., Nival, S.K., Aguilar, C.H.M., & Eroy, M.N., Phenotypic Diversity of *Jatropha curcas* L. from Diverse Origins. *Journal of Agricultural Science and Technology*, 2011, 5(2):215-219.
- Zapico, F.L., Aguilar, C.H.M., Lon, B.D., & Bagay, N.E., Phenotypic Variations of Extant Ferns in Mt. Hamiguitan Range, Mindanao Island, Philippines. *World Applied Sciences Journal*, 2011, 12(7):979-987.
- 2010 Zapico, F.L., Aguilar, C.H.M., Aujero, J.M., & Disca, B.Y., Paternity Testing of 4 Abaca Hybrids using Morphological Markers. *Journal of Agricultural Science and Technology*, 2010, 4(5):101-105.
- Zapico, F.L., Aguilar, C.H.M., & Aujero, J.M., Phenotypic Variability of Manila Hemp (*Musa textilis* L. Née) Genotypes in Southern Mindanao Island, Philippines. *Journal of Tropical Agriculture*, 2010, 48(1-2):69-71.
- Aguilar, C.H.M., Barbosa, J.R.M.I., Zapico, F.L., & Flamiano, R.S., Growth and Yield Performance of Oyster Mushroom (*Pleurotus ostreatus*) on Different Agro-industrial Wastes. *University of Southern Mindanao R&D Journal*, 2010, 18(1).
- Zapico, F.L., Martin, T.T., Pena, R.J., & Aguilar, C.H., Farming and Seed Conservation Practices Of Rice Farmers in the Marginal Uplands of Lake Sebu, South Cotabato, Philippines. *Proceedings of the 1st Annual Meeting of the American Association for the Advancement of Science (AAAS)*. Ashland, Oregon USA, 2010:110.
- Zapico, F.L., Aguilar, C.H.M., Aujero, J.M., & Disca, B.Y., Paternity Testing of Selected Abaca Hybrids using Morphometric Markers. *Proceedings of the 40th Crop Science Society of the Philippines (CSSP) Scientific Conference and Anniversary*. Davao City. *Philippine Journal of Crop Science*, 2010, 35(1):91.
- Zapico, F.L., Aguilar, C.H.M., & Aujero, J.M., Morphological Diversity of 3 Abaca Cultivars in Selected Areas in Southern Mindanao. *Proceedings of the 40th Crop Science Society of the Philippines (CSSP) Scientific Conference and Anniversary*. Davao City. *Philippine Journal of Crop Science*, 2010, 35(1):108.
- 2009 Zapico, F.L., Aguilar, C.H.M., Lasalita, A.T.C., & Jamerlan, R.P., Congenital Anomalies Among Live-Born Neonates In Five Major Hospitals in General Santos City. *University of Southern Mindanao R&D Journal*, 2009, 18(1):27-31.

Name **Leoncio A. Amadore**

Gender Male

Organizational Affiliations

Professional Lecturer, Institute of Environmental Science and Meteorology (IESM),
College of Science, University of the Philippines, Diliman, Quezon City

Education

Doctor of Philosophy in Meteorology, University of the Philippines, Diliman, Quezon
City 1989

Post Graduate Studies (Numerical Weather Prediction), University of Miami, Coral
Gables, Florida, U.S.A. 1975-1976

Post Graduate Studies (Weather Modification), University of Miami, Coral Gables,
Florida, U.S.A. 1972-1973

Master of Science in Meteorology, University of the Philippines, Diliman, Quezon
City 1972

Bachelor of Science In Education, Major in Mathematics, Minor in Physics, FEATI
University, Sta. Cruz, Manila 1968

Fields of Specialization

Meteorology

Numerical Weather Prediction

Weather Modification

Earth Science

Storm surges

Tropical cyclone

Disaster management cycle

Typhoon climatology

Employment

Consultancy services, Philippine Atmospheric, Geophysical and Astronomical
Services Administration (DOST-PAGASA), August 2014-December 2014

Consultancy services, Arellano University, Manila, July 2014-April 2015

Consultancy services, Office of Civil Defense, Dept. of National Defense, September
2013-December 2013

Consultancy services, Rice Watch and Action Network (R1), July 2013-present

Consultancy services, CEPALCO, Cagayan de Oro City, January 2013-February
2013

Lecturer - Adjunct Professor, Visayan State University (VSU-Baybay); MMSU-Laoag;
CLSU-Munoz; BU-Legaspi @ BS Meteorology course, 2011-present

Consultancy services, Crawford & Company, Philippines, Inc., October 2011-December 2011

Consultancy services, Centre for Initiatives and Research on Climate Adaptation (CIRCA), October 2009-2010

Consultancy services, Greenpeace Southeast Asia (Philippines), June 2009-August 2009

Consultancy services, Center for Environmental Studies and Management (CESM), April 2009-July 2009

Consultancy services, Philippine Atmospheric, Geophysical and Astronomical Services Administration (DOST-PAGASA), April 2009-December 2009

Professorial Lecturer, Institute of Environmental Science and Meteorology, College of Science, UP Los Baños, 2008-present

Consultancy services, Greenpeace Southeast Asia (Philippines), June 2005-November 2005

Consultancy services, World Meteorological Organization (WMO), March 2004-January 2005

Deputy Director to Director, Philippine Atmospheric, Geophysical and Astronomical Services Administration (DOST-PAGASA), 1991-2003

Government Service, Philippine Atmospheric, Geophysical and Astronomical Services Administration (DOST-PAGASA), 1960-2003

Honors / Awards

Distinguished IESM PhD Alumnus (Special Recognition), Institute of Environmental Science and Meteorology (IESM), College of Science, University of the Philippines Diliman 2015

NRCP Member Emeritus Award, National Research Council of the Philippines 2015

Atmospheric Scientist Achievement Award, National Research Council of the Philippines 2002

Distinguished and Outstanding Accomplishment in Public Service, Civil Service Commission Pag-asa Award 1984

Researches

Completed

Comprehensive risk assessment of the physical, social and economic impacts of tropical cyclones

Development of a Conceptual and a Quantitative Typhoon Damage Model

Country Studies Program for Climate Change of the Government of the USA – The Philippine Government Component

Forecasting tropical cyclone movement using the Amadore Method with updated database

Sensitivity analyses of the steady-state parameterized cumulus cloud model

Tropical cyclone hazard in the Philippines

Damage pattern of typhoon Weling (Nancy, 8222) and ground truth verification of its track

Papers Presented

- 2015 March 24 Amadore, L.A. (2015 March 24). Multi-Hazard Impact-Based Forecasting and Warning, 12th Founding Anniversary, Institute of Environmental Science and Meteorology (IESM), College of Science, UP Diliman, at the Forum on: Yolanda, Glenda, and Ruby: Forecasting, Impact Assessment, and Rehabilitation - Best Practices, Challenges, and Lessons Learned.
- 2014 October 21-22 Amadore, L.A. (2014 October 21-22). Climate Change and You!, The Earth Science Teachers' Seminar & Workshop (ESTS&WS), The National Geology Congress 2014 Theme: "Assimilation: Immersing Society in the Geosciences", NIGS Seminar Room, UP Diliman.
- 2014 September 25 Amadore, L.A. (2014 September 25). Application of Science-Based Disaster Risk Reduction (DRR) and Climate Change Adaptation (CCA) to Storm Surge Yolanda, 3rd National Conference on Climate Change-Related Risks and Disasters, National Academy of Science and Technology (NAST-DOST, Philippines), Traders Hotel, Manila.
- 2014 May 13-14 Amadore, L.A. (2014 May 13-14). Storm Surge Yolanda @ Basey, W. Samar: Observations and Insights into REHAB w/DRR & CCA, Post-Yolanda Workshop for LGUs, NGOs and POs, Mapping Yolanda's impact on Philippine mangroves: impacts and recovery, University of the Philippines in the Visayas-Tacloban City.
- 2014 April 22 Amadore, L.A. (2014 April 22). Dissecting the Yolanda Disaster - DRR & CCA Analyses, CEC Forum, Rising to the challenges of climate change and the environment, Polytechnic University of the Philippines, Sta. Mesa, Manila.
- 2014 March 21-22 Amadore, L.A. (2014 March 21-22). Storm Surge Yolanda @ Basey, W. Samar: Observations and Insights into REHAB w/DRR & CCA, Post-Yolanda Workshop, Mapping Yolanda's impact on Philippine mangroves: impacts and recovery, IESM, UP Diliman, Quezon City.
- 2014 January 23 Amadore, L.A. (2014 January 23). Storm Surge: Typhoon Yolanda @ Basey, W. Samar, Philippine Working Group Meeting on Site Selection Assessment and Criteria, Ateneo de Manila University Campus.
- 2014 January 13 Amadore, L.A. (2014 January 13). Storm Surge: Typhoon Yolanda @ Basey, W. Samar, Forum on Typhoon Yolanda: Development, Intensification, Track, Damages and Communicating Advisories, College of Science Auditorium, UP Diliman.
- 2013 December Amadore, L.A. (2013 December). Storm Surge: Typhoon Yolanda @ Basey, W. Samar, Forum on Typhoon Yolanda, College of Engineering, UP Diliman.
- 2013 November 13 Amadore, L.A. (2013 November 13). Storm Surge: Typhoon Yolanda @ Basey, W. Samar, Philippine Daily Inquirer, Featured article on "Talk of the Town".
- 2013 September 20 Amadore, L.A. (2013 September 20). Development of a Quantitative Typhoon Risk/Damage Model and Its Applications, Paper Presentations and Forum on Policy-Relevant NRCP Researches, Traders Hotel, Roxas Blvd, Pasay City.
- 2012 December 7 Amadore, L.A. (2012 December 7). Case Studies on Hazard, Vulnerability (and Risk) Assessment (Mindanao-Visayas), NRCP ExeCom, NRCP, Bicutan, Taguig City.
- 2011 July 23 Amadore, L.A. (2011 July 23). Climate Change Adaptation: What Civil Engineering Can Offer, Civil Engineering (CE) Talk, Theme: CEnTIGRADE: Civil Engineering's

Techniques and Innovations Generated for the Resolution of Atmospheric Differences in the Environment, Sponsored by: The UP Aggregates Inc., College of Engineering of the University of the Philippines – Diliman, UP Film Institute.

- 2011 June Amadore, L.A. (2011 June). Vulnerability of Philippine buildings to typhoons, Wind Vulnerability Workshop, Townsville, Australia.
- 2011 January 13-14 Amadore, L.A. (2011 January 13-14). Typhoon Damage Modelling – a Tool for Climate Change Risk Assessment, National Conference on Gender and Climate Change, DSWD Auditorium, Quezon City.
- 2010 November 18-19 Amadore, L.A. (2010 November 18-19). Typhoon Damage/Risk Assessment – a Prerequisite to Adaptation, 6th National Meteorological-Hydrological Convention, Quezon City.
- 2010 March 12-13 Amadore, L.A. (2010 March 12-13). A Conceptual Typhoon Damage Model, Earthquake and Severe Wind Exposure and Vulnerability Workshop, Tagaytay City.
- 2009 October Amadore, L.A. (2009 October). Freshwater Resources of the Philippines and the Possible Effects of Climate Change, Final Report, Greenpeace SE-Phil, Quezon City.
- 2009 March 11 Amadore, L.A. (2009 March 11). The Scientific, Socio-Economic and Political Dimensions of Climate Change, 76th National Research Council of the Philippines General Membership Assembly, Polkabal-Fiesta Pavilion, Manila Hotel, Rizal Park, Manila.
- 2006 July Amadore, L.A. (2006 July). The Regional Impacts of Climate Change: The Philippine Setting, Seminar on Regional Climate Change and Energy, Bangkok, Thailand.
- 2005 Amadore, L.A. (2005). Economic and Social Impacts of Tropical Cyclones and the Warning System – the Philippine Situation, Final Report: Research contract with WMO, Geneva, Switzerland, March 2004-January 2005.
- 2005 November Amadore, L.A. (2005 November). Crisis or Opportunity? Climate Change Impacts and the Philippines, Final Report, Greenpeace Publication, Quezon City.

Publications

- 2005 Amadore, L.A., Crisis or Opportunity, Climate change impacts in the Philippines. Barangay Profile, Banacon, Getafe, Bohol, Philippines, 2005.
- 2002 Amadore, L.A., Applications of Climate Information in the Socio-Economic Sectors of the Philippines. WMO Bulletin, Geneva, Switzerland, 2002, 51(4).
- 1999 Feir, R.B., Amadore, L.A., & Perez, R.T., Climate change impacts and responses in the Philippines coastal sector. Climate Research, 1999, 12:97-107.
- 1996 Amadore, L.A., Climate Change Vulnerability and Adaptation in Asia and the Pacific Water and Air Pollution. Kluwer Academic Publishers, the Netherlands, 1996.
- 1990 Amadore, L.A., Natural hazards and disaster preparedness measures for coastal areas. Ang Tagamasid, 1990, 18(6):13-15.
- 1973 Amadore, L.A., Yanga, S.O., & Medina, D.C., Rain stimulation and numerical cloud modelling. Science review, 1973, 14(6):23-28.
- 1972 Amadore, L.A., An evaluation of the accuracy of some objective techniques for predicting tropical cyclone movement in the Western North Pacific. Philippine Weather Bureau, 1972:74.
- 1971 Subbaramayya, I., & Amadore, L.A., Preliminary report on the skill of some objective techniques for forecasting typhoon movement. WMO/UNDP Project, 1971.

Name Michael O. Baclig

Gender Male

Organizational Affiliations

Scientist, St. Luke's Medical Center, Research and Biotechnology, 279 E. Rodriguez Sr. Blvd. Quezon City, 1112 Philippines

Education

Doctor of Philosophy in Biological Science, University of Santo Tomas, España Boulevard, 1008 Manila 2010

Master of Science in Microbiology, University of Santo Tomas, España Boulevard, 1008 Manila 2002

Bachelor of Science in Medical Technology, Trinity University of Asia, 275 E Rodriguez Sr. Ave, Quezon City, 1100 Metro Manila, Philippines 1990

Fields of Specialization

Bioinformatics

Human and Pathogen Genomics

Microbiology

Employment

Assistant Professor, M.S. Molecular Medicine Program, St. Luke's College of Medicine-WHQM, 2007-present

Scientist, St. Luke's Medical Center, 2005-present

Assistant Professor, College of Medical Technology, Trinity University of Asia, 2002-2005

Section Manager, Institute of Pathology, Clinical Immunology and Serology, St. Luke's Medical Center, 2002-2005

Section Manager, Institute of Pathology, Microbiology, St. Luke's Medical Center, St. Luke's Medical Center, 1999-2002

Section Manager, Institute of Pathology, Clinical Immunology and Serology, St. Luke's Medical Center, 1993-1999

Medical Technologist, Institute of Pathology, Clinical Immunology and Serology, St. Luke's Medical Center, 1991-1993

Association Membership

Associate Member, National Research Council of the Philippines

Life Member, Philippine Society for Cell Biology

Life Member, Philippine Society for Microbiology, Inc.

Member, Philippine Association of Medical Technologists, Inc.

Member, Philippine Society for Biochemistry & Molecular Biology Wiley Science Advisor

Honors / Awards

Benavides Outstanding Achievement Award, University of Santo Tomas 2011

Finalist, Associate of the Year, St. Luke's Medical Center 2011

Winner, Biology and Allied Fields, Outstanding Dissertation Award in Advanced Science and Technology, Department of Science and Technology-Philippine Council for Industry, Energy and Emerging Technology Research and Development (DOST-PCIEERD) 2010

Crisanto G. Almario Memorial Award for Research, Philippine Association of Medical Technologists, Inc. 2010

Travel Fellowship, Young Scientist Program, International Union of Biochemistry and Molecular Biology, Shanghai, China 2009

Performance and Quality Awards, Work Improvement Suggestions for Efficiency Program, St. Luke's Medical Center 1998

Model Employee of the Year Award, St. Luke's Medical Center 1993

Best Medical Technology Intern, Institute of Pathology, St. Luke's Medical Center 1990

Trainings

Writing Manuscripts for Publications, St. Luke's Medical Center 2014

Bioinformatics Workshop for Health and Population Genomics, University of the Philippines 2013

Evidence-Based Medicine, New World Hotel 2012

Continuing Ethics Education, University of the Philippines Manila 2012

Patient Safety Officer Course, St. Luke's Medical Center 2012

Bioinformatics, University of the Philippines 2012

MiSeq Training, St. Luke's Medical Center 2012

Good Clinical Practice, St. Luke's Medical Center 2011

Roche GS Junior Sequencer and Software, St. Luke's Medical Center 2011

illumina User Group Meeting, Kota Kinabalu, Malaysia 2009

Gene Expression Analysis in Diagnostic Medicine, European Molecular Biology Organization 2006

Flow Cytometry, Institute of Tropical Medicine, Nagasaki University, Japan 2006

Research Proposal Preparation, St. Luke's Medical Center 2006

M. tuberculosis Genomic Detection, Science Park Tainan County, Taiwan, ROC 2006

Antimicrobial Resistance Surveillance, Unilab (Philippines) 2005

Microarray Data Analysis, Bangkok, Thailand 2005

Codelink Bioarray Technology, St. Luke's Medical Center 2005

HIV Proficiency Testing, Research Institute for Tropical Medicine 1995

Researches

Completed

Serum microRNA as a biomarker for hepatitis B infection and hepatocellular carcinoma

Association of patatin-like phospholipase 3 adiponutrin and interleukin 28B polymorphism with non-alcoholic fatty liver disease

COMT and CYP2D6*10 gene single nucleotide polymorphisms and opioid response among Filipino cancer patients

Correlation of GSTM1 and GSTT1 genotypes with hepatocellular carcinoma

Molecular epidemiological study of dengue infections in the Philippines and analysis of dengue virus-infected cells from patient's blood by flow cytometry

Ongoing

Full-length genomes of HCV-1 isolates in the Philippines (in collaboration with University of Kansas Medical Center, USA)

Antibiotic resistance among clinical isolates (in collaboration with Baylor College of Medicine, Texas, USA)

Papers Presented

- 2015 March 14-17 Baclig, M.O., & Gopez-Cervantes, J. (2015 March 14-17). Frequency of human interleukin 28B rs12979860 C>T and rs8099917 T>G variants in Filipino patients with non-alcoholic fatty liver disease, Human Genome (HUGO) Meeting. Kuala Lumpur, Malaysia.
- 2014 November 22 Baclig, M.O. (2014 November 22). Molecular diagnostics of infectious diseases, Philippine Society for Microbiology, Inc. (PSM). Trinity University of Asia.
- 2014 September 26 Baclig, M.O. (2014 September 26). Molecular diagnostics, Capitol Medical Center Colleges, Inc..
- 2014 September 18 Baclig, M.O. (2014 September 18). Host genetic factors and risk of non-alcoholic fatty liver disease, Metro Manila Health Research and Development Consortium (MMHRDC). University of the East.
- 2014 February 24-27 Baclig, M.O., Gopez-Cervantes, J., & Natividad, F.F.; St. Luke's Liver Diseases Study Group (2014 February 24-27). Detection of genetic variation in patatin-like phospholipase 3 gene using Taqman fluorogenic probe assay, 7th Asia Pacific Organization for Cell Biology (APOCB). Singapore.
- 2014 February 24-27 Salvoza, N.C., Gopez-Cervantes, J., Klinzing, D.C., Baclig, M.O., Mapua, C.A., Liles, V.R., Reyes, K.G., & Natividad, F.F.; St. Luke's Liver Diseases Study Group (2014 February 24-27). Altered serum miRNA expression in Filipino patients with chronic liver disease, 7th Asia Pacific Organization for Cell Biology (APOCB). Singapore.
- 2014 February 24-27 Reyes, K.G., Baclig, M.O., Natividad, F.F., & Gopez-Cervantes, J.; St. Luke's Liver Diseases Study Group (2014 February 24-27). Single nucleotide polymorphism in interleukin 28B gene: allelic discrimination using Taqman assay, 7th Asia Pacific Organization for Cell Biology (APOCB). Singapore.
- 2013 July 4 Baclig, M.O. (2013 July 4). Molecular biomarkers for acute kidney injury, 2nd Philippine Association of Medical Technologists, Inc. (PAMET). Trinity University of Asia.

- 2013 July 10-11 Baclig, M.O., Gopez-Cervantes, J., & Natividad, F.F. (2013 July 10-11). Allelic discrimination for single nucleotide polymorphism in interleukin 28B gene using 5' nuclease assay, 35th National Academy of Science and Technology (NAST) Annual Scientific Meeting.
- 2013 June 21 Baclig, M.O. (2013 June 21). Genome-wide association studies in nephrology: are we there yet?, 11th Post Graduate Course, St. Luke's Center for Renal Disease. Crown Plaza.
- 2013 May 2-5 Baclig, M.O., Predicala, R.Z., Mapua, C.A., Lozano-Kühne, J.P., Daroy, M.L.G., Natividad, F.F., & Javier, F.O. (2013 May 2-5). Genetic variations in catechol-O-methyltransferase and CYP2D6*10 among Filipinos, Association of South-East Asian Pain Societies (ASEAPS). Singapore.
- 2012 November 27-30 Baclig, M.O. (2012 November 27-30). Molecular biomarkers for chronic liver disease, 14th ASEAN Conference of Clinical Laboratory Sciences and 48th Annual Philippine Association of Medical Technologists, Inc. (PAMET) Convention. Manila Hotel.
- 2012 July 11-12 Buerano, C.C., Trinidad, A.D., Fajardo, L.S.N., Cua, I.Y., Baclig, M.O., & Natividad, F.F. (2012 July 11-12). Molecular identification of T4 and T5 genotypes of *Acanthamoeba* isolates in the Philippines, 34th National Academy of Science and Technology (NAST) Annual Scientific Meeting. Manila Hotel.
- 2012 June 13-16 Baclig, M.O., Alvarez, M.R., Liles, V.R., Polido, W.T., Cua, I.H., Bocobo, J.C., Gopez-Cervantes, J., & Natividad, F.F. (2012 June 13-16). Detection of lamivudine and adefovir resistance mutations among Filipino patients with chronic hepatitis B using line probe assay, 15th International Congress on Infectious Diseases (ICID). Bangkok, Thailand.
- 2011 December 8-9 Baclig, M.O., Mapua, C.A., Cua, I.H., Bocobo, J.C., Gopez-Cervantes, J., & Natividad, F.F. (2011 December 8-9). C316Y non-nucleoside resistance mutation among Filipino patients with chronic hepatitis C virus infection, St. Luke's 3rd Liver and 1st Gastroenterology International Symposium, St Luke's Medical Center-Global City, Philippines.
- 2011 July 13-14 Baclig, M.O., Predicala, R.Z., Mapua, C.A., Daroy, M.L.G., Tiamson, M.E.B., Palabrica, M.L.D., Atillo, R.P., Torres, R.A.R., Tobias, S.S., Javier, F.O., & Natividad, F.F. (2011 July 13-14). Genetic Polymorphism of CYP2D6*10 Gene among Filipinos, 33rd National Academy of Science and Technology (NAST) Annual Scientific Meeting. Manila Hotel.
- 2011 February 25-28 Buerano, C.C., Trinidad, A.D., Fajardo, L.S.N., Cua, I.Y., & Baclig, M.O. (2011 February 25-28). *Acanthamoeba* isolate from a non-contact lens wearer, 6th Asia Pacific Organization for Cell Biology (APOCB) Congress, EDSA Shangri-La, Philippines.
- 2011 February 25-28 Baclig, M.O., Salda-Gervacio, L.T., Suarez, L.A.C., Mapua, C.A., Buerano, C.C., Matias, R.R., Kumatori, A., Inoue, S., Morita, K., Natividad, F.F., & Hasebe, F. (2011 February 25-28). Flow cytometry for detection of dengue virus-infected cells, 6th Asia Pacific Organization for Cell Biology (APOCB) Congress, EDSA Shangri-La, Philippines.
- 2011 February 25-28 Baclig, M.O., & Gopez-Cervantes, J. (2011 February 25-28). Molecular epidemiology of C316Y and S282T non-nucleoside resistance mutations among Filipinos with chronic hepatitis C virus infection, 6th Asia Pacific Organization for Cell Biology (APOCB) Congress, EDSA Shangri-La, Philippines.

- 2010 December 2-3 Baclig, M.O., Predicala, R.Z., Lozada, X.M.R., Mapua, C.A., Daroy, M.L.G., Tiamson, M.E.B., Palabrica, M.L.D., Atillo, R.P., Torres, R.A.R., Tobias, S.S., Javier, F.O., & Natividad, F.F. (2010 December 2-3). Bioinformatics tools in studying catechol-O-methyltransferase gene, 37th Philippine Society for Biochemistry and Molecular Biology (PSBMB) Annual Convention. Century Park.
- 2010 December 1-3 Baclig, M.O. (2010 December 1-3). Sequence and phylogenetic analysis of the 5'UTR, NS5A, and NS5B genes of HCV-1 isolates, 46th Annual Philippine Association of Medical Technologists, Inc. (PAMET) Convention. Manila Hotel.
- 2010 May 18-21 Baclig, M.O., Predicala, R., Mapua, C., Daroy, M.L., Tiamson, M.E., Palabrica, M.L., Atillo, R., Torres, R.A., Tobias, S., & Javier, F. (2010 May 18-21). Molecular detection and genotyping of CYP2D6*10 among Filipinos, 14th Human Genome (HUGO) Meeting 2010. Montpellier, France.
- 2010 March 10 Baclig, M.O., Predicala, R.Z., Lozada, X.M.R., Mapua, C.A., Daroy, M.L.G., Tiamson, M.E.B., Palabrica, M.L.D., Atillo, R.P., Torres, R.A.R., Tobias, S.S., Javier, F.O., & Natividad, F.F. (2010 March 10). Why patients may be good or poor responders to opioids: a Philippine study on polymorphisms in the catechol-O-methyltransferase gene, 77th General Membership Assembly of the National Research Council of the Philippines (NRCP). Manila Hotel.
- 2009 December 2-5 Baclig, M.O. (2009 December 2-5). Correlation of the 5'untranslated region and non-structural 5B nucleotide sequences in hepatitis C virus subtyping, 36th Philippine Society for Biochemistry and Molecular Biology (PSBMB) Annual Convention. Central Mindanao University, Bukidnon.
- 2009 October 23-24 Baclig, M.O., Chan, V.F., Ramos, J.D.A., Gopez-Cervantes, J., & Natividad, F.F. (2009 October 23-24). Concordance of hepatitis C virus subtyping by NS5A and NS5B sequencing, 2nd Annual Convention of the Philippine Society for Cell Biology (PSCB). Angelo King Auditorium, St. Luke's College of Medicine.
- 2009 August 30-September 3 Baclig, M.O., Hasebe, F., Salda-Gervacio, L.T., Suarez, L.A.C., Buerano, C.C., Matias, R.R., Kumatori, A., Inoue, S., Morita, K., & Natividad, F.F. (2009 August 30-September 3). Identification of dengue virus-infected cells in peripheral blood mononuclear cells using flow cytometry, Novartis International Tropical Diseases (NITD) conference on dengue. EDSA Shangri-La, Philippines.
- 2009 July 30-August 7 Baclig, M.O., Gopez-Cervantes, J., & Natividad, F.F. (2009 July 30-August 7). Identification of subtypes of hepatitis C virus genotype 1 by restriction fragment length polymorphism and sequence analysis of the 5'untranslated region, Young Scientist Program (YSP), 21st International Union of Biochemistry and Molecular Biology (IUBMB) and 12th Federation of Asian and Oceanian Biochemists and Molecular Biologists (FAOBMB). Shanghai, China.
- 2009 January 19-20 Bocobo, J.C., Baclig, M.O., Matias, R.R., Gopez-Cervantes, J., & Natividad, F.F. (2009 January 19-20). Rapid response to treatment of a patient infected with HCV-1b with mutation in the interferon sensitivity determining region, 2nd St. Luke's International Liver Conference. EDSA Shangri-La, Philippines.
- 2008 October 13-14 Baclig, M.O. (2008 October 13-14). Genomic identification of hepatitis C virus subtypes by sequence analysis of the non-structural 5A region, 14th Joint International Tropical Medicine Meeting (JITMM). Bangkok, Thailand.
- 2008 July 10-11 Baclig, M.O., Rivera, M.M., Predicala, R.Z., Dimamay, M.P.S., Matias, R.R., Natividad, F.F., & Gopez-Cervantes, J. (2008 July 10-11). Characterization of hepatitis C virus genotype 1 isolates using PCR-RFLP and sequence analysis, 30th

- National Academy of Science and Technology (NAST) Annual Scientific Meeting. Manila Hotel.
- 2008 May 7-9 Baclig, M.O. (2008 May 7-9). Subtyping of hepatitis C virus using the non-structural protein 5A region, 37th Annual Philippine Society for Microbiology, Inc. (PSM) Convention. Boracay, Philippines.
- 2008 April 2-5 Matias, R.R., Pascua, P.N., Lozada, X.M.R., Luz, M.A.D., Baclig, M.O., Cabral, L.K.D., Mapua, C.A., Enriquez, M.L.D., Natividad, F.F., Narciso, F.V., Bondoc, E.M., & Cortez, E.R. (2008 April 2-5). Association of GSTT1 and GSTM1 polymorphisms with colorectal cancer, 7th Human Genome Organization (HUGO) Pacific Meeting. Cebu, Philippines.
- 2008 April 2-5 Dimamay, M.P.S., Gopez-Cervantes, J., Rivera, M.M., Baclig, M.O., & Natividad, F.F. (2008 April 2-5). Hepatocellular carcinoma in Filipino patients: a gene expression profiling study, 7th Human Genome Organization (HUGO) Pacific Meeting. Cebu, Philippines.
- 2007 November 29-30 Baclig, M.O. (2007 November 29-30). Molecular diagnosis of acute retinal necrosis secondary to cytomegalovirus in vitreous fluid, 13th Joint International Tropical Medicine Meeting (JITMM). Bangkok, Thailand.
- 2007 July 11-12 Baclig, M.O., Salda-Gervacio, L.T., Buerano, C.C., Lo, R.W., Kumatori, A., Inoue, S., Hasebe, F., Morita, K., Matias, R.R., & Natividad, F.F. (2007 July 11-12). Monocytes and B cells are the principal target cells of dengue virus, 29th National Academy of Science and Technology (NAST) Annual Scientific Meeting. Manila Hotel.
- 2007 January 15-16 Dimamay, M.P.S., Gopez-Cervantes, J., Rivera, M.M., Baclig, M.O., & Natividad, F.F. (2007 January 15-16). Hepatocellular carcinoma in Filipino patients: a gene expression profiling study, 1st St. Luke's International Liver Conference. EDSA-Shangri-La, Philippines.
- 2007 January 15-16 Matias, R.R., Baclig, M.O., Lozada, X.M.R., Mapua, C.A., Gopez-Cervantes, J., & Natividad, F.F. (2007 January 15-16). Correlation of GSTM1 and GSTT1 genotypes with liver diseases, 1st St. Luke's International Liver Conference. EDSA-Shangri-La, Philippines.
- 2006 December 2 Baclig, M.O. (2006 December 2). Development of molecular diagnostics at the Research and Biotechnology Division, St. Luke's Medical Center, 42nd Annual Philippine Association of Medical Technologists, Inc. (PAMET) Convention. Manila Hotel.
- 2005 October 27-29 Baclig, M.O., Salda-Gervacio, L.T., Rivera, M.M., Predicala, R.Z., Reyes, J.R., Dimamay, M.P.S., Daroy, M.L.G., Matias, R.R., Gopez-Cervantes, J., & Natividad, F.F. (2005 October 27-29). Phylogenetic analysis of hepatitis C genotypes in the Philippines, 8th Asia-Pacific International Molecular Biology Network (A-IMBN). Ho Chi Minh City, Vietnam.
- 2002 May 9-11 Baclig, M.O. (2002 May 9-11). Seroprevalence of cytomegalovirus infection among blood donors, 31st Annual Philippine Society for Microbiology, Inc. (PSM) Convention. Tagaytay.

Publications

- 2015 Baclig, M.O., Reyes, K.G., Mapua, C.A., Gopez-Cervantes, J., & Natividad, F.F.; St. Luke's Liver Diseases Study Group, Frequency of interleukin 28B rs12979860 C>T variants in Filipino patients chronically infected with hepatitis B virus. *Molecular Biology Reports*, 2015, 42(2):673-679.

- 2014 Buerano, C.C., Trinidad, A.D., Fajardo, L.S., Cua, I.Y., Baclig, M.O., & Natividad, F.F., Isolation of *Acanthamoeba* genotype T4 from a non-contact lens wearer from the Philippines. *Tropical Medicine and Health*, 2014, 42(4):145-147.
- Baclig, M.O., Lozano-Kühne, J.P., Mapua, C.A., Gopez-Cervantes, J., & Natividad, F.F.; St. Luke's Liver Diseases Study Group, Genetic variation I148M in patatin-like phospholipase 3 gene and risk of non-alcoholic fatty liver disease among Filipinos. *International Journal of Clinical and Experimental Medicine*, 2014, 7(8):2129-2136.
- Baclig, M.O., Alvarez, M.R., Gopez-Cervantes, J., & Natividad, F.F., Unique surface gene variants of hepatitis B virus isolated from patients in the Philippines. *Journal of Medical Virology*, 2014, 86(2):209-216.
- Baclig, M.O., Genome-wide association studies in nephrology: are we there yet?. *St. Luke's Healthcare Journal*, 2014, 9(1):73-78.
- 2012 Baclig, M.O., Alvarez, M.R., Lozada, X.M.R., Mapua, C.A., Lozano-Kühne, J.P., Dimamay, M.P.S., Natividad, F.F., Gopez-Cervantes, J., & Matias, R.R., Association of glutathione S-transferase T1 and M1 genotypes with chronic liver diseases among Filipinos. *International Journal of Molecular Epidemiology and Genetics*, 2012, 3(2):153-159.
- Baclig, M.O., Predicala, R.Z., Mapua, C.A., Lozano-Kühne, J.P., Daroy, M.L.G., Natividad, F.F., & Javier, F.O., Allelic and genotype frequencies of catechol-O-methyltransferase (Val158Met) and CYP2D6*10 (Pro34Ser) single nucleotide polymorphisms in the Philippines. *International Journal of Molecular Epidemiology and Genetics*, 2012, 3(2):115-121.
- Baclig, M.O., Letters to the Editor. NextGen VOICES "What one big idea in your field do you wish that every non-scientist understood? Why?". *Science*, 2012, 338:6103.
- Baclig, M.O., Letters to the Editor. NextGen VOICES "What is your definition of a successful scientist? How has this definition changed between your mentor's generation and your own?". *Science*, 2012, 336:6077.
- Baclig, M.O., Alvarez, M.R., Liles, V.R., Polido, W.T., Cua, I.H., Bocobo, J.C., Gopez-Cervantes, J., & Natividad, F.F., Detection of lamivudine and adefovir resistance mutations among Filipino patients with chronic hepatitis B using line probe assay. *International Journal of Infectious Diseases*, 2012, 16:Supplement 1 Page e70.
- Baclig, M.O., Gopez-Cervantes, J., & Natividad, F.F., Bioinformatics tools for identifying hepatitis C virus subtypes. *Philippine Journal of Science*, 2012, 141(1):25-34.
- 2011 Baclig, M.O., Predicala, R., Mapua, C., Daroy, M.L., Tiamson, M.E., Palabrica, M.L., Atillo, R., Torres, R.A., Tobias, S., & Javier, F., Molecular detection and genotyping of CYP2D6*10 among Filipinos. *HUGO Journal*, 2011, 5:Supplement 1 Page 188.
- 2010 Baclig, M.O., Salda-Gervacio, L.T., Suarez, L.A.C., Buerano, C.C., Matias, R.R., Kumatori, A., Inoue, S., Morita, K., Natividad, F.F., & Hasebe, F., Flow cytometric analysis of dengue virus-infected cells in peripheral blood. *Southeast Asian Journal of Tropical Medicine and Public Health*, 2010, 41(6):1352-1358.
- Baclig, M.O., Chan, V.F., Ramos, J.D.A., Gopez-Cervantes, J., & Natividad, F.F., Correlation of the 5' untranslated region and non-structural 5B nucleotide sequences in hepatitis C virus subtyping. *International Journal of Molecular Epidemiology and Genetics*, 2010, 1(3):236-244.
- Baclig, M.O., Chan, V.F., Ramos, J.D.A., Gopez-Cervantes, J., & Natividad, F.F., Concordance of hepatitis C virus subtyping by non-structural 5A and non-structural 5B sequencing. *Acta Medica Philippina*, 2010, 44(1):16-19.
- 2008 Baclig, M.O., Daroy, M.L.G., & Abano, J.M.A., Molecular diagnosis of acute retinal necrosis secondary to cytomegalovirus in vitreous aspirate. *Southeast Asian Journal of Tropical Medicine and Public Health*, 2008, 39:1057-1060.
- 2006 Maramag, F., Rivera, M.M., Predicala, R.Z., Baclig, M.O., Matias, R.R., & Gopez-

Cervantes, J., Hepatitis C genotypes among Filipinos. *Philippine Journal of Gastroenterology*, 2006, 2:30-32.

2004

Baclig, M.O., Lo, R.W., Lagamayo, E.N., & Narciso, F.V., The seroprevalence of cytomegalovirus infection among blood donors in two hospitals in Metro Manila. *St. Luke's Journal of Medicine*, 2004, 2:11-15.

Name Mary Donnabelle Lirio Balela

Gender Female

Organizational Affiliations

Associate Professor, University of the Philippines, Dept. of Mining, Metallurgical and Materials Engineering, UP Diliman, Quezon City, 1101

Education

Doctor of Philosophy in Materials Science and Engineering, Kyoto University, Yoshida-Honmachi, Kyoto, Japan 2011

Master of Science in Materials Engineering, Universiti Sains Malaysia, Nibong Tebal, Penang, Malaysia 2008

Bachelor of Science in Metallurgical Engineering, University of the Philippines, Diliman, Quezon City 1101 2004

Fields of Specialization

Electrochemistry

Nanotechnology

Materials Science and Engineering

Solid State Physics

Condensed Matter Physics

Electromagnetism

Association Membership

Member, National Research Council of the Philippines

Member, Materials Research Society Singapore

Member, Society of Metallurgical Engineers of the Philippines

Member, Institute of Materials Engineers of the Philippines

Member, Philippine Association of Microscopist, Inc. (Microsphil)

Member, American Research Society

Member, The Electrochemical Society (ECS)

Honors / Awards

Paper Excellence Award, 2014 International Conference on Key Engineering Materials 2014 March 22-23

International Publication Award, for "Growth of Cobalt Nanowires under External Magnetic Field", Advanced Material Research 2014

Excellent Oral Presentation Award, for "Formation of Cobalt Nanoparticles from $\text{Co}(\text{OH})_2$ Suspension", 2014 International Conference on Materials and Manufacturing Technology 2014

International Publication Award, for "Formation of Cobalt Nanoparticles from $\text{Co}(\text{OH})_2$

Suspension", Advanced Material Research 2014

International Publication Award, for "Electroless Deposition of Nickel Nanoparticles at Room Temperature", Advanced Material Research 2014

Professorial Chair Award, College of Engineering, University of the Philippines 2013

Oral Presentation Award, Joint Symposium on Materials Science and Engineering for the 21st Century, Korean Advanced Institute of Science and Technology 2010 June 27-29

International Publication Award, for "Electroless Deposition of Ferromagnetic Cobalt Nanoparticles in Propylene Glycol", Journal of the Electrochemical Society 2009

1st Place, Young Persons' World Lecture Competition 2007, Organized by the School Institute of Materials, Minerals and Mining (East Asia). Vistana Hotel, Penang Malaysia 2007 June 27

1st Place, Young Person Lecture Competition Malaysia 2007, Organized by the School of Materials and Mineral Resources Engineering and the Institute of Materials, Minerals and Mining. Nanyang Executive Center, Singapore 2007 August 7

Ph.D. Scholarship, Mombusho Ph.D. Scholarship

Masters Scholarship, AUNSEED-Net Masters Scholarship in ASEAN

Researches

Completed

Synthesis of Metallic Copper Nanoparticle Ink in Water

Ongoing

Synthesis of Metal Nanowires and their Application in Transparent Conducting Electrode

Effect of Nickel Addition on the Morphology of Cobalt Nanowires Prepared in Ethylene Glycol

Papers Presented

- 2014 November 26-28 Balela, M.D.L., & Amores, K.L. (2014 November 26-28). Formation of Oxidation-Stable Copper Nanoparticles in Water, NanoThailand 2014, Bangkok, Thailand.
- 2014 July 31 Balela, M.D.L., & Pelicano, C. (2014 July 31). Growth of ZnO Nanostructures from Zinc Foil, 1st IMEP Conference, Eastwood Richmond Hotel, Philippines.
- 2014 May 9 Balela, M.D.L., Yagi, S., & Matsubara, E. (2014 May 9). Formation of Cobalt Nanoparticles from $\text{Co}(\text{OH})_2$ Suspension, 2014 International Conference on Materials and Manufacturing Technology, Kuala Lumpur, Malaysia.
- 2014 March 22-23 Balela, M.D.L., Yagi, S., & Matsubara, E. (2014 March 22-23). Growth of Cobalt Nanowires under External Magnetic Field, 2014 International Conference on Key Engineering Materials, Bali, Indonesia.
- 2013 December 2-3 Balela, M.D.L., Yagi, S., & Matsubara, E. (2013 December 2-3). Investigation of Platinum-Catalyzed Growth of Cobalt Nanoparticles by Mixed Potential, 6th Regional Conference on Chemical Engineering, Manila, Philippines.
- 2013 November 1 Balela, M.D.L., Yagi, S., & Matsubara, E. (2013 November 1). Study of the Electroless Deposition of Cobalt Nanoparticles by Mixed Potential, 13th International Conference on Material Technology, Ho Chi Minh University of Technology, Vietnam.

- 2013 October 17-18 Balela, M.D.L., Yagi, S., & Matsubara, E. (2013 October 17-18). Formation of Cobalt Nanowires in Non-Aqueous Solution Under External Magnetic Field, 2013 Metallurgical Engineering Conference, Davao City, Philippines.
- 2013 January 22-23 Balela, M.D.L., Yagi, S., & Matsubara, E. (2013 January 22-23). Electrochemical Study of the Formation of Cobalt Nanoparticles in Aqueous Solution, The 5th AUNSEED-Net Regional Conference on Materials and Regional Conference on Mineral and Natural Resources, Penang Malaysia.
- 2010 September 11-13 Balela, M.D.L., Yagi, S., & Matsubara, E. (2010 September 11-13). Electroless Deposition of Cobalt Nanowires Under External Magnetic Fields, Annual Meeting of the Minerals, Metals, and Materials Society of Japan, Kyushu University, Fukuoka, Japan.
- 2010 June 27-29 Balela, M.D.L., Yagi, S., & Matsubara, E. (2010 June 27-29). Room-Temperature Synthesis of Co Nanoparticles by Electroless Deposition in Aqueous Solution, Joint Symposium on Materials Science and Engineering for the 21st Century, Korean Advanced, Institute of Science and Technology, South Korea.
- 2010 April Balela, M.D.L., Yagi, S., & Matsubara, E. (2010 April). Room-Temperature Synthesis of Co Nanoparticles in Aqueous Solution, 217th The Electrochemical Society Meeting, Hyatt Regency Hotel, Vancouver, Canada.
- 2009 July 13-15 Balela, M.D.L., Yagi, S., & Matsubara, E. (2009 July 13-15). Liquid-Phase Synthesis of Metallic Cobalt Nanoparticles by Electroless Deposition in Propylene Glycol, 29th The Philippine-American Academy of Science and Engineering (PAASE) Annual Meeting and Symposium, Ateneo de Manila University, Philippines.

Publications

- 2015 Balela, M.D.L., & Amores, K.L.S., Formation of Highly Antimicrobial Copper Nanoparticles by Electroless Deposition in Water. *Science Diliman*, 2015, 27(2):10-20.
- 2014 Tan, M., De Jesus, L., Amores, K.L., Datu, E., & Balela, M.D.L., Electroless Deposition of Copper Nanostructures in Aqueous Solution. *Advanced Material Research*, 2014, 1043:114-118.
 De Guzman, N., Mechilina, A., & Balela, M.D.L., Electroless Deposition of Silver Nanoparticles and Nanowires in Ethylene Glycol. *Advanced Material Research*, 2014, 1043:109-113.
 Pelicano, C.M., Lockman, Z., & Balela, M.D.L., Zinc Oxide Nanostructures Formed by Wet Oxidation of Zinc Foil. *Advanced Material Research*, 2014, 1043:22-26.
 Balela, M.D.L., Yagi, S., & Matsubara, E., Formation of Cobalt Nanoparticles from $\text{Co}(\text{OH})_2$ Suspension. *Advanced Material Research*, 2014, 974:50-54.
 Balela, M.D.L., Yagi, S., & Matsubara, E., Electroless Deposition of Nickel Nanoparticles at Room Temperature. *Advanced Material Research*, 2014, 974:107-111.
 Balela, M.D.L., Yagi, S., & Matsubara, E., Growth of Cobalt Nanowires under External Magnetic Field. *Advanced Material Research*, 2014, 911:136-140.
- 2011 Balela, M.D.L., Yagi, S., & Matsubara, E., Fabrication of Cobalt Nanowires by Electroless Deposition under External Magnetic Field. *Journal of the Electrochemical Society*, 2011, 158:D210-216.
 Balela, M.D.L., Yagi, S., & Matsubara, E., Electroless Deposition of Cobalt Nanowires in an Aqueous Solution under External Magnetic Field. *Electrochemical Solid-State Letters*, 2011, 14:D68-D71.
- 2010 Balela, M.D.L., Yagi, S., & Matsubara, E., Room-Temperature Synthesis of Cobalt

- Nanoparticles in Aqueous Solution. ECS Transactions, 2010, 28:29-34.
- Balela, M.D.L., Yagi, S., & Matsubara, E., Room-Temperature Synthesis of Cobalt Nanoparticles by Electroless Deposition in Aqueous Solution. Electrochemical Solid-State Letters, 2010, 13:D4-D6.
- Balela, M.D.L., Yagi, S., Lockman, Z., Azizan, A., Amorsolo Jr., A.V., & Matsubara, E., Protective-Agent-Free Synthesis of Cobalt Nanoparticles. AIP Conference Proceedings, 2010, 1217:113-117.
- 2009 Balela, M.D.L., Yagi, S., Lockman, Z., Azizan, A., Amorsolo Jr., A.V., & Matsubara, E., Electroless Deposition of Ferromagnetic Cobalt Nanoparticles in Propylene Glycol. Journal of the Electrochemical Society, 2009, 156:E139-142.
- Balela, M.D.L., Lockman, Z., Azizan, A., Matsubara, E., & Amorsolo Jr., A.V., Fabrication of Size-Tunable Nanocrystalline Cobalt Particles in Propylene Glycol. Journal of Nuclear and Related Technologies, 2009, 6:190-198.
- 2008 Balela, M.D.L., Azizan, A., Matsubara, E., Amorsolo Jr., A.V., & Lockman, Z., Protective-Agent Free Synthesis of Colloidal Co Nanoparticles. Journal of Physical Science, 2008, 19:1-11.
- 2007 Balela, M.D.L., Vannaladsaysy, V., & Hussain, Z., A Review on Ceramic Composites as Cutting and Machining Tool Materials. Journal of Engineering Research and Education, 2007, 4:74-80.

Name Glenn S. Banaguas

Gender Male

Organizational Affiliations

Professor, University Research Center, De La Salle - Araneta University, Salvador Araneta Campus, Victoneta Avenue, Malabon City, Metro Manila 1476

Education

Magistratum in Administratione Environmentalis, Ateneo De Manila University (ADMU), Loyola Heights, Quezon City 2010

Master of Science in Chemical Engineering, De La Salle University Manila, Taft Avenue, Manila 2003

Bachelor of Science in Chemical Engineering, Mapua Institute of Technology - Manila (MIT), Muralla St. Intramuros, Manila 1996

Fields of Specialization

Risk and Impact using modeling / simulation

Climate Change Adaptation and Disaster Risk Reduction and Management GHG Accounting and Modeling

Spatial Modeling

Alkali Catalyzed Transesterification using Conventional Methodology

Participatory Action Research Focusing on the indigenous people

Strategic Environmental Assessment

Chemical Engineering

Environmental Management / Administration

Association Membership

Member, National Research Council of the Philippines

Vice-President, Society of Open Innovation, Technology, Market and Complexity, Daegu, Republic of Korea

Chair/Member, Technical Panel for Climate Change and Disaster Risk Management, DOST-Philippine Council for Industry, Energy, and Emerging Technology Research and Development (PCIEERD)

Vice-Chair, Earth and Space Sciences Division (Division XII), National Research Council of the Philippines

Project Leader, Oscar M. Lopez Center for Climate Change Adaptation and Disaster Risk Management Foundation, Inc. (OML Center)

Member, Department of Agriculture - Bureau of Agricultural Research (DA-BAR)

Member, Agricultural Science Division, Outstanding Young Scientists, Inc. (OYSI), Philippine Academy of Young Scientists

Core Group Member, Technical Working Group (TWG) for Climate Change and

Disaster Risk Commission on Higher Education (CHED)

Technical Review Panel (TRP), Oscar M. Lopez Center for Climate Change Adaptation and Disaster Risk Management, Inc.(OML Center)

Project Reviewer, Cluster II, National Research Council of the Philippines (NRCP)

PACU-COCOPEA Official Representative, Commission on Higher Education (CHED)

Contributor/Reviewer, Assessment Report, Intergovernmental Panel on Climate Change (IPCC)

Head/Senior Research Scientist, Environmental and Climate Change Research Institute (ECCRI), University Research Center, De La Salle Araneta University

Executive Editor, Science Policy Brief, University Research Center, De La Salle Araneta University

Associate Editor, Journal of Open Innovation, Technology, Market and Complexity, Daegu University

Member, Task Force Climate Change, National Academy of Science and Technology (NAST)

Project Carbon Neutral (PCN) Champion, Lasallian Institute for Environment (LIFE)

Reviewer, DLSU Business and Economics Review

Reviewer, International Food Research Journal

Reviewer, Journal of Agricultural Science and Technology

Reviewer, Journal of Agricultural Biotechnology and Sustainable Development

Reviewer, Philippine Climate Change Assessment Working Group (1 and 2)

Member, Ateneo Alumni Association (AAA)

Member, National Association of Mapua Alumni (NAMA)

Member, Che-Chm Alumni Association (CCAA)

Member, MIT Alumni of Student Catholic Action (MITASCA)

Honors / Awards

EU-Asia Expert Conference Grant, Brussels, Belgium (The only Philippine Representative in climate diplomacy and environmental security), All expenses were shouldered by the European Union (EU) and Konrad-Adenauer Stiftung (KAS) 2015

Outstanding Young Scientist (OYS) in the field of Environmental Management; Trophy, Cash, and Research Grant), (36th Annual Scientific Meeting) National Academy of Science and Technology July 2014

ASEAN Champions for Biodiversity (Youth Category); Rank #1 in the Philippines, Rank#2 in the ASEAN, ASEAN Centre for Biodiversity 2014

Outstanding Agro-Fishery Research (AFMA R&D): Gold Award; [Research Grant and cash] for "Impact and Risk Assessment of Climate Change on Food and Environmental Security in Polilio Islands, Quezon Province", Bureau of Agricultural Research (BAR), Department of Agriculture (DA) 2014

Research Grant for "Strategic Risk Analysis of Global Climate Change on Food Security in Gubat, Sorsogon", National Research Council of the Philippines 2014

Graduate Scholarship Grant; (Ph.D. by Research in Environmental Science, UP Los Baños), Accelerated Science & Technology Human Resource Development Program (ASTHRDP); DOST-Science Education Institute (DOST-SEI) 2014

Research Project Grant for: "Creating Climate-Disaster Resiliency on the Indigenous People, Tagbanuas, in Coron, Palawan", "Climate Risk Analysis on Mangroves in Coron, Palawan", "Impact Assessment of Climate Change on Coral Re, University Research Center (URC), De La Salle Araneta University 2013

Outstanding Research Project and Research Grant for "Risk Analysis of Climate Change on Food Security in Batangas", Angelo King Institute (AKI), De La Salle University (DLSU) 2013

OML Center Research Grantee for "Impact and Risk Analyses of Long-Term Climate Variability on Food and Environmental Security in Tarlac Province", Oscar M. Lopez Center for Climate Change Adaptation and Disaster Risk Management 2013

Best Scientific Poster (First Prize), National Climate Conference, for "Creating Climate-Disaster Resiliency on the Indigenous People, Tagbanuas in Coron, Palawan", National Academy of Science and Technology (NAST) 2013

Outstanding Scientific Paper (First Prize); cash prize and certificate, for "The Impacts of Global Climate Change to the Indigenous People: The DUMAGATS", Philippine Association of Tertiary Level Educational Institutions in Environmental Protection and Management (PATLEPAM), Environmental Management Bureau (EMB), Department of Environment and Natural Resources (DENR) 2012

Outstanding Research Project for "Climate Risk Analysis on the Food Security in Sagunday, Quirino", Angelo King Institute (AKI), De La Salle University (DLSU) 2012

Outstanding Agro-Fishery Research (AFMA R&D), cash and certificate, for "The Raping of Tropical Cyclones using TRIP modeling", Bureau of Agricultural Research (BAR), Department of Agriculture (DA) 2012

Outstanding Scientific Paper (First Prize), cash and certificate, for "The Risk Analysis of Long-Term Climate Variability in the Production of Maize", BIOME 2011 International Conference held at Catanduanes State College 2011

Special Citation Award (AFMA R&D Paper Award), cash and trophy, for "The Impacts of Livestock Carbon Footprint Mitigation and Adaptation in Salikneta, San Jose Del Monte, Bulacan", Bureau of Agricultural Research (BAR), Department of Agriculture (DA) 2011

Outstanding Agro-Fishery Research (AFMA R&D): Silver Award; research grant and cash, for "Climate Change Risk Analysis on the Coastal Communities of Cabusao, Camarines Sur", Bureau of Agricultural Research (BAR), Department of Agriculture (DA) 2011

One of the Top 100 Researches in the World, for "Strategic Risk Analysis of Tropical Cyclones using Markov Chain Monte Carlo Modeling", World Scientific and Engineering Academy and Society (WSEAS) 2010

Ateneo's Outstanding Researcher Award and Department Research Awardee, cash and plaque, for "Risk Analysis of Tropical Cyclones using Monte Carlo and DPSIR Models", School of Science and Engineering (SOSE), Ateneo De Manila University (ADMU) 2010

International Conference Grant - Milen Conference, for "Visions and Strategies to Address Sustainable Energy and Climate Change", University of Oslo, Norway 2010

Researches

Completed

Risk Assessment of Long-Term Climate Variability on the Production of Maize in Porac, Pampanga

Strategic Risk Analysis of Long-Term Climate Variability on Coastal Areas of Siruma, Camarines Sur

Climate Risk Analysis in Casiguran, Aurora

Building Resiliency on the Municipality of Saguday using Family-Based Disaster Risk Management (FBDRM)

Tracking Greenhouse Gas (GHG) of the Agricultural Sector in the Province of Quirino

The Impacts of Agricultural Carbon Footprint in Salikneta, San Jose Del Monte, Bulacan

Track-Risk-Impact-Policy (TRIP) Modeling of Tropical Cyclones in the Philippine Agriculture

Impact and Risk Analysis of Long-Term Climate Variability on Food and Environmental Security in Tarlac Province

Climate Risk Analysis in Quezon Province (Real-Infanta-General Nakar)

CCA-DRRM: The Long-Term Key to MDG

Modeling Tropical Cyclones using STRIP Framework

Climate Disaster-Resiliency on the Indigenous People using the Rights-Based Track-Risk-Impact-Policy (TRIP) Model

Impact and Risk Analysis of Climate Change in Eastern Samar

Strategic Risk Analysis of Climate Variability Gubat, Sorsogon

Creating Climate Disaster Resiliency on the Indigenous People, Tagbanuas, in Coron, Palawan

Climate Risk Analysis on Mangroves in Coron, Palawan

Impact Assessment of Climate Change on Coral Reefs in Busuanga, Palawan

Poverty: Impact of Climate Change in the Coastal Areas of Navotas City

Impact and Risk Analysis of Climate Variability on Rice Production in Cabanatuan, Nueva Ecija

Creating Climate-Disaster Resiliency on the Poultry Sector in the Province of Bulacan

Community-Based Disaster Risk Management (CBDRM): An Elucidation to the Climate Variability on Coastal Communities

Impacts and Risks of Climate Change on the Indigenous People-Dumagats

University-Based Disaster Risk Management for De La Salle Araneta University

Role of Livestock in the Reduction of Carbon Footprint

Low Carbon Diet Solid Waste Stratagem

Development of Modified Alkali Catalyzed Transesterification Reactor

Promoting Sustainable Low Carbon Transport Academic Community

Low Carbon Building: A Greener Future

Impact Assessment of Super Typhoon Megi on the Philippine Agricultural Sector

Hydrometeorological Risk Analysis in the City of Malabon

Strategic Risk Analysis of Long-Term Climate Variability on Polilio and Jomalig Islands in Quezon, Province

Disaster Risk Management of Historical and Cultural Heritage: Corregidor Islands

Publications

2014

Banaguas, G., Building Climate Disaster-Resiliency on the Indigenous People using the Rights-Based Track-Risk-Impact-Policy (TRIP) Model. Effective Participation of Vulnerable Groups: Challenges and Opportunities, 3rd UNITAR-Yale Conference on Environmental Governance and Democracy. Yale University, 2014.

Banaguas, G., Glico, J.M., Fuentebella, V.A., Ramos, R., Naguit, J.A.R., & Dy, D.J., Climate Risk Analysis in Quezon Province (Real-Infanta-General Nakar). Proceedings, 3rd National and 1st International Conference and Workshops on Environmental Science, Ateneo de Manila University, Manila, 2014.

Banaguas, G., Glico, J.M., Fuentebella, V.A., Ramos, R., Naguit, J.A.R., Dy, D.J., Racela, A., & Alejaga, R., Vulnerability Assessment of the Fishery Sector in Quezon Province. Proceedings, 3rd National and 1st International Conference and Workshops on Environmental Science, Ateneo de Manila University, Manila, 2014.

Banaguas, G., Glico, J.M., Fuentebella, V.A., Ramos, R., Naguit, J.A.R., Dy, D.J., Racela, A., & Alejaga, R., Impact and Risk Assessment of Climate Change on Food and Environmental Security in Polilio Islands, Quezon Province. Proceedings, 3rd National and 1st International Conference and Workshops on Environmental Science, Ateneo de Manila University, Manila, 2014.

Banaguas, G., Glico, J.M., Fuentebella, V.A., Ramos, R., Naguit, J.A.R., & Dy, D.J., Climate Risk Analysis in Quezon Province (Real-Infanta-General Nakar). Proceedings, 3rd National Climate Conference, National Academy of Science and Technology, Traders Hotel, Manila, 2014.

Banaguas, G., Glico, J.M., Fuentebella, V.A., Ramos, R., Naguit, J.A.R., Dy, D.J., Racela, A., & Alejaga, R., Vulnerability Assessment of the Fishery Sector in Quezon Province. Proceedings, 3rd National Climate Conference, National Academy of Science and Technology, Traders Hotel, Manila, 2014.

Banaguas, G., Glico, J.M., Fuentebella, V.A., Ramos, R., Naguit, J.A.R., Dy, D.J., Racela, A., & Alejaga, R., Impact and Risk Assessment of Climate Change on Food and Environmental Security in Polilio Islands, Quezon Province. Proceedings, 3rd National Climate Conference, National Academy of Science and Technology, Traders Hotel, Manila, 2014.

Banaguas, G., Modeling Tropical Cyclones using STRIP Framework. Proceedings, DLSU Research Congress, De La Salle University, Manila, 2014.

Banaguas, G., Glico, J.M., Fuentebella, V.A., Ramos, R., Naguit, J.A.R., & Dy, D.J., Climate Risk Analysis in Quezon Province (Real-Infanta-General Nakar). Proceedings, DLSU Research Congress, De La Salle University, Manila, 2014.

Banaguas, G., Lee, A., & Belza, V.D., Building Resiliency on the Municipality of

- Saguday using the Family-Based Disaster Risk Management (FBDRM). Proceedings, DLSU Research Congress, De La Salle University, Manila, 2014.
- Banaguas, G., Bernardo, A.V., Rodriguez, A.Z., Lee, A., & Gulfo, R.L., Creating Climate Disaster Resiliency on the Indigenous People, Tagbanuas, in Coron, Palawan. Proceedings, DLSU Research Congress, De La Salle University, Manila, 2014.
- Banaguas, G., Bernert, K., Ang, T., & Cabrera, M.C., Impact Assessment of Climate Change on Coral Reefs in Busuanga, Palawan. Proceedings, DLSU Research Congress, De La Salle University, Manila, 2014.
- Banaguas, G., Ramos, R., Naguit, J.A.R., Lingad, S., & Lee, D.G., Climate Risk Analysis on Mangroves in Coron, Palawan. Proceedings. DLSU Research Congress, De La Salle University, Manila, 2014.
- 2013 Banaguas, G., Ramos, R., Fuentebella, V.A., Naguit, J.A.R., Co, M., Glico, J.M., Bernert, K., Lee, A., Sy, D.G., & Belza, V.D., CCA-DRRM: The Long-Term Key to MDG. URC Science Policy Brief No. 2, University Research Center, 2013:6.
- Banaguas, G., Track-Risk-Impact-Policy (TRIP) Modeling of Tropical Cyclones in the Philippine Agriculture. URC Science Policy Brief No. 1, University Research Center, De La Salle Araneta University, Philippines, 2013:4.
- Banaguas, G., Lingad, S., & Sy, D.G., The Impacts of Agricultural Carbon Footprint in Salikneta, San Jose Del Monte, Bulacan. Environmental Impact Assessment. Proceedings. 2nd National Conference and Workshop on Environmental Science, UP Los Baños, 2013.
- Banaguas, G., Lee, A., Sy, D.G., & San Miguel, J.V., Tracking Greenhouse Gas (GHG) of the Agricultural Sector in the Province of Quirino. Proceedings. 2nd National Conference and Workshop on Environmental Science, UP Los Baños, 2013.
- Banaguas, G., Bernert K., & San Miguel, J.V., Building Resiliency on the Municipality of Saguday using Family-Based Disaster Risk Management (FBDRM). Proceedings. 2nd National Conference and Workshop on Environmental Science, UP Los Baños, 2013.
- Banaguas, G., Ramos, R., Fuentebella, V.A., & Glico, J.M., Climate Risk Analysis in Casiguran, Aurora, Climate Change, Variability, Vulnerability, Risks and Hazards. Proceedings. 2nd National Conference and Workshop on Environmental Science, UP Los Baños, 2013.
- Banaguas, G., Ramos, R., Fuentebella, V.A., Glico, J.M., Co, M., Naguit, J., & Dy, D.J., Strategic Risk Analysis of Long-Term Climate Variability on Coastal Areas of Siruma, Camarines Sur. Proceedings. 2nd National Conference and Workshop on Environmental Science, UP Los Baños, 2013.
- Banaguas, G., Bernardo, A.V., Rodriguez, A.Z., Lee, A., & Gulfo, R.L., Creating Climate Disaster Resiliency on the Indigenous People, Tagbanuas, in Coron, Palawan. Proceedings: International Conference on Interdisciplinary Research and Development in ASEAN Universities, Chiang Mai, Thailand, 2013.
- Banguas, G., Ramos, R., Naguit, J.A.R., Lingad, S., & Lee, D.G., Climate Risk Analysis on Mangroves in Coron, Palawan. Proceedings: International Conference on Interdisciplinary Research and Development in ASEAN Universities, Chiang Mai, Thailand, 2013.
- Banaguas, G., Bernert, K., Ang, T., & Cabrera, M.C., Impact Assessment of Climate Change on Coral Reefs in Busuanga, Palawan. Proceedings: International Conference on Interdisciplinary Research and Development in ASEAN Universities, Chiang Mai, Thailand, 2013.
- 2011 Banaguas, G., Hydrometeorological Risk Analysis in the City of Malabon. Sulo: An International Refereed Journal of Multidisciplinary Sciences, 2011(5):50-85.
- Banaguas, G., Impact Assessment of Super Typhoon Megi on the Philippine Agricultural Sector. Sulo: An International Journal of Multidisciplinary Sciences,

2011(5):86-107.

Banaguas, G., Cabrera, M., Villar, S., & Zerrudo, J., Low Carbon Building: A Greener Future. *Lagumlalang: A Refereed Journal of Interdisciplinary Synthesis*, 2011(9):1-25.

Banaguas, G., Chua, A., Baccay, J., Uy, D., Aranillo, V., & Diamzon, I., Biodiesel: A Green Energy Option. *Lagumlalang: A Refereed Journal of Interdisciplinary Synthesis*, 2011(9):42-61.

Banaguas, G., & Magtaan, R., Low Carbon Diet Solid Waste Strategem. *Lagumlalang: A Refereed Journal of Interdisciplinary Synthesis*, 2011(9):61-83.

Banaguas, G., & Lorica, D.A., Role of Livestock in the Reduction of Carbon Footprint. *Lagumlalang: A Refereed Journal of Interdisciplinary Synthesis*, 2011(9):83-98.

Banaguas, G., & Salva, A., University-Based Disaster Risk Management for De La Salle Araneta University. *Lagumlalang: A Refereed Journal of Interdisciplinary Synthesis*, 2011(9):99-128.

Banaguas, G., Salva, A., Santos, C., Santos, T., Sioson, Z., Estrella, S., Nuestro, G., & Lobrio, K., Impacts and Risks of Climate Change on the Indigenous People-Dumagats. *Lagumlalang: A Refereed Journal of Interdisciplinary Synthesis*, 2011(9):128-160.

Banaguas, G., & Salva, A., Community-Based Disaster Risk Management (CBDRM): An Elucidation to the Climate Variability on Coastal Communities. *Lagumlalang: A Refereed Journal of Interdisciplinary Synthesis*, 2011(8):62-75.

Banaguas, G., & Baccay, J.A., Creating Climate-Disaster Resiliency on the Poultry Sector in the Province of Bulacan. *Lagumlalang: A Refereed Journal of Interdisciplinary Synthesis*, 2011(8):76-86.

Banaguas, G., Reyes, A., & Garcia, Z., Impact and Risk Analysis of Climate Variability on Rice Production in Cabanatuan, Nueva Ecija. *Lagumlalang: A Refereed Journal of Interdisciplinary Synthesis*, 2011(8):87-95.

Banaguas, G., & Lorica, D., Poverty: Impact of Climate Change in the Coastal Areas of Navotas City. *Lagumlalang: A Refereed Journal of Interdisciplinary Synthesis*, 2011(8):96-102.

Banaguas, G., Risk Assessment of Long-Term Climate Variability on the Production of Maize in Porac, Pampanga. *Lagumlalang: A Refereed Journal of Interdisciplinary Synthesis*, 2011(8):103-110.

2010

Banaguas, G., Strategic Risk Analysis of Climate Environmental Change in the City of Marikina. *Proceedings: Environmental Change and Migration: From Vulnerabilities to Capabilities in Bielefeld University, Germany, European Science Foundation*, 2010.

Banaguas, G., Tropical Cyclones Risk Assessment and Management using Monte Carlo and DPSIR Models. *Milen International Conference, Proceedings: Visions and strategies to address sustainable energy and climate change in Helga Engs, hus, University of Oslo, Norway*, 2010.

Banaguas, G., & Lorica, D., Poverty: A Critical Impact of Climate Change in the Philippine Coastal Sector. *Aceh Tsunami Digital Repository: Annual International Workshop Proceedings, Banda Aceh Indonesia*, 2010.

Banaguas, G., Reyes, A., & Garcia, Z., The Risk Analysis of Climate Variability on the Rice Production in Cabanatuan, Nueva Ecija. *Aceh Tsunami Digital Repository: Annual International Workshop Proceedings, Banda Aceh Indonesia*, 2010.

Banaguas, G., Manalo, A., Espana, K., & Tinonas, M., Risk Assessment of Long-Term Climate Variability on the Production of Maize in Porac, Pampanga. *Aceh Tsunami Digital Repository: Annual International Workshop Proceedings, Banda Aceh Indonesia*, 2010.

Banaguas, G., & Salva, A., Community-Based Disaster Risk Management: An Elucidation to the Climate Variability on Coastal Communities. *Aceh Tsunami Digital*

Repository: Annual International Workshop Proceedings, Banda Aceh Indonesia, 2010.

Banaguas, G., & Cruz, V., The Impacts of Climate Variability on the Habitat Selection of the Amphibian *Rana magna macrocephala* in a Human Dominated Landscape. Proceedings: National Conference on Biodiversity (BIOME) in Catanduanes Island, 2010:38.

Banaguas, G., Hydrometeorological Risk Analysis in the CAMANAVA (Caloocan-Malabon-Navotas-Valenzuela) Cities. Proceedings: National Conference on Biodiversity (BIOME) in Catanduanes Island, 2010:44.

Banaguas, G., & Lorica, D., Poverty: A Critical Impact of Climate Change in the Philippine Coastal Sector. Proceedings: National Conference on Biodiversity (BIOME) in Catanduanes Island, 2010:45.

Banaguas, G., Diamzon, I., Aranillo, V., Uy, D., & Chua, A., The Global Climate Change Impact and Risk Analysis on the fruit-Bearing Trees (Lanzones and Rambutan) in Laguna. Proceedings: National Conference on Biodiversity (BIOME) in Catanduanes Island, 2010:46.

Banaguas, G., & Baccay, J.A., Creating Disaster-Climate Resiliency on the Poultry Sector in the Province of Bulacan, Philippines. Proceedings: National Conference on Biodiversity (BIOME) in Catanduanes Island, 2010:45.

Banaguas, G., Espana, K., Tinonas, M., & Manalo, A., Risk Assessment of Long-Term Climate Variability on the Production of Maize in Porac, Pampanga. Proceedings: National Conference on Biodiversity (BIOME) in Catanduanes Island, 2010:46.

Banaguas, G., Reyes, A., & Garcia, Z., Impacts and Risk Analysis of Climate Variability on the Rice Production in Cabanatuan, Nueva Ecija. Proceedings: National Conference on Biodiversity (BIOME) in Catanduanes Island, 2010:47.

Banaguas, G., Vidal, D., & Lorica, D., Climate Change Impact on the Occurrence of Dengue Caused by *Aedes Aegypti*. Proceedings: National Conference on Biodiversity (BIOME) in Catanduanes Island, 2010:49.

Banaguas, G., Tropical Cyclones Risk Assessment and Management using Monte Carlo and DPSIR Models. Proceedings: International Disaster Risk Conference (IDRC 2010), Davos, Switzerland, 2010.

Name Agnes Llamasares Castillo

Gender Female

Organizational Affiliations

Assistant Professor I, University of Santo Tomas, Faculty of Pharmacy, Main Bldg., España, Manila

Assistant Professor, University of Santo Tomas, M.S. Pharmacy Program, The Graduate School

Resident Researcher, University of Santo Tomas, Research Cluster for the Natural and Applied Sciences, Thomas Aquinas Research Center

Education

Doctor of Philosophy in Pharmacy, University of Santo Tomas, España, Manila 2012

Master of Science in Pharmacy (Cum Laude), University of Santo Tomas, España, Manila 2006

Bachelor of Science in Pharmacy (Cum Laude), University of Santo Tomas, España, Manila 2002

Bachelor of Science in Botany (Cum Laude), University of Santo Tomas, España, Manila 2000

Fields of Specialization

Preformulation

Formulation

Immunopharmacology

Clinical trial

Pharmacy

Product preformulation and Formulation of natural products

Preclinical/ clinical studies of formulated drugs and natural products

Product Stability Studies

Scabies And Immunological response in Scabies

Employment

Resident Researcher, RCNAS, University of Santo Tomas, 2014-present

Faculty member, Faculty of Pharmacy, University of Santo Tomas, 2006-present

Reviewer / Lecturer, Premiere Review Center, 2005-2008

Teaching Assistant, Faculty of Pharmacy, University of Santo Tomas, 2003-2005

Reviewer / Lecturer, INRESS Review Center, 2003-2006

Association Membership

Chair, Scientific Committee, Philippine Pharmaceutical Research Congress

Member, National Research Council of the Philippines

Member, Philippine Association of Colleges of Pharmacy

Member, Natural Products Society of the Philippines

Member, Philippine Pharmaceutical Association

Honors / Awards

Dr. Alfredo C Santos Lecture Award (for *Tinospora cordifolia* Lotion: An Antiscabies and Immunomodulatory agent in *Sarcoptes scabiei* var *hominis*-Infected Pediatric Patients), 19th Natural Products Society of The Philippines Convention 2014

DOST-SEI Scholarship award, Department of Science and Technology 2013

First prize Paper poster presentation (for Randomized Assessor Blind Clinical trial on the safety and efficacy of the Aromatic oil shampoo vs 1% Permethrin shampoo in the treatment of pediculosis capitis), 20th Regional Conference of Dermatology 2012

1st Place, 16th Annual Residents Research Forum (Randomized Assessor Blind Clinical trial on the safety and efficacy of the Aromatic oil shampoo vs 1% Permethrin shampoo in the treatment of pediculosis capitis), Philippine Dermatological Society, UST 2011

2nd Place, UST Hospital Research Contest (Randomized Assessor Blind Clinical trial on the safety and efficacy of the Aromatic oil shampoo vs 1% Permethrin shampoo in the treatment of pediculosis capitis), Philippine Dermatological Society 2011

DOST-SEI Scholarship (2 years), Department of Science and Technology 2010 - 2012

Most Outstanding Research Paper (Experimental Category, 2nd Place), Philippine Dermatological Society 2010

1st Place , UST Hospital Research Contest (A Double-Blind, Randomized Controlled Clinical trial on the safety and Effectiveness of 50% *Tinospora rumphii* Boerl (Makabuhay) lotion vs 5 % Permethrin Lotion in the Treatment of Scabies), Dept. of Medical Education and Research, UST Hospital 2010

Cum Laude (M.S. Pharmacy), UST Graduate School 2006

Top 2, Pharmacy Licensure Exam, Professional Regulation Commission 2003

Silver Medal, Philippine Association of Colleges of Pharmacy 2003

Cum Laude (B.S. Pharmacy), University of Santo Tomas, Manila 2002

Cum Laude (B.S. Botany), University of Santo Tomas, Manila 2000

Trainings

Pharmacy Practice Standards: Based on Science, Driven by Evidence, 2015 PPhA National Convention, SMX Convention Center, Bacolod City 2015 April 22-26

Translational Research in Outcome based Pharmacy Education: A Training Workshop, PACOP's FDS 2014 October 22-23

PCHRD and DOST "Initiatives on Drug Discovery" Is the Philippines Catching Up?, SMX Convention Center, Pasay City 2014 July 24

LabTEC 2014: Addressing the Impact, Issues, and Challenges of AEC 2015 to

Philippines' Laboratories, R&D and Industries, Palawan Room, EDSA Shangri-La Hotel, Mandaluyong City 2014 June 17-18

Engaging the Pharmacy in the Control of Tuberculosis, Pharmacy DOTS Initiative given by USAID at Chef Patrick's Restaurant, Caloocan City 2014 April 30

Training Workshop on Principles of Health Research Ethics and Good Clinical Practice, UPM-NIH and Metro Manila Health research and Dev't Consortium, CME Auditorium, UST 2013 November 11-12

2013 Faculty Development Seminar "Leadership and Effective Communication-Moving Knowledge to Action", Sponsored by Philippine Association of Colleges of Pharmacy at Adamson University, Manila 2013 October 24-26

PCR Basics and V3 Western Workflow Training, Faculty of Pharmacy, UST 2013 September 4-5

Investigatory Projects in Molecular Biology, College of Science, University of Santo Tomas 2010 October 21-22

Seminar Workshop on Laboratory Animal Use and Handling, 2010 August 18

Spectrophotometric Calibration Standards and an Ultra-Micro Cell For UV/Vis Analysis of Proteins and Nucleic acids, Richmond Hotel, Pasig City 2009 August 10

Seminar on implementation of A.O. No. 56 s. 1989 Licensing of Drug Outlets, Malolos, Bulacan 2009 July 31

Researches

Completed

Anti-scabies activities of *Tinospora rumphii* Boerl lotion in *Sarcoptes scabiei* var *hominis*-infected patients: A Pilot study

Immunomodulatory effect of *Tinospora rumphii* Boerl lotion in *Sarcoptes scabiei* var *hominis*-infected patients and its predicted shelf life: A Pilot study

A Double-Blind, Randomized Controlled Clinical trial on the safety and Effectiveness of 50% *Tinospora rumphii* Boerl. (Makabuhay) lotion vs 5% Permethrin Lotion in the Treatment of Scabies

Randomized Assessor Blind Clinical trial on the safety and efficacy of the Aromatic oil shampoo vs 1% Permethrin shampoo in the treatment of pediculosis capitis

Screening of the Anti-Oxidant Activity of the Fractionolic Extract of *Tinospora cordifolia* Stems

Ongoing

Gel trial formulations of the *Tinospora cordifolia* Boerl Ethanolic extract

Coating of *Tinospora* lotion with titanium dioxide

COX I And COX II inhibition, TLC profiles of the different *Tinospora cordifolia* Boerl stem extracts

Publications

2014

Castillo, A.L., Ramos, J.D.A., De Francia, J.L., Quilala, P.F., & Dujunco, M.U., Immunomodulatory Effects Of *Tinospora Cordifolia* Lotion On Interleukin-1, Interleukin-6 And Interleukin-8 Levels In Scabies-Infected Pediatric Patients: A Single

- Blind, Randomized Trial. *International Journal of Pharmaceutical Science and Drug Research*, 2014, 6(3):204-210.
- 2013 Castillo, A., Osi, M., Ramos, J.D., De Francia, J., Dujunco, M., & Quilala, P., Efficacy and Safety of *Tinospora cordifolia* Boerl Lotion in *Sarcoptes scabiei* var *hominis*-Infected Pediatric Patients: A Single blind, Randomized Controlled Trial. *Journal of Pharmacology and Pharmacotherapeutics*, 2013, 4(1):39-46.
- 2012 Perez-Chua, T.A.P., Paliza, A.C., & Castillo, A.L., Randomized, assessor-blind Clinical trial on the safety and efficacy of the Aromatic oil shampoo vs 1% Permethrin shampoo in the treatment of pediculosis capitis. *Philippine Journal of Dermatological Society*, 2012, 21(2):23-29.
- Castillo, A.L., Osi, M.O., Ramos, J.D.A., De Francia, J.L., Dyjunco, M.U., & Quilala, P.F., Immunomodulatory effect of *Tinospora rumphii* Boerl lotion in *Sarcoptes scabiei* var *hominis*-infected patients and its predicted shelf life:a pilot study. *Transactions of the National Academy of Science and Technology*, 2012, 34(1):151.
- Mamaril, T.V., Osi, M.O., Ramos, J.D.A., De Francia, J.L., Dyjunco, M.U., Quilala, P.F., Manlusoc, J.K.T., Marcelo, A.L.C., Mendoza, M.C.C., Naga, M.V.D., Ng Sinco, J.W., Perez, T.A.P., & Castillo, A.L., Pediculicidal activity of a shampoo formulated from the crude ethanolic extract of *Tinospora rumphii* Boerl (*menispermaceae*) stems. *Transactions of the National Academy of Science and Technology*, 2012, 34(1):90.

Name Antonio P. Contreras

Gender Male

Organizational Affiliations

Full Professor, Social Development Research Center, De La Salle University, 2401 Taft Ave., 1004 Manila

Education

Doctor of Philosophy in Political Science, University of Hawaii at Manoa, 2424 Maile Way, Saunders 640, Honolulu, HI 96822

Master of Arts in Political Science, University of Hawaii at Manoa, 2424 Maile Way, Saunders 640, Honolulu, HI 96822

Master of Science in Forestry, University of the Philippines

Bachelor of Science in Forestry, University of the Philippines

Fields of Specialization

Comparative Politics

Policy and Governance: Environmental

Political Science

Political Theory

Forestry

Environmental Politics

Culture Studies

Employment

Dean, College of Liberal Arts, De La Salle University

Association Membership

Member, National Research Council of the Philippines

Member, Board of Trustees, Philippine Political Science Association

Publications

- 2014 Contreras, A.P., Sexualized Bodies of the Filipino: Pleasure and Desire as Everyday Truth and Knowledge. *Φιλοσοφία: International Journal of Philosophy*, 2014, 15(1).
Contreras, A.P., GOING BEYOND PARTNERSHIPS: Multi-Stakeholder Platforms as Opportunities. Society of Filipino Foresters, Inc., 66th Anniversary National Convention and Seminar-Workshop, 2014:21-27.
- 2013 Contreras, A.P., The kingdom and the republic: forest governance and political transformation in Thailand and the Philippines. *Philosophy East and West*, 2013.
Contreras, A.P., Everyday university politics in the Philippines: a tale of two universities. *Philippine Political Science Journal*, 2013, 34(2):170-187.
Contreras, A.P., Upland Agriculture in the Philippines: Issues and Directions Towards the Attainment of the Agriculture and Fisheries Modernization Act (AFMA) Goals.

- Ecosystems and Development Journal, 2013, 4(1):3-13.
- Palis, F.G., Sumalde, Z.M., Torres, C.S., Contreras, A.P., & Datar, F.A., Impact Pathway Analysis of ACIAR's Investment in Rodent Control in Vietnam, Lao PDR and Cambodia. Australian Centre for International Agricultural Research (ACIAR) Impact Assessment Series 83, 2013.
- 2012 Contreras, A.P., Political Ideologies of Western Feminism in the Context of the Women's Movement in the Philippines. *Review of Women's Studies*, 2012, 2(2).
- Contreras, A.P., Socio-economic Impacts, Social Inclusion, and Science-Policy Interphase: The Case of Rice Biotechnology in the Philippines. *Asia-Pacific Social Science Review*, De La Salle University, 2012, 12(1).
- Datoon, R., Palis, F., Contreras, A., & Tanzo, I., Multi-stakeholder approach for rice technology extension: the case of Agusan del Norte [Philippines]. *Philippine Journal of Crop Science (Philippines)*, 2012, 37(Supplement).
- 2011 Contreras, A.P., Investigating Postmodern Politics in the Philippines Using Reflexivity Theory. *Philippine Political Science Journal*, 2011, 32(55):73-102.
- 2010 Contreras, A.P., Engaging the Language, Culture and Politics in the Philippine Homeland from the Imaginations of Selected Filipino-American Students at the University of Hawai'i. *Asia-Pacific Social Science Review*, 2010, 10(1).
- Contreras, A.P., 8 Inquiring into a parallel other. *Alterities in Asia: Reflections on Identity and Regionalism*, 2010:139.
- Contreras, A.P., Female Warriors in GMA TV Fantasy Programs vis-À-vis the Fantasy Wars of GMA the President: Reflections on Simulated Women Engaged in Simulated Violence. *IDEYA: Journal of the Humanities*, 2010, 9(2).
- Contreras, A.P., The Republic and the Kingdom: A Filipino Postmodern Reflection on Thailand as a Parallel Other. *Φιλοσοφία: International Journal of Philosophy*, 2010, 37(2).
- Contreras, A.P., Politics beyond the State: An Inquiry into the Politics of Filipino Everyday and Ordinary Lives. *Φιλοσοφία: International Journal of Philosophy*, 2010, 39(2).
- Contreras, A.P., Building Communities and Simulating the Nation: Politics of Engaging the "Other" in the First Season of Survivor Philippines. *Philippine Political Science Journal*, 2010, 31(54):1-30.
- 2009 Bai, X., Wieczorek, A.J., Kaneko, S., Lisson, S., & Contreras, A.P., Enabling sustainability transitions in Asia: the importance of vertical and horizontal linkages. *Technological Forecasting and Social Change*, 2009, 76(2):255-266.
- Contreras, A.P., The discourse and politics of resistance in the Philippine uplands. *Kasarinlan: Philippine Journal of Third World Studies*, 2009, 7(4).
- Contreras, A.P., Governance in a Postmodern World: Challenges for Philippine Science and Politics. *Φιλοσοφία: International Journal of Philosophy*, 2009, 38(2).
- Contreras, A.P., Globalization, the Political Theory of the State and Civil Society, and the Politics of Identity in the Context of Environmental Governance. *Kasarinlan: Philippine Journal of Third World Studies*, 2009, 14(3).
- 2008 Bastakoti, R.C., Lebel, L., Dore, J., Contreras, A.P., & Jianchu, X., Collective action in water management through regional networks: Critical reflections from M-POWER experiences. *CGIAR Challenge Program on Water and Food*, 2008:222-226.
- 2007 Lebel, L., Garden, P., Banaticla, M.R.N., Lasco, R.D., Contreras, A., Mitra, A.P., Sharma, C., Nguyen, H.T., Ooi, G.L., & Sari, A., Management into the Development Strategies of Urbanizing Regions in Asia: Implications of Urban Function, Form, and Role. *Journal of Industrial Ecology*, 2007, 11(2):61-81.
- Contreras, A.P., Virtual Thailand: The Media and Cultural Politics in Thailand, Malaysia and Singapore (Glen Lewis). *Kasarinlan: Philippine Journal of Third World Studies*, 2007, 21(2):180-183.

- Contreras, A.P., Local Institutions at the Crossroads of Environmental Regionalism in Southeast Asia: State-Civil Society Interplays and Tensions. *Philippine Political Science Journal*, 2007, 28(51):33-54.
- 2006 Lebel, L., Xu, J., & Contreras, A.P., Institutional Dynamics and Stasis: How Crises Alter the Way Common Pool Resources are Perceived, Used and Governed. Regional Center for Social Science and Sustainable Development, Faculty of Social Sciences, Chiang Mai University, 2006.
- Contreras, A.P., Local Institutions at the Crossroads of Environmental and Natural Resources Governance in Southeast Asia: State-Civil Society Interfaces and Tensions in the Context of Regionalism. Paper presented at SEAGA Conference, 2006, 28:30.
- 2004 Contreras, A.P., Creating space for local forest management: the case of the Philippines. *Local forest management: the impacts of devolution policies*, 2004:127-149.
- Lebel, L., Contreras, A., Pasong, S., & Garden, P., Nobody knows best: alternative perspectives on forest management and governance in Southeast Asia. *International Environmental Agreements*, 2004, 4(2):111-127.
- Lasco, R., Lebel, L., Sari, A., Mitra, A.P., Tri, N.H., Ling, O.G., & Contreras, A.P., Integrating Carbon Management into Development Strategies of Cities-Establishing a Network of Case Studies of Urbanisation in Asia Pacific. Final Report for Asia-Pacific Network project, 2004.
- Contreras, A.P., State-civil society relations and forest governance in Thailand and the Philippines. Draft Paper, Manila: De La Salle University. Mimeo, 2004.
- Contreras, A.P., Civil society, environmental security and knowledge: forest governance in Thailand and the Philippines in the context of ASEAN. *International Environmental Agreements*, 2004, 4(2):179-193.
- Contreras, A.P., Community-led Watershed-based Water Resources Management: The Case of Balian, Pangil, Laguna. Philippine Institute for Development Studies, 2004(DP 2004-20).
- Contreras, A.P., Winning the Water Wars: Toward a Watershed-based Approach to Watershed Resources Management: A Policy Agenda for Local Government Units. Philippine Institute for Development Studies, 2004(DP 2004-25).
- Contreras, A.P., Realities of a Watershed Management Approach in the Philippines: A Framework for Case Analysis. Philippine Institute for Development Studies, 2004(DP 2004-19).
- Contreras, A.P., Where do we go from here in terms of the water policy agenda? Epilogue. Philippine Institute for Development Studies; Philippine Council for Agriculture, Forestry, and Natural Resources Research and Development, 2004:239-246.
- 2003 Contreras, A.P., Creating space for local forest management in the Philippines. Center for International Forestry Research (CIFOR), De La Salle University Press, 2003:228p.
- Contreras, A.P., Creating space for local forest management in the Philippines: a synthesis. *Creating Space for Local Forest Management*, 2003:211-218.
- Contreras, A.P., Civil Society and Forest Governance in Southeast Asia: Towards an Alternative Model in Addressing Trans-boundary Forest-related Conflicts. *Southeast Asian Conflict Studies Network*, 2003(6).
- Contreras, A.P., The Transformation of Politics and the Politics of Transformation. *COMMONPLACES AND COMPARISONS*, 2003.
- Edmunds, D., Wollenberg, E., Contreras, A.P., Liu Dachang, Kelkar, G., Nathan, D., Sarin, M., & Singh, N.M., Local forest management: conclusion. *Local forest management: the impacts of devolution policies*. London, UK, Earthscan Publications, 2003:165-181.

- 2002 Contreras, A.P., Locating the political in the ecological: globalization, state-civil society articulations, and environmental governance in the Philippines. De La Salle University Press, 2002.
 Contreras, A.P., Role of Civil Societies in Transboundary Common Property Resource Governance in Southeast Asia. Conference of the International Association for the Study of Common Property (IASCP), 2002.
 Contreras, A.P., Polity Beyond the State: "Postmodernizing" Political Science in the Philippines. *Philippine Political Science Journal*, 2002, 23(46):49-82.
- 2001 Contreras, A.P., & Vargas, M.T., Social, Environmental and Economic Impacts of Forest Policy Reforms in Bolivia. CIFOR/Forest Trends, Bogor, Indonesia, 2001.
 Contreras, A.P., Forests as social construction: Political ecological reflections on the production of knowledge in forest management and governance. International Studies Association Conference, 2001.
 Contreras, A.P., Lebel, L., & Pas-Ong, S., The political economy of tropical and boreal forests. Dartmouth College, 2001.
- 2000 Utting, P., Bagadion Jr., B.C., Contreras, A.P., Leonen, M.M.V.F., Malayang III, B.S., Severino, H.G., & Vitug, M.D., Forest policy and politics in the Philippines: the dynamics of participatory conservation. *Forest policy and politics in the Philippines: the dynamics of participatory conservation*, 2000.
 Contreras, A.P., Rethinking participation and empowerment in the uplands. *Forest policy and politics in the Philippines: the dynamics of participatory conservation*, Ateneo De Manila University Press, Quezon City, 2000:144-170.
 Contreras, A.P., State-civil society interactions in forest governance in Southeast Asia: implications for environmental security. *East-West Center Working Papers, Environment Series (USA)*, 2000.
 Contreras, A.P., Forest Policy in Southeast Asia: Implications for ASEAN and Asia-Europe Cooperation. *Population, food, energy, and the environment: challenges to Asia-Europe cooperation*, 2000:343.
- 1999 Contreras, A.P., Globalization, the State and Civil Society, and the Politics of Identity in the Context of Environmental Governance. *Kasarinlan: A Philippine Journal of Third World Studies*, 1999, 14(3).
 Contreras, A.P., Globalization, global climate change and the financial crisis: some implications for environmental and forest governance in the Philippines. *Forest and Agriculture Organization of the United Nations*, 1999:299-307.
 Contreras, A.P., Imagining a Filipino Political Ecology: A Critical Analysis of the Prospects for Political Science in Environmental Studies. *The Philippine Social Sciences in the Life of the Nation: Enriching each other: the encounter of the social sciences and other branches of knowledge*, 1999, 2:231.
 Contreras, A.P., & Duhaylungsod, L.A., Changing Theories and Practices: A Synthesis of the Role of Social Science in the Environment. *The Philippine Social Sciences in the Life of the Nation: Enriching each other: the encounter of the social sciences and other branches of knowledge*, 1999, 2:249.
- 1998 Contreras, A.P., Imagining a Filipino political ecology: a critical analysis of the prospects for political science in environmental studies in the Philippines. *Journal of Environmental Science and Management (Philippines)*, 1998.
 O'Connor, J., Contreras, A., Escudero, J.C., & Garcia, M.P., Jeffrey Sachs on nature and economic development: Four critiques. *Capitalism Nature Socialism*, 1998, 9(2):113-123.
 Contreras, A.P., Globalization, the political theory of the state and civil society, and the politics of identity: some implications for environmental resources governance. *Food and Agriculture Organization of the United Nations*, 1998.
 Contreras, A.P., Philosophical basis for forestry governance: critique and

- reformulation from a political ecology perspective. FDC General Technical Report Series (Philippines), 1998.
- 1997 Contreras, A.P., Policy issues and needs in indigenous knowledge systems in forestry. Seminar-Workshop on the Application of Indigenous Knowledge Systems in Sustainable Upland Development, College, Laguna (Philippines), 17-19 Oct 1995, 1997:29-42.
- 1996 Contreras, A.P., Women in Philippine forestry: some issues and concerns. ASEAN Social Forestry Seminar, Tagaytay (Philippines), 4-6 Dec 1995, 1996:22-24.
 Malayang III, B.S., Ranola Jr., R.F., Zamora, O.B., Contreras, A.P., Cuevas, R.E., Espaldon, M.V.O., Flor, A.G., Ruscoe, M.T., Ongkiko, I.V.C., & Duma, J.C., GATT [General Agreement on Tariffs and Trade]-WTO [World Trade Organization] and the Philippine environment: policy safeguards to ensure an environment-friendly competitiveness in world trade. ERMP Reports (Philippines), 1996, 31.
 Contreras, A.P., Women farmers of Sta. Catalina, Atimonan [Quezon Province, Philippines]. ASEAN Social Forestry Seminar, Tagaytay (Philippines), 4-6 Dec 1995, 1996:25-28.
- 1994 Contreras, A.P., The two faces of environmentalism: the case of the Philippines. *Capitalism Nature Socialism*, 1994, 5(3):67-78.
 Contreras, A.P., Strategies to incorporate gender issues in curricular programs of forestry and natural resources. Food and Agriculture Organization of the United Nations, 1994.
- 1993 Contreras, A.P., Politics of Environmentalism in the Philippines: Issues in Decolonization and Resistance. Cordillera Studies Center, University of the Philippines College Baguio, 1993.
- 1991 Contreras, A.P., The political economy of state environmentalism: The hidden agenda and its implications on transnational development in the Philippines. *Capitalism Nature Socialism*, 1991, 2(1):66-85.
 Contreras, A.P., Genealogy and Critique of the Upland Development Discourse'. *Philippines Journal of Public Administration*, 1991, 35:55-69.
 Contreras, A.P., Power and discourse: development from the world system to the Philippine uplands. University of Hawaii at Manoa, 1991.
- 1990 Contreras, A.P., Discourse, politics and structure of upland development in the Philippines. Forestry Development Center, University of the Philippines Los Baños, 1990(29).
- 1989 Contreras, A.P., The discourse of development: Some implications of local power/knowledge in the Philippine Uplands. *Philippine Sociological Review*, The Philippine Sociological Society, 1989, 37(1/2):12-25.

Name Rhodora C. Estacio

Gender Female

Organizational Affiliations

Professor 5 and Department Chair, University of the Philippines Manila, Department of Biochemistry and Molecular Biology, College of Medicine, 547 Pedro Gil St., Ermita, Manila

Education

Doctor of Philosophy in Education, De La Salle University, College of Education, Vito Cruz, Manila

Master of Science in Biochemistry, University of the Philippines, 547 Pedro Gil St., Ermita, Manila 1978

Fields of Specialization

Biochemistry

DNA Biotechnology Applied to Hepatitis B virus studies

Biochemical Education

Bioethics applied to research

Cell culture and cytotoxicity testing of natural products

Microbial biodiversity studies of Philippine Fermented Foods using culture independent methods

Association Membership

Regular Member, National Research Council of the Philippines

Researches

Completed

“Doing Right for Patients” A Grounded Theory Method on Physicians Understanding and Negotiation of Ethical Dilemmas

Development of a cheap, and stable serum/plasma standards for common clinical chemistry determinations

Ongoing

Establishing the Biofunctional Activities of Combined Formulations of the Sampung Halamang Gamot

Production of Avian Immunoglobulin Y (IgY) Against the Linear Epitope E2EP3 of Chikungunya

Studies on the Antioxidant, Antitrypsin and Anti tyrosinase Activities of Hylocerus undatus (Dragon fruit)

Papers Presented

2013 Estacio, R.C., & Borromeo, R.T. (2013). “Doing Right for Patients” A Grounded Theory on Physicians Understanding and Negotiation of Ethical, UNESCO Chair in Bioethics 9th World Conference on Bioethics, Medical Ethics and Health Laws, Royal

Continental Congress Center, Naples, Italy.

- 2013 Estacio, R.C. (2013). Ethical Considerations in Qualitative Research, International Conference on Human Research Ethics The Challenges of 21st Century in Research Ethics Review, Academia Sineca, Taiwan.
- 2013 Angeles, H.D.G., Lirazan, M.B.P., Estacio, R.C., & Dalmacio, L.M.M. (2013). Screening of the Anti Angiogenic Potential of White Dragon Fruit (*Hyalocereus undatus*) peel and Pulp Extract Using Duck Embryo Chorioallantoic Membrane (CAM) Assay, 40th Philippine Society of Biochemistry and Molecular Biology Annual Convention.

Publications

- 2013 Leycano, D.A., Patungan, R.S., Balolong, M.P., Estacio, R.C., Reyes, C.P., & Dalmacio, L.M., Comparison of Oral Bacterial Diversity in Caries-Free and Caries-Active Filipino Children Through Sequence Dependent Electrophoresis. *The Journal of the Philippine Dental Association*, 2013, 63(1):17-31.
- 2012 Guevarra, L.A., Destura, R.V., Yu, G.B., Dalmacio, L.M., Ramirez, B.L., Leaño, M.B., & Estacio, R.C., Production of Immunoglobulin Y (IgY) against Synthetic Peptide Analogs of the Immunogenic Epitopes of the Hepatitis B Surface Antigen. *Acta Medica Philippina*, 2012, 46(1):1-21.
- 2011 Dalmacio, L.M., Angeles, A.K., Lacia, L.H., Balolong, M.P., & Estacio, R.C., Assessment of bacterial diversity in selected Philippine fermented food products through polymerase chain reaction-denaturing gradient gel electrophoresis (PCR-DGGE). *Beneficial Microbes*, 2011, 2(4):273-281.
Lacia, L.H., Estacio, R.C., & Dalmacio, L.M., Bacterial profile of Philippine fermented mustard (*burong mustasa*) as revealed by 16S rRNA gene analysis. *Beneficial Microbes*, 2011, 2(4):1-9.
- 1988 Estacio, R.C., Chavez, C.C., Okamoto, H., Lingao, A.L., Reyes, M.T., Domingo, E., & Mayumi, M., Nucleotide sequence of a hepatitis B virus genome of subtype adw isolated from a Philippine: Comparison with the reported three genomes of the same subtype. *Journal of Gastroenterology and Hepatology*, 1988, 3(3):215-222.

Name Rosa Villa B. Estoista

Gender Female

Organizational Affiliations

Faculty and Coordinator of the Integrated Soil & Plant Tissue Lab, Mindanao State University, College of Agriculture, MSU, Marawi City

Education

Doctor of Philosophy in Soil Science, State University of Ghent, International Training Centre (ITC) for Post-Graduate Soil Scientists, Ghent, Belgium 1993

Master of Science in Soil Science, Orientation: Soil Genesis and Classification, State University of Ghent, International Training Centre (ITC) for Post-Graduate Soil Scientists, Ghent, Belgium 1988

Bachelor of Science in Agriculture Major in Agronomy, Mindanao State University, Marawi City, Philippines 1977

Fields of Specialization

Soil Science

Agriculture

Employment

Member, Committee Tasked for the Preparation of an Integrated Research and Development Program for the La, October 2007

Member (for the Agriculture component), Lake Lanao Fact-Finding Technical Committee on the Hydrobiological Assessment of Lake Lanao, 2006

Researcher, Soil Ecology Study under the Philippine-Netherlands Biodiversity Research Programme (BRP) for Dev, December 2003

Consultant for Agriculture & Fishery for the Annotated Bibliography Project in Mindanao, "State of the Art of the Mindanao Studies Project" spearheaded by the Alternate Forum, 2002-2003

Team Leader, Participatory Rural Appraisal in the Lowland Ecosystem of Selected Barangays in Misamis Occ., Mindanao, Phil., Biodiversity Conservation of Mt. Malindang and its Environs, Philippines and the Netherlands Government, March 1999-September 1999

Member, Environmental Impact Assessment Review Committee (EIARC) of the DENR as Agriculture and Soil Science Expert for the Evaluation of the FARM Cooperative/ Dole Philippines, Inc. - Skyland Division, Special Banana Plantation Project, Kisolon, Sumilao, Bukidnon, January 1999-March 1999

Consultant, Soils and Land Use Component of the Environmental Impact Assessment (EIA) for Agus III- National Power Corporation Hydro-Electric Power Plant, A Project with ENR Consultants, Inc., Quezon City and SNC-LAVALIN, March 1998-June 1998

Association Membership

Member, National Research Council of the Philippines

Life Member, Philippine Soil Conservation Society (PSCS), Inc.

Member, Philippine Society of Soil Science and Technology (PSSST), Inc.

Honors / Awards

Best Paper under the Research Category for the research entitled "Assessment of Soil properties and Ecological Diversity in Mt. Malindang Range", 86th RRDC Meeting at NEDA-10, Conference Room, Cagayan de Oro City 2005 September 23

1st Place (garnered by the Soils Team), 17th NOMCARRD R & D Symposium, MOSCAT, Claveria, Misamis Oriental – Assessment of soil properties and ecological diversity in Mt. Malindang Range 2005 August

Doctoral (Greatest Distinction), State University of Ghent 1993

Full Post-Graduate Scholarship for M.Sc. and Ph.D. programme (7 years), Belgian Administration for Development Cooperation (BADC/ABOS), Belgium and the FAO-UNESCO, Rome 1986 September-August 1993

Masters (Great Distinction), State University of Ghent 1988

Bachelor's Degree (Cum Laude), Mindanao State University 1977

Certificate of Academic Excellence, MSU Marawi City 1976 April

Certificate of Academic Excellence, MSU Marawi City 1975 April

Trainings

Special Course on Mössbauer Spectroscopy and Applications in Geology, State University of Ghent, Belgium 1989-1990

Certificate in Leadership and Development Worker Technics, Brussels, Belgium 1987 October 9-11; November 6-8; December 1

Certificate in Leadership and Development Worker Technics, Brussels, Belgium

Certificate in Leadership and Development Worker Technics, Brussels, Belgium

Researches

Completed

Hydrobiological Assessment of Lake Lanao

Soil Ecological Diversity and Conservation of Critical Resources in Agusan del Sur (Focus: Mt. Diwata Range)

Soil Properties and Biological Diversity of Undisturbed and Disturbed Forests in Mt. Malindang, Philippines

Soil Ecological Diversity and Relevant Interrelationships of Critical Resources in Mt. Malindang, Misamis Occidental

State of the Art of the Mindanao Studies Project

Participatory Rural Appraisal in the Lowland Ecosystem of Mt. Malindang, Misamis Occidental, Philippines

Publications

2009

Boniao, R.D., Estoista, R.B., Lumactud, R.C., Aspe, N.M., Mongaya, J.T., & Barrientos, G.R., Forest landuse & the phy-chem & biological properties of soils in Mt. Diwata range, Agusan del Sur. Book of Abstracts World Congress of Agroforestry, 2009.

- 2006 Boniao, R.D., Estoista, R.B., Hansel, C.G., Goede, R., Nuñezza, O.M., Roscom, B.A., James, S., Lumactud, R.C., Poblete, M.O., & Aspe, N.M., Soil properties and biological diversity of undisturbed and disturbed forest in Mt. Malindang, Philippines. *New Waves in Physical Land Resources*, 2006.
- Boniao, R.D., Estoista, R.B., Hansel, C.G., Goeda, R., Nuñezza, O.M., Roscom, B.A., James, S., Lumactud, R.C., Poblete, M.O., & Aspe, N.M., Assessment of soil properties and ecological diversity in Mt. Malindang. *Society, Environment, and Development, The Malindang Experience*, 2006.
- Boniao, R.D., Estoista, R.B., Goede, R., Hansel, C.G., Nuñezza, O.M., Lumactud, R.C., Aspe, N.M., & Poblete, M.O., Soil Ecological Diversity and Relevant Interrelationships of Critical Resources in Mt. Malindang. *Participatory knowledge generation, The case of Biodiversity Research Program (BRP) for development, Mt. Malindang, Philippines*, 2006.
- Boniao, R.D., Estoista, R.B., Goede, R., Hansel, C.G., Nuñezza, O.M., Lumactud, R.C., Aspe, N.M., & Poblete, M.O., Soil Ecological Diversity and Relevant Interrelationships of Critical Resources in Mt. Malindang, Misamis Occidental. *BRP Monograph Series No. 11*, 2006.
- Boniao, R.D., Estoista, R.B., Hansel, C.G., Nuñezza, O.M., Roscom, B.A., James, S., Lumactud, R.C., Poblete, M.O., & Aspe, N.M., Soil properties and biological diversity of undisturbed and disturbed forests in Mt. Malindang, Philippines. *Proceedings, Workshop IC-PLR, Ghent, Belgium*, 2006.
- 2005 (Dr. Estoista as Consultant and Team Leader for the Agriculture and Fisheries Component), *Annotated Bibliography of Mindanao Studies for Agriculture and Fisheries*. Mindanao Studies Consortium Foundation, Incorporated, 2005.

Name Florencio Orendain Gaa

Gender Male

Organizational Affiliations

Assistant Professor, Department of Engineering, University of Asia and the Pacific, Pearl Drive, Ortigas Center, Pasig City

Dean, School of Science & Engineering, University of Asia and the Pacific, Pearl Drive, Ortigas Center, Pasig City

Education

Doctor of Philosophy in Mechanical Engineering, University of New South Wales, Australia 1994

Master of Science in Mechanical Engineering, University of New South Wales, Australia 1987

Bachelor of Science in Mechanical Engineering, University of the Philippines, 1981

Fields of Specialization

Heat Transfer

Thermodynamics

Numerical Modelling & Simulation

Employment

Dean, School of Science & Engineering, University of Asia and the Pacific, Pasig City, 2011-present

Assistant Professor, School of Science & Engineering, University of Asia and the Pacific, Pasig City, 2010-present

Assistant Professor, Dept. of Mechanical Engineering, College of Engineering, UP Diliman, Quezon City 1101, 1994-2010

Research Assistant, School of Mechanical & Industrial Engineering, University of New South Wales, Australia, 1986

Teaching Assistant, School of Mechanical & Industrial Engineering, University of New South Wales, Australia, 1985

Instructor, Engineering Sciences Dept., College of Engineering, UP Diliman, Quezon City 1101, 1981-1983

Association Membership

Registered Mechanical Engineer, Professional Regulation Commission

Scholar, UP Government Scholars Association

Member, Australian Institute of Refrigeration, Air-conditioning & Heating

Member, Society of Automotive Engineers

Associate Member, National Research Council of the Philippines

Honors / Awards

UP Government Scholarship (5 years), University of the Philippines 1976 - 1981

Papers Presented

- 1992 December 14-18 (1992 December 14-18). A Numerical Study of Natural Convection in an Inclined Thermosyphon with an Open Top, 11th Australasian Fluid Mechanics Conference, University of Tasmania, Hobart, Australia.
- 1987 November (1987 November). Free Convection in Inclined Open Thermosyphons, 2nd Natural Convection Workshop, University of New South Wales, Kensington, Australia.

Publications

- 1998 Gaa, F.O., Behnia, M., Leong, S., & Morrison, G.L., Numerical and Experimental Study of Inclined Open Thermosyphons. *International Journal of Numerical Methods for Heat & Fluid Flow*, 1998, 8(7):748-767.
- 1996 Gaa, F.O., Behnia, M., & Morrison, G.L., Experimental Study of Flow Rates through Inclined Open Thermosyphons. *Solar Energy*, 1996, 57(5):401-408.
Behnia, M., Gaa, F.O., Leong, S.S., & Morrison, G.L., Numerical Study of Inclined Open Thermosyphons. *Computational Fluid Dynamics Journal*, 1996, 5(3):319-340.
- 1992 Gaa, F.O., Behnia, M., Leong, S.S., & Morrison, G.L., A Numerical Study of Natural Convection in an Inclined Thermosyphon with an Open Top. *Proceedings of Eleventh Australasian Fluid Mechanics Conference*, University of Tasmania, Hobart, Australia, 1992, 1:339-342.
- 1987 Gaa, F.O., Free Convection in Inclined Open Thermosyphons. 2nd Natural Convection Workshop, University of New South Wales, Kensington, Australia, 1987.

Name Cynthia C. Ignacio-Valencia

Gender Female

Organizational Affiliations

Clinical Professor, Department of Pharmacology & Toxicology, UP College of Medicine, 547 Pedro Gil St., Ermita, Manila

Education

Doctor of Medicine, University of the Philippines, College of Medicine 1975

Master's Program & Teaching Assistanship, Dept. of Chemistry, University of the Philippines Los Baños, Los Baños, College, Laguna 1970

Master of Science in Agricultural Chemistry, University of the Philippines Los Baños, Los Baños, College, Laguna 1969

Bachelor of Science in Chemistry, University of the Philippines Diliman, Diliman, Quezon City 1965

Fields of Specialization

Pharmacology

Good Clinical Practice

Drug Bioavailability/Bioequivalence

Drug Development

Anti-Parasitic Diseases

Medical Journalism/Editing

Employment

Resource Speaker (in several pharmaceutical companies' conferences), PFIZER Phils., Glaxo, Smith, Kline Phils., Natrapharm-Patriot Phils., Janssen Pharmaceutica, 1999-2014

Former Research Associate, Dept. of Pharmacology, Case Western Reserve University School of Medicine, Cleveland, Ohio, U.S.A, 1979-1980

Teaching Assistant in Chemistry, University of Kansas, 1969-1970

Chemist, International Rice Research Institute, Los Baños, Laguna, 1966-1969

Head, Research Grants Administration Office, University of the Philippines Manila

Former Chair and Professor, Dept. of Pharmacology & Toxicology, UP College of Medicine, University of the Philippines Manila

Association Membership

Regular Member, National Research Council of the Philippines

Fellow & Diplomate, Philippine Society of Experimental and Clinical Pharmacology

President, Philippine Society of Experimental and Clinical Pharmacology

Member (1982-1992); Lifetime Member, American Society of Tropical Medicine &

Hygiene

Guest Lecturer on-Pharmacology Topics: Pharmacodynamics, Pharmacokinetics, Drug Regulation, Supply and Distribution, Ateneo School of Medicine and Public Health

Member, American College of Clinical Pharmacology

Member, American Society of Clinical Pharmacology and Therapeutics

Adviser/Examiner in Pharmacology for the Medical Representatives Accreditation Program (MRAP), Philippine Healthcare Association (PHAP)

Editor of Acta Medica Philippina - a joint medical journal of the UP College of Medicine (UPCM), UP College of Public Health (UPCPH) & Philippine General Hospital (PGH), University of the Philippines College of Medicine

Guest Lecturer (1987-1997), Consultant (October 2007), Member of the Bureau of Food and Drug Consultative Technical Working Group on Propranolamine in Pediatric Drug Products, Bureau of Food and Drugs/ Food and Drug Association (BFAD/FDA)

Consultant in Dept. of Parasitology, Research Institute in Tropical Medicine (RITM), Alabang City

Honors / Awards

Achievement Award, Division of Medicinal Sciences, National Research Council of the Philippines 2015

Triple A Award, Maryknoll College 2007

Faculty Recognition Award, UP College of Medicine 2007

Recognized as one of 130 Filipino women in the book "A Century of Women in the Health Sciences 1900-2000 AD" - sponsored book edited by Drs Perla D Santos-Ocampo and Carmencita D Padilla, National Academy of Science and Technology / Institute of Human Genetics / UP Manila 2001

Scholarship Award in Tropical Medicine, ASEAN-TROPMED-USAID Faculty of Tropical Medicine, Mahidol University, Bangkok, Thailand 1991

Temporary Adviser Award, World Health Organization-Western Pacific Regional Office (WHO/WPRO) Advisory Committee on Medical Research, Second Meeting of the Sub-Committee on Schistosomiasis 1985

Visiting Scientist Grant (1 year), World Health Organization-Western Pacific Regional Office (WHO-WPRO) to Case Western Reserve University School of Medicine, Dept. of Pharmacology, Cleveland, Ohio, USA 1984-1985

Temporary Adviser Award, World Health Organization Headquarters (Geneva, Switzerland) Special Programme for Research & Training in Tropical Diseases 1984

Visiting Scientist Grant, World Health Organization- Western Pacific Regional Office (WHO-WPRO) to Case Western Reserve University School of Medicine, Department of Pharmacology, Cleveland, Ohio, USA 1981

Research Fellowship Grant (Field of Study/Research: Metabolism of Anti-Schistosomal Drugs, 1 year), World Health Organization Research Fellowship in Case Western Reserve University School of Medicine, Cleveland, Ohio, U.S.A. 1979-1980

Trainings

Advanced Technology in Chemical Research, Cashiers, North Carolina, U.S.A. 2012 November

Methods and Techniques in Advanced Drug Development, Oxford Global, Montreux, Switzerland 2010

Advanced Training in Pharmacovigilance: Pharmacogenomics and Drug Safety by the International Society of Pharmacovigilance (ISOP) Postgraduate Course, Bangkok, Chaophya Hotel, Bangkok, Thailand 2008 March 16-19

International Society of Pharmacovigilance Conference: Focus on Adverse Reactions, EDSA Shangrila Hotel 2007

National Institutes of Health (NIH)-sponsored Compliance with Ethical Principles for Regulatory Evaluators, Orchid Garden Hotel, Vito Cruz, Manila 2007 November 5-8

Concepts in Pharmacovigilance and Pharmacogenomics ISOP Postgraduate Course in Pharmacovigilance, Semmelweis University, Budapest, Hungary 2007 March 21-25

UP College of Medicine Medical Education Unit Seminar-Workshop "Objectives Setting and Instructional Design", Paz Mendoza Hall, UP Manila 2005 April 1

Waters HPLC Seminar, Metropolitan Club 2005 February 16

U.P. Manila - National Teacher Training Center (NTTC) for the Health Professions Seminar on Small Group Methods: An Overview, Paz-Mendoza Hall, UP Manila 2004 September 27

U.P. Manila - National Teachers Training Center (NTTC) for the Health Professions Seminar on Presentation Methods, Paz-Mendoza Hall, UP Manila 2004 June 28

Good Clinical Practice Seminar-Workshop, UPCM Research Implementation and Development Office (RIDO), UP-PGH Social Hall 2004 March 29-30

U.P. Manila Medical Informatics Unit Training Course: Critical Computer Skills for Health Professionals, Paz-Mendoza Hall, U.P. College of Medicine 2004 February 20

Postgraduate Course in Pharmacology: Safety in Handling of Chemotherapeutic Agents, Manila Midtown Hotel 2003 April 28-29

University of the Philippines Manila College of Public Health (UPM-CPH) Seminar-Workshop, "Meta-Analysis in Medical Research", UP-CPH Auditorium 2002 July 25-27

Philippine College of Pharmaceutical Medicine, CME Diploma Course, "Preparing and Delivering High - Impact Presentations, UNILAB Auditorium 2002 May 30

Training Workshop for International Clinical Research Organization in the Far East: Advanced Good Clinical Practice, Novartis Research Foundation Singapore 2002 January 6-11

Advanced Good Clinical Practice Workshop, Janssen Research Foundation, Beerse & Brugge, Belgium 1999 October 15-20

Basic Medical Statistics Workshop (Statistics Without Pain), McMaster University, Hamilton, Canada 1998 May 14-18

Course on Clinical Development of New Drugs and Therapeutic Agents, Art Science and New Frontiers, Stanford University Medical Center & The Center for Drug Development Science, Georgetown University Medical Center, U.S.A. 1997 July 8-11

Course on Advanced Methods in Pharmacokinetics / Pharmacodynamics, University of California, San Francisco, California, U.S.A. and University of Manchester, U.K. 1997 April 6-11

Course on Quality-of-Life Program Training Program, McMaster University, Hamilton, Canada - Venue on Niagara-on-the-Lake, Ontario, Canada 1997 April 3-4

Fifth Postgraduate Course in Clinical Pharmacology and Therapeutics: Rational Drug Prescribing, Department of Health/Philippine National Drug Policy & UPCM Dept. of Pharmacology (DOH-PNDP-UPCM) 1996 October 25-30

Medical Statistics Course in Clinical Trials, Royal Society of Medicine, London, U.K. 1996 July 23-27

Janssen-Cilag Australia: Introductory Pharmacoeconomics, EDSA Shangri-La Hotel 1996 March 28-29

Janssen-Cilag Australia: Good Clinical Practice and Conduct of Clinical Trials, EDSA Shangri-La Hotel 1996 March 25-27

University of Adelaide (Australia) Pharmacology Faculty Group Course on Drug Disposition jointly sponsored by the Bureau of Food and Drug (BFAD) and the Australian Aid for Developing Countries (AUSAID), Development Academy of the Philippines, Tagaytay City 1995 July 10-14

Pharmacology Review Course: American Society of Clinical Pharmacology and Therapeutics (ASCPT), San Diego, California, U.S.A. 1995 March 15-17

Mannasoft Computer Software Training on Windows, SIS Technologies Phils., Inc. 1995 February 21-25

U.P. College of Medicine - Medical Education Unit (UPCM-MEU): Workshop on Course Evaluation, Bonaventure Bldg., Greenhills, San Juan, Metro Manila 1994 October 19-20

Philippine College of Physicians/Clinical Epidemiology Unit Medical Editors' Seminar-Workshop, United Laboratories Bayanihan Hall 1994 October 3-4

Medical Editors Guild, "Editing and Managing Internal Publications", SEAMEO INNOTECH Center Bldg., Quezon City 1994 June 14-16

Training Course on Computer Software for Medical Research by the Philippine Council for Health Research and Development (PCHRD), Department of Science and Technology (DOST), Bicutan, Taguig City 1993 August 3-27

Training on Computer Software Program (Lotus and Word Processing), Mannasoft Corporation, Makati, Metro Manila 1992 February

Clinical Tropical Pharmacology Course, ASEAN-TROPMED-USAID, The Faculty of Tropical Medicine, Mahidol University, Bangkok, Thailand 1991 August 24-31

Scholarship Postgraduate Course in Biostatistics, SEAMEO-TROPMED U.P. College of Public Health (UP-CPH) 1990

Fifth Southeast Asian Drug Metabolism Workshop, Philippine Society of Experimental and Clinical Pharmacology, Development Academy of the Philippines, Tagaytay City 1990 November 26-28

Good Clinical Practice Seminar-Workshop, Janssen Research Foundation, Sheraton Towers, Singapore 1989 November 20-22

Waters Associates HPLC Seminar-Workshop, Millipore Waters Associates Laboratory Millipore Pty. Ltd. Lane Cove, Sydney, Australia 1987 May 2-9

ASEAN Program Evaluation Meeting/Workshop on Drug Evaluation and Control (Technical Cooperation among ASEAN Countries on Pharmaceuticals, Bureau of Food and Drugs (BFAD) 1986 October 28-30

Waters Associates: Innovations in HPLC Systems, Silahis International Hotel 1986 August 20

Third Postgraduate Course in Clinical Pharmacology, U.P. College of Medicine 1986 April 21-May 2

World Health Organization-Bureau of Foods and Drugs (WHO-BFAD) Seminar-Workshop on ASEAN Drug Evaluation and Regulation, Manila Midtown Hotel 1985 November 5-7

IBM PC Computer Hour Seminar-Workshop, IBM Showroom, Ayala Arcade, Makati 1985 September 16

World Health Organization Western Pacific Regional Office-Bureau of Food and Drugs (WHO/WPRO-BFAD) Seminar on ASEAN Drug Evaluation, WHO/WPRO Conference Room, Manila 1984 July 10-13

First Postgraduate Course in Internal Medicine, Philippine College of Physicians, Lung Center of the Philippines 1983 November 7-12

First Postgraduate Course in Clinical Pharmacology, U.P. College of Medicine 1983 January 29 - May 7

Beckman Instruments Boie Incorporated Seminar on High Performance Liquid Chromatography, Ateneo de Manila University, Makati City 1982 January 19

Special Faculty Clinical; Fellow in Gastroenterology, PGH Gastroenterology Clinic, Philippine General Hospital (PGH) 1981

U.P. Postgraduate School of Medicine – First Postgraduate Course in Sports Medicine, Philippine General Hospital (PGH), Manila 1981 March 11-13

Research Fellowship in Clinical Pharmacology: Pharmacokinetics of Anti-Schistosomal Drugs by the World Health Organization Headquarters (WHO-HQ), Case Western Reserve University School of Medicine, Department of Pharmacology, Cleveland, Ohio, U.S.A. 1979-1980

Varian Instruments Seminar on High Pressure Liquid Chromatography (HPLC), Cleveland State University, Cleveland, Ohio, U.S.A. 1979 October 10

World Health Organization Research Training Grant on the Population Epidemiology of Schistosoma japonicum Infection in Sorsogon, Philippines, Rural communities of Irosin, Gumapia, and Bolos towns in Sorsogon province 1978

Kodak Philippines Workshop on Communication Skills: Audio Visual Aids. First Prize in Group Presentation, Kodak Philippines, Makati City 1977 September 2

National Teachers' Training Center for the Health Professions (NTTC) Workshop on Attitudes: Development and Assessment, U.P. Los Banos, Laguna 1977 April 25-30

Medical internship, UP-Philippine General Hospital 1975-1976

Researches

Completed

Research on the Clinical Pharmacology of Anti-Schistosomal Drug Praziquantel in Filipinos with *Schistosoma japonicum* Infection

Research on the Clinical Pharmacology of Anti-Schistosomal Drug Niridazole in Filipinos with *Schistosoma japonicum* Infection

Papers Presented

- 2015 May 11 Valencia, C.I. (2015 May 11). "History of Good Clinical Practice (GCP) in the Philippines", National Research Council of the Philippines (NRCP) Medical Division.
- 2011, 2012, 2013, 2014 (2011, 2012, 2013, 2014). Speaker on any or a mixture of these 4 topics: Role of the Sponsor, Role of the Clinical Monitor, Role of the Data Safety Monitoring Board (DSMB), Risks in Protocol Implementation, NIH-GCP Course Conference (2011-2014).
- 2008 May 22 Valencia, C.I. (2008 May 22). "Role of the Research Grants Administration Office (RGAO) in the Research Landscape of UP Manila", Philippine Clinical Professionals of the Philippines (PCRPP), Linden Suites, Ortigas Center.
- 1999 (1999). History of Good Clinical Practice; Principles and Concepts of Good Clinical Practice, Philippine Society of Experimental and Clinical Pharmacology (PSECP) 9th Annual Convention, UP College of Medicine.
- 1999 (1999). Good Clinical Practice in the Philippines, Drug Information Association: Manila Shangri-la Hotel DIA Conference "Advancing Clinical Trials in the Philippines".
- 1993 August 23-27 (1993 August 23-27). Philippine Council on Health Research and Development (PCHRD) Training Course on Computer Softwares for Medical Research, DOST Executive Lounge, DOST Complex, Bicutan, Taguig, Metro Manila.
- 1984 Valencia, C.I. (1984). Review of Chemotherapy of *Schistosoma japonicum* Infection. The Southeast Asian Journal of Tropical Medicine and Public Health, Oral Delivery at the UP-College of Public Health.

Publications

- 2012 Valencia, C.I., & Sia, I.C., GCP in the Philippines Revisited. Journal of the Philippine Society of Experimental and Clinical Pharmacology, 2nd edition, 2012:1-5.
- 2010 Maramba-Lazarte, C.C., & Valencia, C.I., Relative Bioavailability of a Generic Cefuroxime 500 mg Versus the Immovator Brand 500 mg Tablet. Philippine Journal of Internal Medicine, 2010, 48(2):37-40.
- 2006 Actonel Study Group; Sarol, J.N., Valencia, C.I., Dimaano, J.R.V., & Cruz, N.C., Postmarketing Surveillance Study of Risedronate in Filipino Patients with Osteoporosis. Philippine Journal of Internal Medicine, 2006, 44(5):269-275.
- 2005 Cordero, C.P., Aligui, E.G., Querijero, M.B., Frias IV, M.V.G., & Valencia, C.I., Responding to the Ethical Challenges in the Conduct of Clinical Trials in the Philippines. Acta Medica Philippina, 2005, 39(2):48-54.
- 2004 Cruz, N.C., & Valencia, C.I., Bioequivalence Study of Rifampicin and Pyrazinamide Fixed-Dose Combination Chewable Tablets. Philippine Journal of Internal Medicine, 2004, 42(5):255-260.
- 2003 Diovan Study Group, Sarol, J.N., Valencia, C.I., & Jara, R.D., A Post-Marketing Surveillance Study on the Safety and Efficacy of Valsartan (Diovan) among Filipino Patients with Mild to Moderate Essential Hypertension. Philippine Journal of Internal

- Medicine, 2003, 41(3):159-164.
- 2002 Lescol XL Study Group, Sarol, J.N., & Valencia, C.I., A Post-Marketing Surveillance Study on the Safety and Efficacy of Fluvastatin (Lescol XL) among Filipino Patients with Primary Hypercholesterolemia. *Philippine Journal of Internal Medicine*, 2002, 40(6):339-344.
- 2001 Valencia, C.I., How, C.H., & Galicia, E.Z., The Status of Good Clinical Practice in the Philippines. *Philippine Journal of Internal Medicine*, 2001, 39(2):143-149.
Sia, I.C., Valencia, C.I., Santos, C.H., Liwag, E., Sarol, J., & How, C.H., Cross-over Bioequivalence Study of Two Formulations of Mefenamic Acid in Healthy Male Filipino Volunteers. *Acta Medica Philippina*, 2001, 37, series(3 & 4):22-29.
- 1998 Valencia, C.I., & De Pauw, M., A Double-Blind, Placebo-Controlled Evaluation of the Safety and Efficacy of Prucalopride in Patients with Chronic Constipation. *Philippine Journal of Internal Medicine; Journal of Gastroenterology and Hepatology*, 1998, 15:supplement, p B27.
Villalon, A.H., Chan, V.F., Valencia, C.I., Cruz, J.P., & Petargue, R.V., The Effect of Subcutaneous Epoetin Alfa on Chemotherapy-Induced Anemia in Filipino Patients with Malignancy. *Philippine Journal of Internal Medicine*, 1998, 36(4):143-147.
- 1997 Cruz, C.M., Ortiz E.E., & Valencia, C.I., High Performance Liquid Chromatography (HPLC) Determination of Serum Penicillin G Levels in Filipino Children with Rheumatic Fever/Rheumatic Heart Disease. *Acta Medica Philippina*, 1997, 32(3):22-26.
Dy-Liacco, J.U., Lim Bon Siong R, Eltanal, MA, Kabamalan, M.G., & Valencia, C.I., Therapeutic Value of Levocabastine Eye Drops in the Treatment of Allergic Conjunctivitis: A Comparative Study Versus Antazoline-Tetrahydrozoline Eye Drops. *Acta Medica Philippina*, 1997, 34(3):1-8.
- 1996 Villalon, A.H., Cruz, J.P., Valencia, C.I., Barlongo, C.O., & Tulio, P.F., The Effect of Subcutaneous Epoetin Alfa (Eprex*) in Cancer Patients with Anemia Secondary to Chemotherapy. *Acta Medica Philippina*, 1996, 32(3):10-14.
Conducto, C.C., Ortiz, E.E., Valencia, C.I., Francisco, M.R., & Chan, V.F., Determination of Serum Penicillin Levels using High Performance Liquid Chromatography (HPLC) and Disk Diffusion Method among Filipino Rheumatic Patients following Benzathine Penicillin G Injection. *Philippine Journal of Cardiology*, 1996, 24(3):68-75.
- 1995 La Rosa, G.P., Pesigan, R.P., Valencia, C.I., Abelardo, N.S., & Gomez, R.M., Sufentanil Anesthesia in Filipino Patients Undergoing Major Surgical Procedures. *Acta Medica Philippina*, 1995, 30(1 & 2):233-246.
- 1993 Caluag, J.B., Mendoza, R.M., Valencia, C.I., & Galang, R.M., A Phase IV Study of Loperamide Hydrochloride in Acute Non-Dysenteric Diarrhea Among Hospitalized Filipino Patients. *Philippine Journal of Internal Medicine*, 1993, 31(5):273-284.
Sunico, I.A., Mendoza, R.M., Valencia, C.I., & Galang, R.M., A Phase IV Study of Loperamide Hydrochloride in Acute Non-Dysenteric Diarrhea Among Adult Filipino OPD Patients. *Philippine Journal of Internal Medicine*, 1993, 31(4):209-222.
- 1992 Valencia, C.I., Sia, I.C., Yumul, E., & Santos, H.C., Cross Over Relative Bioavailability Study of Mefenamic Acid Products in Healthy Filipino Male Volunteers. *Philippine Journal of Internal Medicine*, 1992, 30(5):297-303.
- 1989 Gutierrez, G.T., Monsanto, E.E., Valencia, C.I., Aquino, M.L.G., Guzman, C.B., Logarta, C.G., & Ortega, A.R., Itraconazole in the Treatment of Superficial Mycoses in Filipinos. *Philippine Journal of Internal Medicine*, 1989, 27(3):179-187.
Valencia, C.I., Catto, B.A., Webster Jr., L.T., Barcelon, E., & Ofendo-Reyes, R., Concentration-Time Course of Praziquantel in Filipinos with Mild *Schistosoma japonicum* Infection. *Southeast Asian Journal of Tropical Medicine & Public Health*

- (ASEAN), 1989:409-414.
- 1988 Abarquez, R., Rayel, R., Beltran, A., Valencia, C., & Abita, A., Ketanserin in the Treatment of Essential Hypertension. *Philippine Journal of Internal Medicine*, 1988, 26(5):263-279.
- 1987 Valencia, C.I., & Cabral, E.I., Rationale of Bioavailability Studies. *Philippine Journal of Internal Medicine*, 1987, 25(4):205-217.
- 1984 De la Cruz, E., Litonjua, A., Valencia, C., Del Casal, M., Gonzalez, C., Valdez, E., Piedad, F., Velasco, P., Garcia, E., & Dortmanns, H., *Philippine Drug Reference 3rd Edition*. Philippines, 1984.
- Gutierrez, G.T., Monsanto, E.E., & Valencia, C.I., Ketoconazole in the Treatment of Dermatofungoses in Filipinos. *Philippine Journal of Internal Medicine*, 1984, 22(6):296-301.
- Puertollano, N.L., Vergeire, G.V., Valencia, C.I., & Ortega, A.R., Clinical Trial of Ketoconazole (Nizoral) in Vaginal Candidiasis in the Philippines. *Philippine Journal of Obstetrics and Gynecology*, 1984, 8(3):171-177.
- Valencia, C.I., Catto, B.A., Fairchild, E.M., Wilson, B.S., Maramba, N.P.C., & Webster Jr., L.T., Concentration Time Course of Niridazole and Six Metabolites in the Serum of Four Filipinos with *Schistosoma japonicum* Infection. *The Journal of Pharmacology and Experimental Therapeutics (USA)*, 1984, 230(1):133-140.
- Catto, B.A., Valencia, C.I., Hafez, K., Fairchild, E.M., Webster Jr., L.T., 4-Keto-Niridazole: A Major Niridazole Metabolite with Central Nervous System Toxicity Different than Niridazole. *The Journal of Pharmacology and Experimental Therapeutics (USA)*, 1984, 228(3):662-668.
- 1981 Valencia, C.I., & Abear, R.F., A Modification of the Quantitative Thick Smear Method for *Schistosoma japonicum*. *Southeast Asian Journal of Tropical Medicine and Hygiene (ASEAN)*, 1981, 12:280-283.
- 1980 Editorial Committee: (One of eleven authors with K.E. Mott), Quantitative Aspects of the Epidemiology of *Schistosoma japonicum* Infection in a Rural Community of Luzon, Philippines. *WHO Bulletin Geneva Switzerland (EU)*, 1980, 58(4):629-638.
- 1968 Juliano, B.O., Ignacio, C.C., Panganiban, V.M., & Perez, C.M., Screening for High Protein Rice Varieties from the IRRI World Collection. *Cereal Science Today (USA)*, 1968, 13(8):1968.
- Ignacio, C.C., & Juliano, B.O., Physicochemical Properties of Brown Rice from *Oryza* Species and Hybrid. *Journal of Agriculture and Food Chemistry (USA)*, 1968, 16:125.
- Juliano, B.O., Ignacio, C.C., Panganiban, V.M., & Perez, C.M., Screening for High Protein Rice Varieties from the IRRI World Collection. *Cereal Science Today (USA)*, 1968, 13:8.

Name Clarissa Yvonne Jueco-Domingo

Gender Female

Organizational Affiliations

Professor, Central Luzon State University, College of Veterinary Science and Medicine, Maharlika Rd., Muñoz, Nueva Ecija

Education

Doctor of Public Health, University of the Philippines Manila, 625 Pedro Gil Street, Ermita, Manila 2009

Master of Public Health, University of the Philippines Manila, 625 Pedro Gil Street, Ermita, Manila 1999

Doctor of Veterinary Medicine, University of the Philippines, Diliman, Quezon City 1983

Fields of Specialization

Parasitology

Zoonoses

Clinical Pathology

Food borne Diseases

Molecular Diagnostics

Association Membership

Member, National Research Council of the Philippines

Member, Central Luzon State University Faculty Association, Inc.

Lifetime member, Philippine Veterinary Medical Association (PVMA)

Member, Philippine Veterinary Medical Association-Central Luzon Chapter

Lifetime member, Philippine Society of Animal Science (PSAS)

Member, Philippine Society of Biochemistry and Molecular Biology

Member, Nueva Ecija Veterinary Medical Association (NEVMA)

Member, Philippine College of Ruminant Practitioner (PCRP)

Member, Philippine College of Veterinary Public Health (PCVPH)

Member, Philippine Association of Veterinary Medicine Educators and Schools (PAVMES)

Honors / Awards

Best paper on Animal Diagnostics, "Optimization and Field Validation of Loop-Mediated Isothermal Amplification (LAMP) Assays for Haemophilus parasuis and Mycoplasma hyopneumoniae", 51st Philippine Society of Animal Science Scientific Seminar and Annual Convention, 2014 October 21-25

National Finalist, Search for Outstanding Teachers (SOT), Metrobank Foundation,

Inc., in partnership with the Dept. of Education (DepEd) and Commission on Higher Education (CHED) 2014 October 3

Distinguished Service Award for 30 years, Central Luzon State University 2013 April

Certificate of Recognition as the Adviser of the Best Student Thesis (Undergraduate Level), Central Luzon State University 2013 April 4

Distinguished Service Award, Office of the Mayor 2013 January 11

Outstanding Teacher in Veterinary Science Award, Philippine Society of Animal Science 2013

Distinguished Alumna for Veterinary Research, UP College of Veterinary Medicine Alumni Association 2013

LEADERSHIP in packaging an R&D project under the National Higher Education Research Agenda entitled "Epidemiological Profiling and Risk Assessment of Ruminant Diseases in Nueva Ecija for Animal Health Management", Central Luzon State University (CLSU PRAISE) 2013

Outstanding Veterinarian in Education, Philippine Veterinary Medical Association 2012

AusAID Australian Leadership Awards Fellowship Program Award for 6-Week Bridging the Research-Policy Divide (August-September 2012), AusAID 2012

Certificate of Recognition as the Adviser of the Best Student Thesis (Undergraduate Level), Central Luzon State University 2012

Outstanding Faculty (LEVEL 2), CLSU Program on Awards and Incentives for Service Excellence (PRAISE), Central Luzon State University 2012

Best Paper on Animal Diagnostics, "Caprine and Human Cryptosporidiosis in Smallhold Farms of Aurora Province", 48th National and 29th Visayas Scientific Seminar and Annual Convention, 2011 October

Plaque of Recognition, completion of Dr.PH degree under the DOST-PCHRD Scholarship Program, DOST-PCHRD 2010 July 21

Most Outstanding Veterinarian in Veterinary Research, 38th VPAP Annual Scientific Conference, The Heritage Hotel Macapagal Ave, Roxas Blvd. 2010 June 10-11

Best Dissertation Award, for "Prevalence and Risk Factors of Zoonotic Protozoa among Small Holder Farms in Aurora Province", CLSU R&D In-House Review 2010 May 29

Best Paper Award, for "Prevalence and Risk Factors of Zoonotic Protozoa among Small Holder Farms in Aurora Province", PCC R&D In-House Review 2010 May 28

Best Presenter Award, for "Prevalence and Risk Factors of Zoonotic Protozoa among Small Holder Farms in Aurora Province", PCC R&D In-House Review 2010 May 28

Highest Academic Performance in the Doctor of Public Health Program, Class 2009-2010, UP College of Public Health

SEARCA Dissertation Grant Recipient 2008-2009, Southeast Asian Regional Center for Graduate Study and Research in Agriculture (SEARCA) 2008-2009

DOST-PCAARRD Dissertation Grant Recipient 2007-2009, DOST-PCAARRD 2007-2009

Scholarship Program Award for Doctor of Public Health (Parasitology), 2003-2006, DOST-PCHR 2003-2006

LEADERSHIP in packaging an R&D project under the DOST-PCAARRD Agenda entitled "Development of Loop-mediated Isothermal Amplification Method (LAMP) Assay and Quick Test Kit for Protozoal Gastro-Intestinal Infection (cryptosporidiosis) of Swine, DOST-PCAARRD

Trainings

Write-shop for the Compendium of DOST-Funded Programs and Projects, DOST, Bicutan, Taguig City 2015 February 6

Seminar Workshop on Patent Search, IPOPHL, Intellectual Property Office, Taguig City 2015 January 20-23

DNA Extraction and Polymerase Chain Reaction Technique, National Meat Inspection Service, Visayas Ave., Diliman, Quezon City 2015 January 5-7

Bat Surveillance Training-Workshop, FAO-UN held at PAWB and BSWM, Elliptical Rd, Quezon City 2013 March 19-22

Training-Workshop to Develop a Risk Communication Plan for Emerging Pathogens in the Philippines, FAO-UN held at Summit Hotel, Tagaytay City 2013 March 4-6

Training on Bridging the Research Policy Divide, AUSAID Fellowship Program, Australia National University, Canberra Australia 2012 August 20-September 27

Training Course on "Technical Report Writing for presentation/ publication in a Refereed Journal", PCAARRD Compound, Los Banos, Laguna 2012 July 23-27

Training Cum Write-shop on Technology Disclosure and Claim Drafting, PCAARRD Compound, Los Banos, Laguna 2011 November 2-4

Training Course on "Research Design, Data Analysis and Interpretation for Livestock & Poultry Researchers", PCAARRD Compound, Los Baños, Laguna 2011 April 25-29

Training-Workshop on Climate Change Vulnerability and Impact Assessment of the AFNR Sector, PCAARRD Compound, Los Banos Laguna 2010 December 15-18

Training course on DNA isolation from blood and tissue samples; PCR and LAMP detection of Babesia microti and Trypanosoma spp., NRCPD-OUAVM 2007 September 10-19

Researches

Completed

Development of LAMP Assay and quick Test Kits for Gastro Intestinal Infections of Swine

Improved Investigation, Diagnosis and Technical Support for the Control of Respiratory Diseases of Pigs in the Philippines and Australia (AH/2009/022)

Epidemiological Profiling and Risk Assessment of Ruminant Diseases in Nueva Ecija for Animal Health Management

Study On The Epidemiology Including Ecological Factors Of Fasciolosis And The Recommended Snail Control Of Fasciola Spp. Infection In Nueva Ecija

Ongoing

Institutionalization and Technology Commercialization of LAMP-Based Rapid

Diagnostic Test of Swine Respiratory and Gastrointestinal Infections

Papers Presented

- 2015 Domingo, C.Y.J. (2015). RT-LAMP-Based Assay for Detecting Porcine Epidemic Diarrhea Virus, International PED Summit, Sofitel, Roxas Blvd.
- 2015 Domingo, C.Y.J. (2015). RT-LAMP-Based Assay: Quick and Economical PED Surveillance and Diagnostic Test, 82nd PVMA Annual Scientific Conference and Convention, Radisson Blu Hotel Cebu, Cebu City.
- 2014 Domingo, C.Y.J. (2014). Alternative Quick And Reliable Laboratory Assays for Selected Swine Gastrointestinal Infections, 18th Federation of Asian Veterinary Associations Congress, Marina Bay Sands, Singapore.
- 2014 Domingo, C.Y.J. (2014). Scoping and Formulating the Problem; Policy Influence Plan, International Training on Bridging Research to Policy Divide. University of Indonesia, Jakarta, Indonesia. South Asia Field Epidemiology and Technology Network (SAFETYNET).
- 2014 Domingo, C.Y.J. (2014). Approaches to the Prevention and Treatment of Sheep Diseases in the Philippines, First Consultative Conference on Goat and Sheep (Federation of Goat and Sheep Producers and Associations of the Philippines, Inc.), Supreme Hotel.
- 2014 Domingo, C.Y.J. (2014). Optimization and Field Validation of Loop-Mediated Isothermal Amplification (LAMP) Assays for *Haemophilus parasuis* and *Mycoplasma hyopneumoniae*, 51st Philippine Society of Animal Science Scientific Seminar and Annual Convention.
- 2014 Domingo, C.Y.J. (2014). Development of LAMP Assay for Rapid Detection of PED Virus and other Swine Diseases, Annual Consultation Meeting and Presentation on the 2013 Swine Production Performances in the Philippines, Kalayaan Hall, Club Filipino, San Juan.
- 2013 Domingo, C.Y.J. (2013). Study On The Epidemiology Including Ecological Factors of Fasciolosis and the Recommended Snail Control of *Fasciola* Spp. Infection In Nueva Ecija, EAHMI International Conference. Food and Agriculture Organization (FAO) of the United Nations. Environmental Animal Health Management Initiative for Enhanced Smallholder Production in Southeast Asia (EAHMI). GCP/RAS/244/ITA. Fairmont Hotel, Makati City.
- 2013 Domingo, C.Y.J. (2013). Understanding Parasite and Vector Bionomics As Rationale to *Fasciola* Control Strategies, 80th PVMA Annual Convention and Scientific Conference, PICC, Roxas Blvd., Manila.
- 2013 Domingo, C.Y.J. (2013). *Cryptosporidium* Oocysts (Apicomplexa: Cryptosporidiidae) in the Freshwater Asiatic Clam, *Corbicula fluminea* O. F. Müller, 1774 (Bivalvia: Corbiculidae) from Selected Municipalities of Aurora, Philippines, 5th Scientific Meeting of the Phil. Society of Parasitology: Water and Foodborne Parasites: From Source to Table, Dela Salle, Dasmarinas, Cavite City.
- 2013 Domingo, C.Y.J. (2013). Use of Molecular Techniques to Detect Cause of Diarrhea and Pneumonia in Pigs, National Science & Technology Week's Technology Business Forum, SMX Convention Center, MOA, Pasay.
- 2012 Domingo, C.Y.J. (2012). Prevalence And Risk Factors Of Zoonotic Protozoa Among Small Holder Farms In Aurora Province, 5th ASEAN Congress of Tropical Medicine and Parasitology, City State Hotel, Malate, Manila.

- 2012 Domingo, C.Y.J. (2012). Strategic Control of Ruminant Parasites, Workshop on Surveillance, Parasitic Diseases, Laboratory Diagnosis and GPS Use, Provincial Veterinary Office of Negros Occidental.
- 2012 Domingo, C.Y.J. (2012). Epidemiology of Fasciolosis in Nueva Ecija Including Assessment of Ecological Factors & Recommended Control Measures, 40th VPAP Annual Scientific Conference, Hotel Peninsula, Makati.
- 2012 Domingo, C.Y.J. (2012). Optimization and Field Validation of Loop-Mediated Isothermal Amplification (LAMP) Assays for *Actinobacillus pleuropneumoniae*, *Haemophilus parasuis* and *Mycoplasma hyopneumoniae*, 2012 CLSU In-House Review.
- 2011 Domingo, C.Y.J. (2011). Prevalence And Risk Factors Of Zoonotic Protozoa Among Small Holder Farms In Aurora Province, 16th Federation of Asian Veterinary Association (FAVA) Congress 2011. Waterfront Cebu City Hotel, Lahug, Cebu City.
- 2011 Domingo, C.Y.J. (2011). Caprine and Human Cryptosporidiosis in Smallhold Farms of Aurora Province, 48th National and 29th Visayas Scientific Seminar and Annual Convention.
- 2010 Domingo, C.Y.J. (2010). Prevalence And Risk Factors Of Zoonotic Protozoa Among Small Holder Farms In Aurora Province, 21st CLARRDEC Regional Symposium on Research and Development Highlights, Bulacan State University.
- 2008 Domingo, C.Y.J. (2008). Inhibitory Effect of Synthetic Anthraquinnes Derived from Daylily *Hemerocallis fulva* Root Extract on Adult Female Filariae *Elaeophora poeli* of Philippine Swamp Buffalo, Philippine Society of Parasitology Scientific Meeting, Bureau of Animal Industry Compound.
- 2008 Domingo, C.Y.J. (2008). Climate Type: An Important Environmental Determinant of Surra in the Philippines, 45th PSAS Scientific Seminar and Annual Convention, Philippine Carabao Center.
- 2007 Domingo, C.Y.J. (2007). Surra in the Philippines from 2000 to 2005, 1st International Meeting for Protozoan Diseases, JSPS AA Science Platform Program National Research Center for Protozoan Diseases, Obihiro University of Agriculture and Veterinary Medicine, Hokkaido, Japan.
- 2005 Domingo, C.Y.J. (2005). Advocacy Proposal on the Prohibition of "Tandok" Use on Dog Bite Wounds, Article Presented during the Assessment of the National Rabies Prevention, Control and Vaccination Program of the Bureau of Animal Industry.

Publications

- 2014 Alili, R.P., Alili, J.R.R., & Domingo, C.Y.J., Practical Molecular Strategy for Generating Synthetic Positive Control for Diagnostic PCR and LAMP in Porcine Enzootic Pneumonia. Internet Research Journal, 2014.
- 2013 Gonzales, J.C.V., Domingo, C.Y.J, Abes, N.S., Gutierrez, C.A., Villanueva, M.A., & Mingala, C.N., Concordance of Competitive Enzyme Linked Immuno-sorbent Assay and Nested-Polymerase Chain Reaction in the Detection of Caprine Arthritis-Encephalitis Virus. Elsevier, Small Ruminant Research, 2013, 115(1-3).
 Gaerlan, K.B., & Domingo, C.Y.J., Prevalence of *Fasciola* spp. in Snails (*Lymnaea* spp.) in the Science city of Munoz, Nueva Ecija. The Journal of Graduate Studies, CLSU, 2013, 16(2).
 Domingo, C.Y.J., Epidemiology of fasciolosis in Nueva Ecija Province, northern Philippines, including an assessment of ecological factors and recommended control

- measures. FAO-EAHMI Conference 2013 Proceedings. RAP Publication, 2013.
- 2012 Domingo, C.Y.J., Ador-Dionisio, R.D.C., Lanzasida, G.C., & Corales, R.M.I, Human and Caprine Cryptosporidiosis Among Smallhold Farms in Aurora Province. *Philippine Journal of Veterinary and Animal Sciences*, 2012, 38(1).
 Domingo, C.Y.J., Casao, P., & Asunsion, M.B., *Cryptosporidium* Oocysts (Apicomplexa: Cryptosporidiidae) in the Freshwater Asiatic Clam, *Corbicula fluminea* O.F. Müller, 1774 (Bivalvia: Corbiculidae) from Selected Municipalities of Aurora, Philippines. *Philippine Journal of Veterinary Medicine*, 2012, 49(2).
 Domingo, C.Y.J., Ador-Dionisio, R.D.C., Lanzasida, G.C., & Corales, R.M.I., Human and Caprine Cryptosporidiosis Among Smallhold Farms in Aurora, Province, Philippines. *Philippine Journal of Veterinary and Animal Sciences*, 2012, 38(1).
- 2010 Villanueva, M.A., Domingo, C.Y.J., Abes, N.S., & Mingala, C.N., Incidence and Risk Factors of *Cryptosporidium* spp. Infection in Water Buffaloes Confined in a Communal Management System in the Philippines. *The Internet Journal of Veterinary Medicine*, 2010, 8(1).
 Domingo, C.Y.J., Rivera, P.T.R., Saniel, O., Eduardo, S., Leonardo, L., & Gloriani, N., Prevalence and Risk Factors of Zoonotic Protozoa among Small Holder Farms in Aurora Province. Abstracts of Papers Presented during the 21st Regional Symposium on Research and Development Highlights, 2010.
 Domingo, C.Y.J., Rivera, P.T.R., Saniel, O., Eduardo, S., Leonardo, L., & Gloriani, N., Prevalence and Risk Factors of Zoonotic Protozoa among Small Holder Farms in Aurora Province. Abstracts of Papers Presented during the 38th VPAP Annual Scientific Conference, 2010.
 Domingo, C.Y.J., Rivera, P.T.R., Saniel, O., Eduardo, S., Leonardo, L., & Gloriani, N., Prevalence and Risk Factors of Zoonotic Protozoa among Small Holder Farms in Aurora Province. Abstracts of Papers Presented during the 22nd CLSU In-House Review, 2010.
- 2008 Eduardo, S.L., Domingo, C.Y.J., & Divina, B.P., Zoonotic Parasites of Rats in the Philippines. *Philippine Rats: Ecology and Management*. Eds. Singleton GR, Joshi RC and Leocadio S. Sebastian. Science City of Munoz: Philippine Rice Research Institute, 2008.
 Espino, A.N., Abucay, J.S., Barroga, A.J., Domingo, C.Y.J., & Cinense, M.M., A Geo-Resource Survey of Integrated Aquaculture and Livestock/Poultry Production System in the Philippines. EAHMI A Policy Brief 2: Specialist Panel Review on Livestock and Poultry Manure Use in Aquaculture in the Philippines. Commissioned by the Environmental Animal Health Management Initiative (GCP/PHI/050/ITA), 2008.
 Venturina, V.M., Molina, E.C., Domingo, C.Y.J., Gonzaga, E.A., Medina, N.P., Salcedo, N.B., Venturina, V.M., & Garduque, R.J., Technical Review of the Current State of Knowledge About Surra (*Trypanosoma evansi*) in the Philippines. EAHMI Policy Brief 4: Expert Panel Recommendations for Surra Control in the Philippines based on the Technical Review. Commissioned by the Environmental Animal Health Management Initiative (GCP/PHI/050/ITA), 2008.
 Domingo, C.Y.J., & Medina, N.P., Climate Type: An Important Environmental Determinant of Surra in the Philippines. Abstracts of Papers Presented during the 45th PSAS Scientific Seminar and Annual Convention, 2008.
 Jalandoon, B.J.P., & Domingo, C.Y.J., Inhibitory Effect of Synthetic Anthraquinones Derived from Daylily *Hemerocallis fulva* Root Extract on Adult Female *Filariae* *Elaeophora poeli* of Philippine Swamp Buffalo. Abstracts of Papers Presented during the Philippine Society of Parasitology Scientific Meeting, 2008.
- 2007 Domingo, C.Y.J., Surra in the Philippines from 2001 to 2005. *The Journal of Protozoology*, 2007, 17(2):10-14.
 Domingo, C.Y.J., Papa, A.A., & Vilorio, L.G., Pox-like Lesions by Cashew Nut (*Anacardium occidentale*) Fumes Among Broilers (*Gallus domesticus*) and Game

- Fowls (*Gallus gallus*). *The Northern Philippines Veterinary Journal*, 2007, 3(1):1-5.
- Jalandoon, B.J.P., & Domingo, C.Y.J., Inhibitory Effect of Synthetic Anthraquinnes Derived from Daylily *Hemerocallis fulva* Root Extract on Adult Female Filariae *Elaeophora poeli* of Philippine Swamp Buffalo. *The Northern Philippines Veterinary Journal*, 2007, 3(1):27.
- Domingo, C.Y.J., Surra in the Philippines from 2001 to 2005. In the Abstracts of Papers Presented during the 1st International Meeting for Protozoan Diseases, JSPS AA Science Platform Program, 2007.
- 2006 Antolin, M.M., Joshi, R.C., Sebastian, L.S., Marquez, L.V., Duque, U.G., & Domingo, C.Y.J., Endo- and Ectoparasites of the Philippine Rice Field Rat, *Rattus tanezumi* Temmincki on PhilRice Farms. *International Rice Research Notes*, 2006, 31(1):9-10.
- 2005 Domingo, C.Y.J., & Martin, S.C., Presence of Microfilariae (*Elaeophora poeli*) in *Tabanus* spp. Flies Infesting Philippine Swamp Buffaloes (*Bubalus Bubalis*). *The Northern Philippines Veterinary Journal*, 2005, 2(2):20.
- Domingo, C.Y.J., & Roque, N.C., Regression Analysis on the Mean Microfilarial Count Through Skin Examination and the Number of Aortic Lesions Produced by Adult *Elaeophora poeli* in Infected Philippine Swamp Buffaloes (*Bubalus Bubalis*). *The Northern Philippines Veterinary Journal*, 2005, 2(2):22.
- 2001 Domingo, C.Y.J., & Agoyaoy, E.A., Jr., Bacteriological Quality of Water Supply from Selected Abattoirs in Nueva Ecija. *The Northern Philippines Veterinary Journal*, 2001, 1(1):34.
- Domingo, C.Y.J., Corpuz, R.B., Lontoc, R.J., & Santos, M.A., Heartworm (*Elaeophora poeli*) of the Philippine Swamp Buffaloes. *The Northern Philippines Veterinary Journal*, 2001, 1(1):1-7.
- Domingo, C.Y.J., & Albino, C.A., Bacteriological Quality of Water Supply of Piggery Farms in Nueva Ecija. *The Northern Philippines Veterinary Journal*, 2001, 1(1):34.
- 1998 Castillo, R.R., & Domingo, C.Y.J., Morphological description of the adult *Mammomonogamus laryngeus* in Philippine swamp buffaloes (*bubalus bubalis*). *CLSU Scientific Journal (Jl'97-Je'98)*, 1998:50.
- Lontoc, R.J., & Domingo, C.Y.J., Morphological description of the adult filariae worm *Elaeophora poeli* in philippine swamp buffalo (*bubalus bubalis*). *CLSU Scientific Journal (Jl'97-Je'98)*, 1998:58.
- 1988 Domingo, C.Y.J., & Manuel, M.P., A Study on the Presence of *Cysticercus bovis* in Native Pigs. *Philippine Journal of Veterinary and Animal Science*, 1988, 14(2).

Name Hiyas Antonio Junio

Gender Female

Organizational Affiliations

Assistant Professor, University of the Philippines, Institute of Chemistry Teaching Building, National Science Complex, Diliman, Quezon City 1101

Education

Doctor of Philosophy in Medicinal Biochemistry with concentration in Mass Spectrometry and Natural Products Chemistry, The University of North Carolina at Greensboro, Department of Chemistry and Biochemistry, Patricia A. Sullivan Science Building, Greensboro, NC 2011

Bachelor of Science in Chemistry with research in Natural Products Chemistry, University of the Philippines, Diliman, Quezon City 2001

Fields of Specialization

Mass Spectrometry

Microbiology

Assay (Metabolite Profiling) Development

Medicinal Biochemistry

Employment

Assistant Professor, University of the Philippines, November 2013-present

Post doctoral fellow, Indiana University at Bloomington, June 2012-June 2013

Post doctoral fellow, UNC Greensboro, February 2012-June 2012

Research Assistant I, University of the Philippines - Natural Sciences Research Institute, 2002-2006

Association Membership

Member, National Research Council of the Philippines

Researches

Completed

Secondary Metabolite profiling of native and cultivated miracle fruit (*Crescentia cujete*) found in the Philippines

Metabolomic study of *Eucalyptus deglupta* Blume (Mindanao gum)

Development of Standardized Philippine *Moringa oleifera*-based Food Supplement with Validated Therapeutic Activity By Way of Untargeted Metabolite Profiling and Bioassay-guided Fractionation

Papers Presented

2011 July Junio, H.A., Etefagh, K.A., Sy-Cordero, A.A., Graf, T.N., Oberlies, N.H., & Cech, N.B. (2011 July). Synergy Directed Fractionation: A Modified Approach to Bioassay-Guided Isolation from Goldenseal (*Hydrastis canadensis*, L.), The 52nd Annual Meeting of the American Society of Pharmacognosy. San Diego, CA.

- 2010 July Junio, H.A., Sy-Cordero, A.A., Graf, T.N., Graf, N.H., & Cech, N.B. (2010 July). A Flavonoid from Goldenseal (*Hydrastis canadensis*, L.) Synergistically Enhances the Antibacterial Activity of its Major Alkaloid Berberine, 2010 Joint Annual Meeting of the American Society of Pharmacognosy & the Phytochemical Society of North America. St Petersburg Beach, FL.
- 2009 June Junio, H.A., Sy-Cordero, A.A., Oberlies, N.H., Graf, T.N., & Cech, N.B. (2009 June). Non-Alkaloidal Compounds from Goldenseal (*Hydrastis canadensis*, L.) Synergize the Antibacterial Activity of Known Alkaloidal Constituents, The 50th Annual Meeting of the American Society of Pharmacognosy. Honolulu, HI.

Publications

- 2013 Junio, H.A., Todd, D.A., Etterfagh, K.A., Ehrmann, B.M., Kavanaugh, J.S., Horswill, A.R., & Cech, N.B., Quantitative analysis of autoinducing peptide I (AIP-I) from *Staphylococcus aureus* cultures using ultrahigh performance liquid chromatography–high resolving power mass spectrometry (UPLC-HRMS). *Journal of Chromatography B*, 2013, 930:7-12.
- Bame, J.R., Graf, T.N., Junio, H.A., Bussey III, R.O., Jarmusch, S.A., El-Elimat, T., Falkinham III, J.O., Oberlies, N.H., Cech, R.A., & Cech, N.B., Sarothrin from *Alkanna orientalis* is an antimicrobial agent and efflux pump inhibitor. *Planta Medica*, 2013, 79:327-329.
- 2012 Cech, N.B., Junio, H.A., Ackermann, L.W., Kavanaugh, J.S., & Horswill, A.R., Quorum quenching and antimicrobial activity of goldenseal (*Hydrastis canadensis*) against methicillin-resistant *Staphylococcus aureus* (MRSA). *Planta Medica*, 2012, 78:1556-1561.
- Ettefagh, K.A., Todd, D.A., Junio, H.A., Horswill, A.R., & Cech, N.B., Mass spectrometric detection of virulence factors from methicillin-resistant *Staphylococcus aureus* (MRSA). *Planta Medica*, 2012, 78(11):PJ76.
- 2011 Junio, H.A., Sy-Cordero, A.A., Etterfagh, K.A., Burns, J.T., Micko, K.T., Graf, T.N., Richter, S.J., Cannon, R.E., Oberlies, N.H., & Cech, N.B., Synergy-directed fractionation of botanical medicines: a case study with goldenseal (*Hydrastis canadensis*). *Journal of Natural Products*, 2011, 74(7):1621-1629.
- Ettefagh, K.A., Burns, J.T., Junio, H.A., Kaatz, G.W., & Cech, N.B., Goldenseal (*Hydrastis canadensis* L.) extracts synergistically enhance the antibacterial activity of berberine via efflux pump inhibition. *Planta Medica*, 2011, 77(8):835-840.
- 2008 Cech, N.B., Junio, H.A., Tarney, K.M., Cannon, R.E., Graf, T.N., & Oberlies, N.H., A role for non-alkaloidal constituents in the antibacterial activity of *Hydrastis canadensis*. *Planta Medica*, 2008, 74(9).

Name Allan Patrick Gose Macabeo

Gender Male

Organizational Affiliations

Assistant Professor, Dept. of Chemistry, College of Science, University of Santo Tomas, Espana Blvd., Manila 1015

Education

Doktor rerum naturalium (Doctor of Natural Sciences major in Organic Chemistry), (Magna cum laude), Institut für Organische Chemie, Universität Regensburg, Universitätsstrasse 31, 93053 Regensburg, Germany 2011

Master of Science in Chemistry (Magna cum laude), University of Santo Tomas, Espana Blvd., Manila 2003

Bachelor of Science in Chemistry, University of Santo Tomas, Espana Blvd., Manila 1999

Fields of Specialization

Organic Synthesis and Catalysis

Natural Products Chemistry

Pharmacognosy

Medicinal Chemistry

Ecology

Combinatorial Chemistry

Total Synthesis

Asymmetric Catalysis and Synthesis

Phytochemistry

Pharmaceutical Chemistry

Association Membership

Regular Member, National Research Council of the Philippines

Member, Royal Society of Chemistry (London, United Kingdom)

Regular member, American Chemical Society (Organic and Medicinal Chemistry Division)

Member, Phytochemical Society of Europe

Regular Member, Integrated Chemists of the Philippines

Member, Natural Products Society of the Philippines

Member, Philippine Association for the Advancement of Science

Member, German Chemical Society

Associate Member, American Chemical Society (Organic and Medicinal Chemistry Division)

Member, Philippine Environmental Mutagen Society

Member, Natural Products Society of the Philippines

Member, Natural Products Society of the Philippines

Member, Natural Products Society of the Philippines

Honors / Awards

Dangal ng UST San Alberto Magno Award as Outstanding Researcher in Science and Technology, University of Santo Tomas 2014 March

Conference Grant, Japan Society for the Promotion of Science (JSPS)/Department of Science and Technology 2014 March

Dangal ng UST San Lorenzo Award for Outstanding National Achievement, University of Santo Tomas 2014 March

Conference Grant, International Union of Pure and Applied Chemistry (IUPAC) and Asian CORE 2013 November

Third Prize (Best Poster), 62nd Annual Convention of the Philippine Association for the Advancement of Science (PhilAAS), Philippine Association for the Advancement of Science (PhilAAS) 2013 September

Awardee (Third Prize), National Academy of Science and Technology (NAST) Talent Search for Young Scientists, National Academy of Science and Technology (NAST) 2013 July

Individual Research Grant, Philippine Council for Health Research and Development (PCHRD) 2013 June

Individual Research Grant, International Foundation for Science (IFS) (Stockholm, Sweden) 2013 June

Large-Equipment Grant, The German Academic Exchange Service (DAAD)/German Federal Economics Ministry (BMZ) 2013 May

The Merck Young Scientist Award (MYSA) in the Health Sciences – Philippines, Merck Inc. 2013 May

Travel Grant from the UST Office for Grants and Endowment (OGE), University of Santo Tomas 2013 April

Travel / Conference Grant, Commission for Higher Education (CHED) 2013 April

Dangal ng UST San Alberto Magno Award for Best Published Paper in Science and Technology, University of Santo Tomas 2013 March

The 2012 UST Biennial University Research Award Ceremonies for International Publications Award, University of Santo Tomas 2012 September

National Research Foundation (NRF)-Funded Visiting Research Fellowship (Organocatalysis), Zhao Yu Research Group, Department of Chemistry, National University of Singapore 2012 April-June

First Prize, Poster Competition, 3rd Metro Manila Health Research and Development (MMHRDC) 2012 February

Third Prize, Poster Competition, 3rd Metro Manila Health Research and Development (MMHRDC) 2012 February

Magna cum laude, (Doktor rerum naturalium (Doctor of Natural Sciences major in Organic Chemistry)), Institut für Organische Chemie, Universität Regensburg 2011

Small-Equipment Grant, The German Academic Exchange Service (DAAD) 2011 April

DFG Research Fellowship (Short-Period), AK Reiser, Institut für Organische Chemie, Universität Regensburg 2011 March-May

Freunde der Universität Regensburg Travel Award (Regensburg, Germany), Universität Regensburg 2010 August

The 2010 UST Biennial University Research Award Ceremonies for International Publications Award, University of Santo Tomas 2010 July

Young Scholars Award, Merck Inc. and Chemical Societies of the Pacific Basin, PACIFICHEM 2010

The 2008 UST Biennial University Research Award Ceremonies for International Publications Award, University of Santo Tomas 2008 November

DAAD Graduate Research Scholarship for Doctor of Science Studies (4 years), German Academic Exchange Service/Deutscher Akademischer Austauschdienst, Universität Regensburg 2007-2011

Best Research Paper, Gruppo Medica Award for Outstanding Undergraduate Research in Herbal Medicine (with undergraduate student, Warren S. Vidar), Gruppo Medica, Inc. and the Philippine Council for Health Research and Development 2007 August

Finalist in the Chemical Division, Scientific Research Poster Competition of the 5th Annual Meeting of the National Research Council of the Philippines, National Research Council of the Philippines 2007

Best Scientific Paper, 11th Annual Convention of the Natural Products Society of the Philippines, Natural Products Society of the Philippines 2006 December 4-5

Finalist, 2005 DOST PCASTRD Outstanding Thesis and Dissertation in the Advanced Science and Technology Sector - Indole alkaloids from the leaves of *Alstonia scholaris* (L.) R. Br., photoinduced synthesis of 6,7-seco-angustilobine B-fullerene[C60] adduct, DOST-PCASTRD 2005 November

Finalist, Gruppo Medica Award for Outstanding Undergraduate Research in Herbal Medicine (with undergraduate students, Florie A. Tudla and Erickson M. Paragas), Gruppo Medica, Inc. and the Philippine Council for Health Research and Development 2005 July

CHED-COE Scholarship for MSc Chemistry (4 years), Commission on Higher Education 1999-2003

Finalist, 14th Scientific Poster Competition for Health and Related Technologies, Philippine Council for Health Research and Development 2003 July

Magna cum laude (M.S. Chemistry), University of Santo Tomas 2003

International Union of Pure and Applied Chemistry (IUPAC) Travel Award (Brisbane, Australia), International Union of Pure and Applied Chemistry (IUPAC) 2001 June

Third Best Research Paper, Gruppo Medica Award for Outstanding Undergraduate Research in Herbal Medicine, Gruppo Medica, Inc. and the Philippine Council for Health Research and Development 1999

CHED-COE Scholarship for BSc Chemistry (1 year), Commission on Higher Education 1998-

1999

St. Martin de Porres Undergraduate Scholarship (1 year), University of Santo Tomas 1995-1996

Researches

Completed

Catalytic properties of Nickel (II)-NHC carbene complexes towards Ullmann-type coupling reactions

Organocatalytic properties of a chiral proline-2-imidazoline hybrid – a preliminary study

Diversity-oriented synthesis strategies towards potential anti-infective agents – C-H oxidation chemistry of squalene and other related terpenes

Phytochemistry and biological activities of selected endemic Annonaceae species

Concise and straight-forward synthesis of antituberculosis Lunasia alkaloids and derivatives through innate C-H arylation

Phytochemistry and biological activities of selected endemic Annonaceae species – Part II

Fluorous biphasic catalysis of Heck reaction using palladium and nickel complexes

Concise and straight-forward synthesis of antituberculosis Lunasia alkaloids and derivatives through innate C-H arylation

C-H activation enabled synthesis and biological activity of oxidized Voacanga alkaloids

Studies on the bioactive components of chemically-modified DCM fractions of selected Uvaria species

Bioactive alkaloids from Voacanga megacarpa and Flueggea flexuosa

Ongoing

Fluorous biphasic catalysis of Heck reaction using palladium and nickel complexes

Chemical studies on the bioactive compounds of selected Uvaria species, their chemically-modified DCM fractions and endophytic fungi exLibrary synthesis of bioactive 4-aza and 4-hydroxycyclopentenoids derived from rearrangement of furfuryl carbinols

Publications

2014 Macabeo, A.P.G., & Lee, C.A., Sterols and triterpenes from the non-polar antitubercular fraction of *Abutilon indicum*. *Pharmacognosy Journal*, 2014, 6:49-52.

Lirio, S., Macabeo, A.P.G., Knorn, M., Kohls, P., Wang, Y., Franzblau, S.G., & Aguinaldo, A.M., Antitubercular constituents from *Premna odorata* Blanco. *Journal of Ethnopharmacology*, 2014, 154:471-474.

2013 Macabeo, A.P.G., Lopez, A.D.C., Schmidt, S., Heilmann, J., Dahse, H.-M., Franzblau, S.G., & Alejandro, G.J.D., Antitubercular and cytotoxic constituents from *Goniothalamus sibuyanensis*. *Records of Natural Products*, 2013, 8(1):41-45.

Vidar, W.S., Macabeo, A.P.G., Kohls, P., Knorn, M., & Aguinaldo, A.M., Polymethoxylated flavones from *Micromelum compressum*. *Biochemical Systematics and Ecology*, 2013, 50:48-50.

Acosta, C.J.H., Macabeo, A.P.G., & Santiago, L.A., Assessment of the antiurolithiatic and antioxidant properties of *Ficus pseudopalma*. *Current Research in Biomedical and Pharmaceutical Sciences*, 2013, 2(2):22-30.

Macabeo, A.P.G., Martinez, F.P., Schmidt, S., Heilmann, J., Franzblau, S.G., & Dahse, H.-M., Discovery of new antituberculosis and anticancer aromatic metabolites from the new Philippine

- Annonaceae species, *Uvaria valderramensis*. Abstracts of Papers, 245th American Chemical Society National Meeting & Exposition, New Orleans, LA, United States, 2013.
- Macabeo, A.P.G., Vidar, W.S., Nagle, D.G., & Mooberry, S., Biological assessment of the anticancer bisindole alkaloid globospiramine. Abstracts of Papers, 245th American Chemical Society National Meeting & Exposition, New Orleans, LA, United States, 2013.
- Macabeo, A.P.G., Lopez, A.D., Schmidt, S., Heilmann, J., & Alejandro, G.J.D., Phytochemical studies on the antituberculosis constituents of *Goniothalamus sibuyanensis*. Abstracts of Papers, 245th American Chemical Society National Meeting & Exposition, New Orleans, LA, United States, 2013.
- Macabeo, A.P.G., Heilmann, J., Franzblau, S.G., & Reiser, O., Anticancer and antituberculosis activity of benzyloxylated benzaldehydes and 2-aryl-2-imidazolines. Abstracts of Papers, 245th American Chemical Society National Meeting & Exposition, New Orleans, LA, United States, 2013.
- Ali, M.T.M., Macabeo, A.P.G., Wan, B., Franzblau, S., & Reiser, O., Asymmetric approach toward new conformationally constrained cis-gamma butyrolactone. Abstracts of Papers, 245th American Chemical Society National Meeting & Exposition, New Orleans, LA, United States, 2013.
- Macabeo, A.P.G., Lehmann, C.W., & Reiser, O., Diastereoselective Synthesis of Enantiopure γ -Butenolide-butyrolactones towards Pseudopterogorgia Lactone Furanocembranoid Substructures. *ChemInform*, 2013, 44(17).
- 2012 Macabeo, A.P.G., Lehmann, C.W., & Reiser, O., Diastereoselective Synthesis of Enantiopure γ -Butenolide-butyrolactones towards Pseudopterogorgia Lactone Furanocembranoid Substructures. *Cheminform*, 2012, 23(20):2909-2012.
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- Macabeo, A.P.G., Vila, J.A., Alejandro, G.J.D., Franzblau, S.G., Kouam, S.F., Hussain, H., & Krohn, K., Villarinol, a new alkenoxyalkenol derivative from the endemic Philippine Rubiaceae species *Villaria odorata*. *Natural Products Communication*, 2012, 7(6):779-780.
- Macabeo, A.P.G., Gehle, D., Krohn, K., Franzblau, S.G., & Aguinaldo, M.A.M., Photoactivated [3+2] addition of 6,7-seco-angustilobine B to fullerene [c60]. *Natural Products Communication*, 2012, 7(6):743-745.
- Cabuang, P.G.D., Exconde, B.S., Lim, V., Padilla, D.K.M., Salas, S.R., Lemana, B.O.C., Macabeo, A.P.G., & Alejandro, G.J.D., A novel species of *Uvaria* (Annonaceae) based on cpDNA markers with potential medicinal properties. *Philippine Journal of Systematic Biology*, 2012, 6:1-16.
- 2011 Macabeo, A.P.G., Vidar, W.S., Wan, B., Franzblau, S.G., Chen, X., Decker, M., Heilmann, J., & Aguinaldo, M.A.M., *Mycobacterium tuberculosis* H37Rv and cholinesterase inhibitors from *Voacanga globosa*. *European Journal of Medicine Chemistry*, 2011, 46:3118-3123.
- Macabeo, A.P.G., Kreuzer, A., & Reiser, O., Stereoselective routes to aryl substituted γ -butyrolactones and their application towards the synthesis of highly oxidized furanocembranoids. *Organic and Biomolecular Chemistry*, 2011, 9(9):3146-3150.
- Ali, M.T.M., Macabeo, A.P.G., Wan, B., Franzblau, S., & Reiser, O., Enantioselective synthesis of (-)-Geissman-Waiss lactone, antitubercular γ -butyrolactones and tetrapeptide derivatives. Abstracts of Papers, 242th American Chemical Society National Meeting & Exposition, Denver, CO, United States, 2011.
- Macabeo, A.P.G., Kreuzer, A., & Reiser, O., Stereoselective Routes to Aryl Substituted γ -butyrolactones and their Application towards the Synthesis of Highly Oxidized Furanocembranoids. *ChemInform*, 2011, 42(36).
- Macabeo, A.P., Vidar, W.S., Chen, X., Decker, M., Heilmann, J., Wan, B., Franzblau, S.G.,

- Galvez, E.V., Aguinaldo, M.A., & Cordell, G.A., Mycobacterium tuberculosis and Cholinesterase Inhibitors from *Voacanga globosa*. *ChemInform*, 2011, 42(41).
- 2010 Macabeo, A.P.G., Tudla, F., Alejandro, G.J.D., Kouam, S.F., Krohn, K., & Hussain, H., Benzoylated derivatives from *Uvaria rufa*. *Biochemical Systematics and Ecology*, 2010, 38:857-860.
- Barbic, M., Macabeo, A.P.G., Kreft, S., & Hailmann, J., Astragalosides from *Astragalus illyricus*. *Biochemical Systematics and Ecology*, 2010, 38:140-142.
- Villaflores, O.B., Macabeo, A.P.G., Gehle, D., Krohn, K., Franzblau, S.G., & Aguinaldo, M.A.M., Phytoconstituents from *Alpinia purpurata* and their in vitro inhibitory activity against *Mycobacterium tuberculosis*. *Pharmacognosy Magazine*, 2010, 6(24):339-344.
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- Macabeo, A.P.G., Vidar, W.S., barbic, M., Aguinaldo, M.A.M., Franzblau, S.G., & Cordell, G.A., Globospiramine, a new antituberculosis bisaspidospermidine indole alkaloid from *Voacanga globosa*. Abstracts of Papers, 240th American Chemical Society National Meeting & Exposition, Boston, MA, United States, 2010.
- Macabeo, A.P.G., & Reiser, O., Vinylogous Mukaiyama approaches towards the stereoselective synthesis of bielschowskysin and norsecurinines. Abstracts of Papers, 240th American Chemical Society National Meeting & Exposition, Boston, MA, United States, 2010.
- Macabeo, A.P.G., Kreuzer, A., & Reiser, O., Diastereoselective routes to γ -aryl and γ -alkyl lactones: Mechanistic insights and model synthetic studies towards highly oxidized marine diterpenoids. Abstracts of Papers, 240th American Chemical Society National Meeting & Exposition, Boston, MA, United States, 2010.
- 2009 Macabeo, A.P.G., Alejandro, G.J.D., Hallare, A.V., Vidar, W.S., & Villaflores, O.B., Phytochemical survey and pharmacological activities of the indole alkaloids in the genus *Voacanga* Thouars (Apocynaceae) - an update. *Pharmacognosy Reviews*, 2009, 3(5):132-142.
- 2008 Macabeo, A.P.G., Vilafranca, M., Aguinaldo, A.M., Krohn, K., & Hussain, H., Clerosterols from *Clerodendrum quadriloculare*. *Biochemical Systematics and Ecology*, 2008, 36(8):659-660.
- Macabeo, A.P.G., Read, R.W., Brophy, J., Cordell, G.A., Krohn, K., Gehle, D., Franzblau, S.G., & Aguinaldo, M.A.M., Activity of the extracts and indole alkaloids from *Alstonia scholaris* against *Mycobacterium tuberculosis* H37Rv. *The Philippine Agricultural Scientist*, 2008, 91(3):348-351.
- Macabeo, A.P.G., Synthetic uses of $\text{CITi}(\text{O}^i\text{-Pr})_3$ in C-C(N) Bond Formation. *Synlett*, 2008, 20:3247-3248.
- Macabeo, A.P.G., & Aguinaldo, M.A.M., Chemical and phytomedicinal investigations in *Lunasia amara*. *Pharmacognosy Reviews*, 2008, 2(4):317-325.
- 2007 Mandap, K., Marcelo, R., Macabeo, A.P.G., Franzblau, S.G., & Aguinaldo, A.M., Phenyldecanoids from the antitubercular fractions of the Philippine ginger (*Zingiber officinale*). *ACGC Chemical Research Communications*, 2007, 21:20-22.
- Dalangin-Mallari, V., Macabeo, A.P.G., Byrne, L.T., Yamauchi, T., Abe, F., Franzblau, S.G., & Aguinaldo, M.A.M., Quinoline alkaloids from *Lunasia amara* inhibit *Mycobacterium tuberculosis* H37Rv in vitro. *International Journal of Antimicrobial Agents*, 2007, 27(6):744-746.
- Tudla, F., Aguinaldo, M.A.M., Krohn, K., Hussain, H., & Macabeo, A.P.G., Highly oxygenated cyclohexene metabolites from *Uvaria rufa*. *Biochemical Systematics and Ecology*, 2007, 35(1):45-47.
- 2006 Macabeo, A.P.G., Byrne, L.T., Franzblau, S.G., & Aguinaldo, M.A.M., 19,20E-Akuammidine from the bioactive alkaloid fraction of *Alstonia scholaris* leaves. *ACGC Chemical Research Communications*, 2006, 20:11-13.
- 2005 Macabeo, A.P.G., Krohn, K., Gehle, D., Cordell, G.A., Franzblau, S.G., & Aguinaldo, M.A.M., Indole alkaloids from the leaves of Philippine *Alstonia scholaris*. *Phytochemistry*, 2005,

66(10):1158-1162.

Macabeo, A.P.G., Krohn, K., Gehle, D., Read, R.W., Brophy, J.J., Cordell, G.A., Franzblau, S.G., & Aguinaldo, M.A.M., Indole Alkaloids from the Leaves of Philippine *Alstonia scholaris*. *ChemInform*, 2005, 36(44).

2003 Menguito, C.A., Albano, P.B.S., Macabeo, A.P.G., Manasala, T.L., & Santiago, K.S., Laboratory Experiments in Biochemistry. Department of Chemistry, College of Science, University of Santo Tomas, Manila, 2003.

1999 Macabeo, A.P.G., Franzblau, S.G., Cordell, G.A., & Aguinaldo, M.A.M., A plumeran indole alkaloid from the antitubercular alkaloid extract of *Catharanthus roseus* (Linn.) G. Don (Apocynaceae). *Acta Manilana*, 1999, 36(51-54).

Name Archiebald Baltazar B. Malaki

Gender Male

Organizational Affiliations

Associate Professor, Cebu Technological University, College of Forestry, Cebu Technological University, Argao Cebu Campus, Argao 6021, Cebu

Chairman, Forestry Department, Cebu Technological University, Isidro Kintanar St., Lamacan, Argao, 6021 Cebu Campus

Education

Doctor of Philosophy in Environmental Science, University of the Philippines Los Baños, College, Laguna 2013

Master of Science in Environmental Studies, University of the Philippines in the Visayas, Gorordo Ave., Cebu City 2006

Bachelor of Science in Forestry, Visayas State College of Agriculture (VisCa), Baybay, Leyte 1988

Fields of Specialization

Environmental Science

Forestry

Zoology

Systematics (Taxonomy)

Botany

Association Membership

Member, National Research Council of the Philippines

Member/Researcher, Philippine Network of Educators on Environment (PNEE)

Member, PCAARRD Scholars Association, Inc (PSAI)

Member, Philippine Native Plants Conservation Society, Inc. (PNPCSI)

Member, The University of the Philippines Los Baños (UPLB) Environmental Science Society

Member, Wildlife Conservation Society of the Philippines, Inc. (WCSP)

Member, The Philippine Association of Agri-Vironment Educators and entrepreneurs (PASSAGE), Inc.

Member, Association of Systematic Biologists of the Philippines, Inc.

Member, Philippine Extension Network (PEN), Inc.

Member/Researcher, Forests and Natural Resources Research Society of the Philippines (FORESPI), Inc.

Member, Philippine Society for the Study of Nature (PSSN), Inc.

Honors / Awards

International Publication Award (2014-2015), University of the Philippines under the International Publication 2015

Graduate Science and Technology Scholarship (4 years), Accelerated Science and Technological Human Resource Development Program (ASTHRDP), DOST 2009-2013

Local Scholarship Master's Degree Program (5 years), LSP-MD, Civil Service Commission 2001-2006

Silver Service Award (Twenty-five Years in Government Service). June 28, 1989 – June 26, 2014 pursuant to the provisions of Section 6.1 of the program on Awards and Incentives for Service excellence (PRAISE) of the CTU System, Civil Service Commission Regional Office 7 2014 December 18

Loyalty Service Award, Cebu Technological University, Argao Campus

Trainings

2nd International Conference on Forestry Education and Research for the Asia-Pacific Region, College of Forestry and Natural Resources, University of the Philippines Los Baños 2014 November 19

Researches

Completed

Population Density of Black Shama (*Copsychus cebuensis* Steere) in Mt. Lantoy Key Biodiversity Areas in Argao, Cebu, Philippines

Ongoing

Population Density Assessment in the Selected Forest Patches with the Key Biodiversity Areas in Argao, Argao, Cebu, Philippines

Papers Presented

- 2014 Malaki, A.B.B., Nuevo, R.U., Alcazar, S.M.A., & Lillo, E.P. (2014). Population Density of Black Shama (*Copsychus cebuensis* Steere) in Mt. Lantoy Key Biodiversity Areas in Argao, Cebu, Philippines, 13th R and D In-House Review at St. Mark Hotel, Cebu City, Philippines.
- 2014 Malaki, A.B.B., Nuevo, R.U., Alcazar, S.M.A., & Lillo, E.P. (2014). (Research Proposal) Population Density of Black Shama (*Copsychus cebuensis* Steere) in the Selected Forest Patches in Mt. Lantoy Key Biodiversity Areas in Argao, Cebu, Philippines, 13th R and D In-House Review at St. Mark Hotel, Cebu City, Philippines.
- 2014 Malaki, A.B.B. (2014). Landscape Pattern Impacts of the Population Density and Distribution of Black Shama (*Copsychus cebuensis* Steere) in Argao Watershed Reserve, Argao, Cebu, Philippines, 2nd International Conference on Forestry Education and Research for Asia-Pacific Region held at the Southeast Asian Regional Center for Graduate study and Research in Agriculture (SEARCA), University of the Philippines Los Baños, College, Laguna.
- 2014 Malaki, A.B.B. (2014). Landscape Pattern Analysis in Argao River Watershed Reserve (ARWR), Argao, Cebu, Philippines (Poster), 81st General Membership Assembly held on March 26-27, 2014 at the Manila Hotel, Manila, Philippines.
- 2014 Malaki, A.B.B. (2014). Factors Affecting Spatial Distribution of Black Shama (*Copsychus cebuensis* Steere) in Argao, Watershed Reserve, Argao, Cebu, Philippines, 16th Philippine Association of Agri-vironment Educators and

Entrepreneurs (PASSAGE), Inc. Biennial Conference-Workshop and International Symposium's Concurrent/Parallel Paper Presentation under the Environment Sub Theme at the Cebu Business Hotel, Cebu City, Philippines.

Publications

- 2015 Malaki, A.B.B., Nuevo, R.U., Alcazar, S.M.A., & Lillo, E.P., Population Density and Distribution of Black Shama (*Copsychus cebuensis steere*) in Mt. Lantoy Key Biodiversity Areas in Argao, Cebu, Philippines. *International Journal of Development Research*, 2015, 5(4):4177-4183.
- 2014 Malaki, A.B.B., Influence of Landscape Variables on the Population Density and Distribution of Black Shama (*Copsychus cebuensis Steere*) in Argao Watershed Reserve, Argao, Cebu, Philippines. *International Journal of Latest Research in Science and Technology*, 2014, 3(6):135-141.
- 2013 Malaki, A.B.B., Landscape Pattern Analysis in Argao River Watershed Reserve. *The Asian International Journal of Life Sciences*, 2013, 22(2):443-458 - ISI.
Malaki, A.B.B., Cruz, R.V.O., Bantayan, N.C., Buot Jr., I.E., Racelis, D., & Florence, L.M., Landscape Pattern Impacts on the Population Density of Black Shama (*Copsychus cebuensis Steere*) in Argao Watershed Reserve, Argao, Cebu, Philippines. Hindawi Publishing Corporation, 2013.
- 2011 Malaki, A.B.B., & Buot Jr., I.E., Conservation Status of Indigenous Trees in Argao Watershed Reserve, Argao, Cebu, Philippines. *The Asian International Journal of Life Sciences*, 2011(Supplement):- ISI.

Name Arnolfo M. Monleon

Gender Male

Organizational Affiliations

Associate Professor 1, School of Agriculture, Marinduque State College, Poctoy, Torrijos, Marinduque 4903 Philippines

Education

Doctor of Philosophy, Major in Animal Science, Minor in Environmental Science, University of the Philippines Los Baños, College, Laguna 2011

Master of Science Major in Animal Science (Animal Breeding) Minor in Genetics, University of the Philippines Los Baños, College, Laguna 2004

Bachelor of Science in Agriculture, University of the Philippines Los Baños, College, Laguna 1999

Fields of Specialization

Animal Science

Environmental Science

Genetics

Animal Genetics

Agriculture

Employment

Program Leader, Multi-Agency Research and Development Program on Conservation, Improvement and Profitable Utilization of the Philippines Native Pigs, Philippine Council for Agriculture, Aquatic, and Natural Resources Research and Development, 2014-present

Peer Reviewer, International Journal of Agricultural Policy and Research, 2014

Director, Information Education Communication and Materials Development Office, Marinduque State College

Peer Reviewer, WMSU Research Journal, Western Mindanao State University, 2013-present

Director, Marinduque State College School of Agriculture Credit Cooperative, 2012-present

President, Marinduque State College Faculty Union, 2012-2014

Resource Person, Norwegian Mission Alliance Philippines, 2011-2012

Project Leader, Zonal Research Center for Regions IV & V Grants-In-Aid on Industry Analysis of Native Pig Production in Marinduque Province, Commission on Higher Education (CHED), 2007-2008

Director, Office of Extension, Marinduque State College, 2005-2006

Coordinator, Outreach Program of Philippine Society of Animal Science in

Marinduque, 2005

Co-organizer, Alternative Learning Program and Medical-Dental Mission for Inmates in Marinduque Provincial Jail, 2005

Pahinungod Volunteer, University of the Philippines Los Baños, 2002

Association Membership

Regular Member, National Research Council of the Philippines

Life Member, Phi Sigma Biological Science Honor Society

Life Member, Gamma Sigma Delta Honor Society of Agriculture

Life Member, Philippine Society of Animal Science

Regular Member, National Organization of Science Teachers and Educators

Regular Member, Philippine Society for Microbiology

Regular Member, Philippine Society for the Advancement of Genetics

Individual Member, IAMURE Multidisciplinary Research

Individual Member, Philippine Association of Institutions for Research

Individual Member, Environmental Education Network of the Philippines

Honors / Awards

2nd Best Oral Research Presentation Award, 3rd International Conference on Multidisciplinary Research, International Association of Multidisciplinary Research and La Consolacion College Bacolod, Bacolod City, Negros Occidental 2013

Outstanding Filipino Researcher, International Association of Multidisciplinary Research (IAMURE) and La Consolacion College Bacolod 2013 February 7

Employee Award, Marinduque State College, Boac, Marinduque 2012

Academic Excellence in Biological Sciences, Phi Sigma Biological Sciences Honor Society, College of Law, University of the Philippines Diliman, Quezon City 2011

Plaque of Recognition, Science Education Institute, Department of Science and Technology 2011

Junior Scientist Research Fellow (1 year), Philippine Agriculture and Fisheries Biotechnology Program on Assessment of Vitellogenin Dynamics and Its Relationship with Laying Traits in Philippine mallard, Department of Agriculture 2010-2011

Best Paper Award in Breeding and Genetics, 47th National and 27th Visayas Chapter Scientific Seminar and Annual Convention of Philippine Society of Animal Science 2009

Full Scholar (3 years), Accelerated Science & Technology Human Resources Development (ASTHRD), Science Education Institute (SEI) and Philippine Council for Agriculture, Aquatic and Natural Resources Research and Development (PCAARRD), Department of Science and Technology 2008-2011

Achievement Award, Marinduque State College, Boac, Marinduque 2008

Best Paper Award in Social, Economic and Development, 43rd Scientific Seminar and Annual Convention of Philippine Society of Animal Science 2006

Outstanding Young Professional in Animal Science, 43rd Scientific Seminar and Annual Convention of the Philippine Society of Animal Science, Boracay, Aklan 2006

Best Paper Award in Breeding and Genetics, 42nd Scientific Seminar and Annual Convention of Philippine Society of Animal Science 2005

Full Scholar (3 years), National Research and Development System for Agriculture and Fisheries (NARDSAF), Bureau of Agricultural Research (BAR), Department of Agriculture 2001-2004

Best Paper Award, 36th Scientific Seminar and Annual Convention of Philippine Society of Animal Science 2000

Iskolar ng Bayan (4 years), Socialized Tuition and Financial Assistance Program (STFAP), University of the Philippines Los Baños 1995-1999

Researches

Completed

Variance components in pre-wean growth traits of native pigs

Pre-wean growth in MDQ native pigs

Maternal effect in pre-wean growth in native pigs

Ongoing

PCAARRD Multi-Agency Research and Development Program on Conservation, Improvement, and Profitable Utilization of the Philippines Native Pigs

Papers Presented

- 2014 Monleon, A.M. (2014). Breeds of swine in the Philippines. Empowering Pig Breeding in Taiwan & Philippines, Taiwan Livestock Research Institute, Executive Yuan, Council of Agriculture, Tainan, Taiwan.
- 2012 Monleon, A.M. (2012). Vitellogenin dynamics and reproductive morphology at sexual maturity of Philippine mallard (*Anas platyrhynchos domesticus* Linn) fed with zinc supplemented diet, 2nd Annual International Conference Syiah Kuala University and 8th IMT-GT Uninet Biosciences Conference. Banda Aceh, Indonesia.
- 2012 Monleon, A.M. (2012). Correlation of circulating vitellogenin at sexual maturity with selected laying traits in Philippine mallard (*Anas platyrhynchos domesticus*), 49th Scientific Seminar and Annual Convention of the Philippine Society of Animal Science, Shangri-la, Mandaluyong City, Philippines.
- 2012 Monleon, A.M. (2012). Experiential learning approach for training of farmers on livestock production in Marinduque, Philippines, 4th International Education Conference, Tarlac State University. Tarlac City, Philippines.
- 2012 Monleon, A.M. (2012). Watershed enrichment using *Trichantera gigantea* a promising watershed tree species: I. Measurements of four year old *T. gigantea* planted as intercrop in agriculture-based ecosystem, 5th Environmental Education Network of the Philippines' International Conference and Scientific Meeting, John B. Lacson Maritime University, Iloilo City, Philippines.
- 2010 Monleon, A.M. (2010). Meta-analysis of the effects of nutrition on laying traits expression of domestic duck (*Anas platyrhynchos domesticus* L.), 47th Scientific Seminar and Annual Convention of the Philippine Society of Animal Science. Davao City, Philippines.

- 2008 Monleon, A.M. (2008). Population structure of native pig (*Sus domesticus*) in Marinduque, 45th Scientific Seminar and Annual Convention of the Philippine Society of Animal Science. Philippine Carabao Center, Muñoz City, Philippines.
- 2005 Monleon, A.M. (2005). In-situ conservation efforts for the Philippine native pig (*Sus domesticus*) in Marinduque, 42nd Scientific Seminar and Annual Convention of the Philippine Society of Animal Science. Shangri-la, Makati City, Philippines.
- 2004 Monleon, A.M. (2004). Genetic diversity within and among populations of the Philippine mallard duck (*Anas platyrhynchos* L.), 41st Scientific Seminar and Annual Convention of the Philippine Society of Animal Science. Shangri-la, Makati City, Philippines.
- 1999 (1999). Serological response of broiler chicks to Newcastle disease vaccine as influenced by vaccination against infectious bursal disease, 36th Scientific Seminar and Annual Convention of the Philippine Society of Animal Science. The Heritage Hotel, Pasay City, Philippines.

Publications

- 2015 Monleon, A.M., Traits of Economic Importance in Duck Egg Production in the Philippines. *International Journal of Research*, 2015, 2(2):154-159.
 Monleon, A.M., Sources of variance in pre-wean growth traits of Marinduke pig (*Sus domesticus*). *International Journal of Scientific and Research Publications*, 2015, 5(10).
- 2013 Monleon, A.M., Lambio, A.L., Vega, R.S.A., & Capitan, S.S., Correlation of Circulating Vitellogenin at Sexual Maturity with Selected Laying Traits in Philippine Mallard Duck (*Anas platyrhynchos domesticus* L.). *Philippine Journal of Veterinary and Animal Sciences*, 2013, 39(2):157-164.
- 2012 Monleon, A.M., Lambio, A.L., Vega, R.S.A., Capitan, S.S., & Rebancos, C.M., Vitellogenin dynamics and reproductive morphology at sexual maturity of Philippine Mallard (*Anas platyrhynchos domesticus* L.) fed with zinc supplemented diet. *Proceedings of The 2nd Annual International Conference Syiah Kuala University 2012 & The 8th IMT-GT Uninet Biosciences Conference, Banda Aceh, 2012*, 2(1).
 Monleon, A.M., Experiential Learning Approach for Training of Farmers on Livestock Production in Marinduque, Philippines. *Proceedings of the 4th International Education Conference, Tarlac City, 2012*:14-16.
 Monleon, A.M., Watershed enrichment using *Trichantera gigantea* a promising watershed tree species: I. Measurements of four year old *T. gigantea* planted as intercrop in agriculture-based ecosystem. *5th Environmental Educators Network of the Philippines (EENP) International Conference and Scientific Meeting, 2012*.
 Capitan, S.S., Monleon, A.M., Lambio, A.L., & Vega, R.S.A., Correlation of circulating vitellogenin at sexual maturity with selected laying traits in Philippine mallard (*Anas platyrhynchos domesticus*). *49th Philippine Society of Animal Science Scientific Seminar and Annual Convention and 9th Annual Conference of the Asian Reproductive Biotechnology Society, 2012*.
- 2010 Monleon, A.M., Larracas, P.R., Opeña, J.L., Arrienda II, F.Q., & Supangco, E.P., Population Structure of Native Pig (*Sus domesticus*) in Marinduque. *Philippine Journal of Veterinary and Animal Sciences*, 2010, 36(1):13-18.
 Capitan, S.S., Monleon, A.M., Lambio, A.L., & Vega, R.S.A., Meta-analysis of the effects of nutrition on laying traits expression of domestic duck (*Anas platyrhynchos domesticus* L.). *47th Scientific Seminar and Annual Convention of the Philippine Society of Animal Science, 2010*.
- 2006 Monleon, A.M., Local Conservation Efforts for the Philippine Native Pig (*Sus*

- Domesticus) in Marinduque. *Philippine Journal of Veterinary and Animal Sciences*, 2006, 32(1).
- Monleon, A.M., Bioeconomics of native pig production in Marinduque. *Animal Husbandry & Agricultural Journal*, 2006, 40(3):10-12.
- 2005 Monleon, A.M., Lambio, A.L., Barrion, A.A., & Roxas, N.P., Genetic Diversity within and Among Populations of Philippine Mallard Ducks (*Anas Platyrhynchos* L.) Detected Using Randomly Amplified Polymorphic DNA (RAPD) Markers. *Philippine Journal of Veterinary and Animal Sciences*, 2005, 31(1):1-10.
- 2002 Monleon, A.M., & Barrion, A.A., Evolutionary genetics of Philippine native chicken (*Gallus gallus domesticus* Hutt 1949). *Animal Husbandry & Agricultural Journal*, 2002, 36(9):6-8.
- 2001 Monleon, A.M., Let's conserve the Marinduque native pigs. *Animal Husbandry and Agricultural Journal*, 2001, 35(9):6-7.
- 2000 Batungbacal, M.R., & Monleon, A.M., Serological response of infectious bursal disease-vaccinated broiler chicks to Newcastle disease vaccination. *Philippine Journal of Veterinary and Animal Sciences*, 2000, 26(1):20-34.
- In Press Vega, R.S.A., Lambio, A.L., & Monleon, A.M., Relationship of Vitellogenin with Selected Reproduction Parameters in Philippine Mallard (*Anas platyrhynchos domesticus*). *Philippine Journal of Science*, (in press).

Name Dexter Salinas Ontoy

Gender Male

Organizational Affiliations

Education Program Specialist II, Center for Research and Development, Cebu Normal University, Osmeña Boulevard, Cebu City, Philippines 6000

Education

Master of Diplomacy (International Diplomacy), The Australian National University, Asia-Pacific College of Diplomacy, The Australian National University, Canberra, Australian Capital Territory, Australia 2006

Master of Environmental Management and Development, The Australian National University, Crawford School of Economics and Government, The Australian National University, Canberra, Australian Capital Territory, Australia 2006

Master of Science in Environmental Studies, University of the Philippines in the Visayas - Cebu, Natural Sciences and Mathematics Division, University of the Philippines in the Visayas - Cebu, Lahug, Cebu City, Philippines 2003

Fields of Specialization

Environmental Management and Development

Coastal Ecology / Conservation Biology

Biology

Natural Resource Assessment / Natural Resource Management and Valuation

Aquatic Acute Toxicology

International Diplomacy (particularly Environmental Issues)

Employment

Education Program Specialist II, Cebu Normal University, 18 August 1999-present

Person-in-Charge. University Environmental Sustainability Section (UESS), Cebu Normal University. Responsible for the institutionalization of the (UESS), 1999-present

Associate Editor/ Member, Editorial Board, CNU Journal of Higher Education, 2009-present

Referee, PRISM: Research Journal of Negros Oriental State University, 2012

Mentor, Blended Mentorship Program for Public School Science Teachers (FY 2011). UP Open University Project, 2011

Mentor, Australia Awards - Development Awards Mentoring Program, 2011

Referee, Research Journal University of Southern Philippines Foundation, 2011

Panel Member, College of Nursing 2011 Research Congress. Cebu Normal University, March 2011

Evaluator, UPVCC Faculty Research, Water Scarcity and Household Coping

Strategies in Lapu-Lapu City. UPV Cebu, 2010

Web Administrator and Communication Officer, Philippine-Australia Alumni Association, Inc. (PA3i) Cebu Chapter website, 2010

Project Manager, CNU-iSchools Project. A project of the Commission on Information and Communications Technology with CNU, Cebu Normal University, April 2010-December 2011

Adviser, Master of Arts Thesis of Ms. Mae Ann Araneta, titled "Environmental Literacy Across Sectors in Cebu Normal University", Cebu Normal University, 2009-2010

Member, Promotion and Selection Board (for the selection of an Administrative Aide 1), Cebu Normal University, 2009

Member, Board of Judges - Paper Presentation (2009), 1st USJR Inter-College Students' Research Congress, University of San Jose - Recoletos, 12 March 2009

Member, Board of Judges - Paper and Poster Presentation (2009), 18th Annual Biology Symposium. held at Rigney Hall, University of San Carlos - Talamban Camp, 7 March 2009

Member, Board of Referees, Liceo Journal of Higher Education Research, 2008-2011

Panel Member, Master of Science Thesis of Ms. Dulce B. Batolanon, entitled "Personality Traits and Work Values of Members of the Cebu Librarians Association Incorporated", Cebu Normal University, 2008-2010

Member, Seminar/Clinical Paper Award Committee - Best Seminar/Clinical Paper, Cebu Normal Unive, 2008-2009

Panel Member, Master of Science Thesis of Ms. Monaliza Mugot, titled "Students' Awareness and Motivation sin the Choice of Library and Information Science (LIS) as a Career", Cebu Normal University, 2008-2009

Panel Member, Master of Arts Thesis of Ms. Susan R. Obiedo, titled "The Effects of Multimedia in the Communicative Competence of Students", Cebu Normal University, 2008-2009

Writer, CNU-iSchools Project. A project of the Commission on Information and Communications Technology with, Cebu Normal University, 2008

Member, Board of Judges – Biological Science Projects, Science Fair and Congress 2008, held at Cebu City National Science High School, October 2008

Reactor/Panelist, Graduate Seminar in Environmental Studies, University of the Philippines in the Visayas - Cebu College, 15 March 2008

Panel Member, Master's Thesis of Zelda Marie R. Sagun, entitled "An Evaluation of the Gualandi Volunteers Service Program (GVSP) for the Deaf", Cebu Normal University, 2007

External Critic, MS Thesis of Ms. Cora Jane Lawas, titled "Socio-Economic and Demographic Profile of Fisherfolks in the Islands of Calituban and Mahanay (Talibon) and Economic Valuation of Selected Patches in the Danajob Barrier Reef, Bohol, Cebu Normal University, 2007

Member, Board of Judges–Biological Science Projects, Science Fair and Congress 2007, held at Cebu City National Science High School, 27 September 2007

Member, Technical Working Group, Regional Committee on Research Management Information Systems-Region 7, Central Visayas Consortium for Regional Research and Development (CVCRRD), 1999-2004

Core Member, Sagip Pawikan, Philippines, 1999-2001

Copy and Managing Staff, USISA Research Journal, Cebu Normal University, August 1999-2008

Research Assistant I, University of the Philippines in the Visayas - Cebu College, 16 December 1998-16 June 1999

Science Research Specialist I, Philippine Council for Aquatic and Marine Research and Development, Los Baños, Laguna, 01 January 1998-30 June 1998

Science Research Specialist I, Philippine Council for Aquatic and Marine Research and Development, Los Baños, Laguna, 01 June 1997-30 September 1997

Clerk II (Assistant of the Editor-in-Chief, UPV Journal of Natural Sciences), University of the Philippines in the Visayas, 01 June 1996-May 1997

Lecturer, MSc. Environmental Biology Program (teaching Environmental Impact Analysis; Fundamentals t, Cebu Normal University, Osmena Boulevard, Cebu City

Lecturer, MA Science Education (teaching Environmental Science; Earth Sciences), Cebu Normal University, Osmena Boulevard, Cebu City

Lecturer, BSc. Biology (teaching Fundamentals of Ecology; Research Process), Cebu Normal University, Osmena Boulevard, Cebu City

Lecturer, BEEd Biology Majors (teaching Research Process), Cebu Normal University, Osmena Boulevard, Cebu City

Lecturer, MSc Environmental Studies Program (teaching Research Process), University of the Philippines – Cebu

Association Membership

Member, Coalition for Better Education, Cebu City, Philippines

President, Cebu Normal University Administrative Staff Association

Member, National Research Council of the Philippines

Member, International Association for Society and Natural Resources

Member, Society for Conservation Biology (SCB), 1017 O. St. NW, Washington, DC, USA

Communications Officer / Member, Philippine Australian Alumni Association, Inc.(PA3i)

Member, Wildlife Conservation Society of the Philippines

Vice-President, Unified Practitioners Concern for Environmental Sustainability, Inc., Banilad, Cebu City

Vice-President for Research, Unified Practitioners Concern for Environmental Sustainability, Inc., Banilad, Cebu City

Member, Philippine Association of Institutions for Research, Inc. Kauswagan, Cagayan de Oro City

Member, Philippine Society for the Study of Nature (PSSN)

Member, Mactan Channel Multi-Sectoral Management Council. A Project of Ramon Aboitiz Foundation, Lopez Jaena

Honors / Awards

2012 Outstanding Researcher of Cebu Normal University, Cebu Normal University
2012 August 24

Graduated with Merit, Master of Diplomacy (under combined program with MEMD),
Australian National University 2006

Australian Development Scholarship Award – Combined Master's Degrees (1 year),
Australia 2005-2006

Travel Grant for Oral Paper Presentation in an International Conference. Location:
University of Wis, Commission on Higher Education 2011 April 27

Platinum Award - Rodelsa National Research Publication Award, Liceo de Cagayan
University, in cooperation with CHed Region 10 and DOST Region 10 2011 January
26

Platinum Award - Asian Biodiversity Research Excellence Award, Liceo Press, Liceo
de Cagayan University, in cooperation with CHed Region 10 and DOST Region 10
2011 March 10

Loyalty Award, Cebu Normal University 2009 September 30

Trainings

16th National Senior Educators' Assembly for Environmental Protection and
Management, "Research, Legend Hotel, Puerto Princesa City, Palawan, Philippines
2012 November 24-25

Training-Workshop on Deductive Approach to Theory Development (Training
Manager), Cebu Normal University, Cebu City, Philippines 2012 November 14-16

Original Book Writeshop: Innovations in Research Materials Development (Training
Manager), Cebu Normal University, Cebu City, Philippines 2012 June 20-22

Training Workshop on Context-Based Forecasting (Training Manager), Alta Cebu
Village Garden Resort and Convention Center, Cordova, Mactan, Cebu 2012 May 21-
24

Expanding Development to the Local Level: Issues for Inclusive Growth, University of
San Carlos 2012 May 7

Instructional Leadership and Curricular Excellence for Senior Faculty (Participant),
Malaysia 2012 March 4-10

2nd International Conference on Multidisciplinary Research, EastView Hotel, Bacolod
City, Philippines 2011 October 21-22

Study in Australia Seminar, Radisson Blu Hotel Cebu 2011 June 28

Orientation Seminar on Environmental Standards (ISO 14001), DOST 7 Conference
Hall, Lahug S&T Complex, Sudlon, Lahug, Cebu City 2011 May 25

Blended Mentorship in Research for grades 4 and 5 Science Teachers, UPOU, Los
Baños, Laguna UP Cebu, Cebu City 2011 May 10

Pre-Departure Briefing of the PAHRDF 2011 Intake (Mentor 1), Philippines – Australia Human Resource Development Facility, Crowned Plaza Hotel, Ortigas, Mandaluyong 2011 May 5-6

First Cebu International Nursing Conference (Chair, Concurrent Session), Waterfront Cebu Hotel and Casino, Cebu City, Philippines 2011 April 26-27

Environmental Research Forum, UP Cebu, Audio-Visual Room, UP Cebu, Cebu City, Philippines 2011 February 23

University of San Carlos Bi-Annual Research Forum, Fr. Theodore Bittenbruch Hall, University of San Carlos, Cebu City, Philippines 2011 February 17

Research Publication Writeshop, College of Arts and Sciences, Imelda Aroma Mountain Park, Municipality of Catmon, Cebu, Philippines 2011 January 21-22

Basic Course on Principles of Good Clinical Practice and Research Ethics, National Institute of Health, UP-PGH Department of Science and Technology Region 7 (DOST-7) Sudlon 2011 January 13-14

First National Teacher Education Research Congress, Cebu City Sports Club, Cebu Business Park, Cebu City 2010 September 24-25

CHED-GIA 2001 Network Research Project Public Forum, University Convention Hall, Cebu Normal University 2010 September 4

7th National Conference, PAIR, Pearlmont Inn, Cagayan de Oro City 2010 August 23-25

Research Congress 2010 (Panelist), College of Nursing, Cebu Normal University 2010 May 25

CNU Book Writing for Academic Publishing Conference Workshop, National Book Development Board and Anvil Publishing, Inc., University Conference Room, Cebu Normal 2010 May 24

Writing a Research Article for Publication, University Conference Room, Cebu Normal University 2010 May 13-15

Data Analysis for Thesis Advising, University Conference Room, Cebu Normal University 2010 March 19

Poverty, Gender and the Environment: A Seminar-workshop in interdisciplinary research methodology, University of San Carlos 2010 February 27

Technical Report Writing Workshop, CHED USC Zonal Research Center, CAFA Building, University of San Carlos 2010 January 8

2nd Outstanding Young Scientists Inc. (OYSI) Regional Symposium and Workshop on Climate Change, Central Mindanao University, Musuan, Bukidnon 2009 October 26-27

2009 Research Congress and Festival (Panelist), College of Nursing, Cebu Normal University 2009 October 15-16

Theory Development Training-Workshop, Cebu Normal University, with Dr. Roberto N. Padua as mentor Boardwalk Resort, Compostela, Cebu 2009 August 14-15

Management Training Course for Cebu and Bohol HEI Research Leaders and Managers, CHed-USC Zonal Research Center – Region 7 (Cebu and Bohol Cluster),

USC Retreat House, University 2009 July 2-4

Thesis Advising and Mentoring Workshop, Batung Malunhaw Beach Resort, Municipality of Alegria, Cebu 2009 May 25-27

Summer Assembly of the Philippine Association for Graduate Education (PAGE) Region 7, University of Southern Philippines-Foundation, Salinas Drive, Cebu City 2009 May 9

1st USJ-R Inter-College Students' Research Congress, Research Center, University of San Jose-Recoletos CPA Review Center, USJ-R, Cebu City 2009 March 12

18th Annual Biology Symposium, Department of Biology, University of San Carlos Rigney Hall, USC-Talamban Campus 2009 March 7

GIA Proposal Writing Workshop, CHed-USC Zonal Research Center - Region 7 (Cebu and Bohol Cluster), Montebello Villa Hotel, Banila 2009 February 18-19

Advanced Online Writing Techniques Training Workshop, Commission on Information and Communications Technology, Calumpang Beach Resort, Argao, Cebu 2009 February 2-6

Publishing 101 Academic Conference, Bittenbruch Hall, University of San Carlos 2008 November 28

Research and Confirmatory Data Analysis, CNU in consortium with CHed-USC Zonal Research Center - Region 7 2008 November 13-15

Semi-Annual Lecture Series: Governance of SUCs in the Context of Phil. Higher Education, University Social Hall, Cebu Normal University 2008 November 4

Research Capability Training and In-House Review, Hidden Valley Mountain Resort, Lamac, Municipality of Pinamungajan, Cebu, Philippines 2008 October 23-24

National Health and Environment Research Forum, Philippine Association of Institutions for Research, Inc., Liceo de Cagayan University, Cagayan de Oro 2008 August 1-2

Basic Online Writing Techniques Training/Workshop (News Writing, Feature Writing, Internet Blogging), Oasis Hotel, Clarkville Compound, Clark Perimeter Road, Angeles City, Pampanga 2008 June 28-30

Research Executive and Managers' Conference, Philippine Association of Institutions for Research, University of San Jose Recoletos, Cebu Normal University, and Holy Name University 2008 June 2-4

Leveraging on Best Analytical Tools for Instruction, The Asia-Pacific Center for Research, Inc., Bittenbruch Hall, University of San Carlos 2008 April 17

Graduate Seminar in Environmental Studies, UP in the Visayas Cebu, ILC, UPV Cebu College 2008 March 15

Research Colloquium: Presentation and Discussion of Research Outputs under CHED Grants- In-Aid (GIA), Audio-Visual Room, Ernest Hoerdemann Building, University of San Carlos 2008 July 4

Papers Presented

2011 Ontoy, D.S., Parilla, R.B., Pansit, N.R., Picardal, J.J., & Gohetia, C.M. (2011). Small-Scale Fishing Communities with Marine Protected Area in Cebu Main Island, Cebu Province, Philippines: Welfare and MPA Management, CNU Journal of Higher

Education, Cebu Normal University, Philippines. 17th International Symposium on Society & Resource Management, University of Wisconsin-Madison, Madison, USA.

- 2011 Ontoy, D.S., & Padua, R.N. (2011). Global Competitiveness Sub-Indices as Potential Determinants of Basic Education Quality Across Different Countries, First National Teacher Education Research Congress (NTERCon-1), hosted by the College of Teacher Education, Cebu Normal University.

Publications

- 2014 Padua, R.N., & Ontoy, D.S., Deterministic and Stochastic Valuation Models for Marine Reserves. *Asian Journal of Biodiversity*, (accepted, 2014 Vol.).
Ontoy, D.S., & Paspasan, R.M., Community Development and Divergent Forces in Philippine State Universities and Colleges: Developing a Protocol in Evaluating Extension Projects Towards Community Empowerment. *Proceedings Book. International Teacher Education Conference 2014*, 2014:175-184.
- 2012 Ontoy, D.S., Parilla, R.B., Pansit, N.R., Picardal, J.J., & Gohetia, C.M., Small-Scale Fishing Communities with Marine Protected Area in Cebu Main Island, Cebu Province, Philippines: Welfare and MPA Management. *CNU Journal of Higher Education*, 2012:Special Issue: 65-77.
Padua, R.N., Picardal, J.P., Cempron, J.T., Ontoy, D.S., & Tecson, S., Interfacing Random and Non-Random Genetic Models by Chaotic Dynamical Systems. *CNU Journal of Higher Education*, 2012, 6:72-82.
- 2011 Ontoy, D.S., An Analysis of ASEAN Diplomacy with Indonesia's Two Cases: The East Timor and Aceh Conflicts. *Journal on Studies of International Cultures*, Taiwan, 2011.
Padua, R.N., Picardal, J.P., Ontoy, D.S., & Tecson, S.B., A k-Parameter Analysis of Hardy-Weinberg Equilibrium Conditions for the Mangrove Species of Two Islands in Eastern Visayas, Philippines. *CNU Journal of Higher Education*, 2011, 5:43-59.
Padua, R.N., & Ontoy, D.S., Determination of Optimal Sizes of Marine Protected Areas in Visayas, Philippines Through Biological-Social Welfare Optimization. *CNU Journal of Higher Education*, 2011, 5:163-174.
Ontoy, D.S., & Padua, R.N., Global Competitiveness Sub-Indices as Potential Determinants of Basic Education Quality Across Different Countries. *CNU Journal of Higher Education*, 2011, 5(125-137).
- 2010 Padua, R.N., & Ontoy, D.S., The Use of a Kernel Ecological System in a Multiple Species Predator-Prey Model and Climate Change Impact on Biodiversity. *Asian Journal of Biodiversity*, 2010, 1(1):165-184.
Padua, R.N., Ontoy, D.S., & Tulang, A.B., Bayesian Reproduction Number Estimation for Dengue Virus Transmission. *Liceo Journal of Higher Education Research*, 2010, 6(2):172-187.
- 2009 Ontoy, D.S., & Padua, R.N., Multiple Species Lotka-Volterra Predator-Prey Model with Environmental Stochasticity. *CNU Journal of Higher Education*, 2009, 3:64-77.
- 2008 Ontoy, D.S., Assessing Environmental Performance: Eco-efficiency and ISO 14031. *Nexus*, 2008, 13(1):29-37.
- 2005 Juario, J.V., & Ontoy, D.S., Reassessment of the Mangrove Forest of Ormoc Bay, Philippines. *UPV Journal of Natural Sciences*, 2005, 10:181-196.
- 2003 Juario, J.V., & Ontoy, D.S., Mangrove Forest Monitoring and Evaluation Handbook. In: J.V. Juario (ed.) Ormoc Bay Post-Resource and Social Assessment Monitoring: RSA Handbooks. Fisheries Resource Management Project (FRMP) Information Paper, 2003.
- 2002 Soledad, B.M., Pañares, Z.A, Bagarinao, R., Opiniano, R., Lao, E.B., Ontoy, D.S.,

Dumangas, M.E., Galapate, R., Flores, J., Rica, R.K., Pineda, H., & Rizon, V.,
Cebuanos' Household Water Resource Management: Basis for Policy Formulation.
USISA Research Journal, 2002, 6:39-65.

1999

Juario, J.V., Silapan, J.R., & Ontoy, D.S., An Assessment of Toxicity Tests That Use
Chanos chanos fry and *Penaeus monodon* postlarvae. ASEAN Marine
Environmental Management Towards Sustainable Development and Integrated
Management of the Marine Environment in ASEAN (Eds.: I. Watson, G. Virgers, K.
Ong, C. McPherson, N. Wilson, A. Tang, and D. Gass) Proceedings of the ACCPMS-
II Conference, 1999:55-62.

Name Ernestina Mateo Peralta

Gender Female

Organizational Affiliations

University Research Associate I, Institute of Fish Processing Technology, College of Fisheries and Ocean Studies, University of the Philippines Visayas, Miag-ao, Iloilo

Education

Master of Science in Fisheries major in Fish Processing Technology, University of the Philippines Visayas, Miag-ao, Iloilo 2003

Bachelor of Science in Fisheries major in Fish Processing Technology, University of the Philippines, Diliman, Quezon City

Fields of Specialization

Fish Post Harvest Technology

Product Research and Development

Product Quality and Safety

Bioactivity assay (Antioxidant Activity)

Employment

University Research Associate I, University of the Philippines in the Visayas, Miagao, Iloilo, August 1994-present

(Part time Administrative function) Assistant to the Director, Analytical Services, IFPT-CFOS, UP Visayas, 1999-present

(Technical Consultant) Development of Depuration and Relaying Techniques for Philippine Green Mussels (*Perna viridis*), IFPT-CFOS, UP Visayas, 14 July 2014-31 December 2015

(Technical Consultant) Processing and Packaging of Fish Balls For the Anilao Fish Processors Association, Iloilo, CFOS - Food and Agriculture Organization Livelihood Project, May 2005-October 2005

(Technical Consultant) Shrimp Paste Processing and Packaging for the Fishers in Sitio Laminato, Barotac Nuevo, CFOS - Food and Agriculture Organization Livelihood Project, May 2005-October 2005

(Part time Administrative function) Assistant to the Director on Institute's Academic Affairs, UP Visayas

(Part time Administrative function) Chemical and Microbiological Analyst, Analytical Services Laboratory (Chemical and Microbiological Analysis of Fish and Fishery Products)

Association Membership

Member, National Research Council of the Philippines

Member, Philippine Society of Microbiology

Member, U.P. College of Fisheries Alumni Association

Member, U.P. Aquaculture Society

Member, U.P. Fish Processing Technology Alumni Association

Honors / Awards

Evaluation of the Antioxidant Activity of Philippine Salt-Fermented Shrimp Paste (2 years), JSPS Research Exchange Program, Miyazaki Japan 2006, 2007

Chancellor's Award for Outstanding Performance (REPS), University of the Philippines Visayas, Iloilo 2009 July 29

Trainings

Training on Fishery Product Development for Kenyan Participants, Institute of Fish Processing Technology, College of Fisheries and Ocean Sciences UP Visayas 2014 June 16-July 26

Quality and Safety of Fish and Other Aquatic Organisms from Oil-Contaminated areas in Guimaras, Public Lecture Forum on the Results of the Five-Year Monitoring and Rehabilitation Program of UPV Marine Biological Station, Taklong Island Guimaras, Guimaras Philippines 2013 May 28-30

Summer Internship Program, College of Fisheries and Ocean Sciences, UP Visayas 2013 April 22-May 17

Processing of Fish Value-Added Products, MAO- Training Center, Miag-ao Iloilo 2013 March 9

Community-based Postharvest Fisheries Technology Transfer Program, A DA-BAR Funded Project, Carles, Iloilo 2012 March-June 2013

Milkfish processing and Introduction to Entrepreneurship, IFPT-CFOS UPV Miag-ao Iloilo 2012 December 11-13

1st International Training Course on Food Safety of Aquaculture Products, SEAFDEC, Tigabuan Iloilo 2012 November 14

Food Safety Education: Basic Sanitary and Hygienic Handling of Fish and Fishery Products, SOTECH-OCEP-Iloilo City Health Office, Iloilo City Hall, Iloilo City 2012 October 25

Strategic Planning Workshop, CFOS - UPV Iloilo City 2012 September 26-28

Training of Trainers on Fisheries Postharvest and Marketing: Package 3 - Process of smoke-curing small pelagics and deboned milkfish, Regional Fisheries Livelihoods Programme for South and Southeast Asia Philippines, FAO-AECID, Dipolog city Zamboanga del Norte 2011 July 4-6

Roundtable Discussion on the Integration of Studies Conducted by UPV and UP Diliman on the Solar 1 Oil Spill, OSRP-UPV Iloilo City 2011 July 30

Determination of Histamine from Tuna Samples (F245), IFPT-CFOS Miag-ao Iloilo 2011 June 24-July 1

Relationship between antioxidant activity and browning, as index of Maillard Reaction Products (MRPs) in Philippine fish sauce, UPV In-house Research Review UPV Umali Hall 2010 October 5-6

FishLink 2010: Making Small Scale Fisheries Viable, UP-AQUASOC Inc., Iloilo 2010 September 21-23

Retraining of IFPT REPS and Laboratory Staff, IFPT-CFOS UPV Miag-ao Iloilo 2009 November 16-19

Deboning and Smoking of Bangus, IFPT-CFOS UPV Miag-ao 2009 October 21-23

Milkfish Deboning, IFPT-CFOS, UPV 2008 December 4 and 10

Milkfish Deboning, IFPT-CFOS, UPV

HACCP Training, IFPT-CFOS, UPV 2008 October 28-30

Fish Processing Training, DTI and Association of Negros Occidental Food Processors (ANOFF) Bacolod City, Negros Occidental 2008 May 28-29

Effects of Prolonged Fermentation on the Natural Antioxidants in Salt-Fermented Shrimp Paste, UPV In-House research Review, UPV Miag-ao Iloilo 2007 November 28-29

Antioxidative activities and nutritional components of Philippine salt-fermented shrimp paste and its variation during prolong fermentation, Seminar on the management of inshore environment and utilization of fisheries resources, JSPS-UPV CUP, Kagoshima University Kagoshima Japan 2007 November 16-18

FishLink2007: Towards Responsible Aquaculture, UP-AQUASOC Inc., Iloilo 2007 May 17-19

Short Term Training Package on Packaging & Labeling of Fish Food Products, IFPT-CFOS, UPV Mig-ao Iloilo 2007 May 10-11

Special Science Program for UPHS Students Internship, IFPT-CFOS, UPV Maig-ao Iloilo 2007 April 25-May 23

Histamine in Deboned Milkfish', 2006 National Fisheries Research Symposium: Towards Best Practices in Fisheries, CFOS-UPV Iloilo City 2006 October 23-24

Histamine in Deboned Milkfish, Kapihan sa IFPT, IFPT-CFOS, UP Visayas Miag-ao Iloilo 2006 October 16

Changes in Antioxidative Activity and Components of Salt-Fermented Shrimp Paste at Prolong Fermentation, International Forum on Coastal Environment and Utilization of Fisheries Resources, JSPS-UPV Iloilo City 2006 September 13-14

Quality changes of vacuum packaged smoked deboned milkfish stored at refrigerated temperature, JBLCF-Bacolod Research Colloquium, Bacolod City 2006 May 30

Short Term Training Package on Microbiology, IFPT-CFOS, UPV Iloilo 2006 May 17-19

Special Science Program for UPHS Students Internship, IFPT-CFOS, UPV Maig-ao Iloilo 2006 April 26-May 24

Short Term Training Package on Milkfish Processing, IFPT-CFOS, UPV Iloilo 2006 April 5-7

Changes in Microbial Flora of Vacuum-Packed Deboned Milkfish, PSM-Visayas Chapter Annual Meeting and Regional Scientific Convention, University of San Carlos, Cebu City 2005 December 8-9

Training on Good Manufacturing Practices for the Anilao Fish Processors Association, Anilao Iloilo 2005 October 10

Changes in Microbial Flora of Vacuum-Packaged Smoked Deboned Milkfish, 1st Graduate Research Conference, UPV Iloilo City 2005 September 24

Product safety and quality improvement of dried-salted sardines production, San Jose, Antique 2005 June 23-24

Short term Training Program/Package for Faculty Members and Graduate Students of the Zamboanga State College of Marine Science and Technology, IFPT-CFODS, UPV Miag-ao 2005 May 11-20

Training Workshop on Social Analysis for/in Coastal Communities, IFPDS, CFOS-UPV, Iloilo City 2005 February 21-25

Training on Shrimp Paste Value-Addition and Packaging for Lamintao Fisher Folks,

Researches

Completed

Handling Protocols and Value Chain Analysis for Fresh Chilled/ Frozen Penaid Shrimp

Effect of Vacuum Packaging on the Storage Stability of Smoked Boneless Bangus Stored at Refrigerated Temperature

Development of Quality Criteria and Process Standards for Cured and Fermented Fish and Fishery Products

Process Modifications in the Production Smoked De-boned Milkfish and Its Safety Concerns

Effect of Prolonged Fermentation on the Natural Antioxidants in Shrimp Paste

Evaluation of Production Technology, Product Quality and Market Potential in the Mariculture of Oysters and Mussels

Evaluation of Production Technology, Product Quality and Market Potential for the Development of Bivalve Mollusc Aquaculture in the Philippines

Community-based Post Harvest Fisheries Technology Transfer program

Natural Antioxidant Functionality in During Processing of Low Salt-Fermented Shrimp Past

PAHs Level Monitoring in Bivalves and its Marine Environment from Oil-spill Affected Areas in Guimaras Oil Spill Response Program

Relationship Between Antioxidant Activity and Browning, as Index of Maillard Reaction Products (MRPs), in Philippine Fish Sauce

Impact of Oil Sill-Affected Marine Environment on the Food Safety and Quality of Aquatic Organisms

Ongoing

Value chain analysis of the blue swimming crab fisheries in the Philippines for improved industry performance

Establishment of sanitary quality of oysters and their culture environment

Histamine accumulation and control measures along the supply chain of traditional dried-salted fish and fishery products

Development of Oyster Powder for Use as Ingredient and Condiment

Papers Presented

- 2014 Peralta, E.M. (2014). PAHs Level Monitoring in Bivalves and Its Marine Environment from Oil Spill Affected Areas in Guimaras, International Scientific Conference on Fisheries and Aquatic Sciences: Towards Disaster and Climate Resilience, Iloilo City.
- 2012 Peralta, E.M. (2012). PAHs Level Monitoring in Bivalves and Its Marine Environment from Oil Spill Affected Areas in Guimaras, Final Seminar "Reduction of Neagtive Impacts on Fisheries Resources in Southeast Asia." UPV Oil Spill Response Program – Kagoshima University-DOST-Japan Society for Promotion of Science Core. Iloilo City, Iloilo Philippines.
- 2012 Peralta, E.M. (2012). Relationship of Antioxidant Activity and Browning in Philippine Fish Sauce, 68th CFOS Foundation Week, UPV Miag-ao.
- 2011 Peralta, E.M. (2011). Evalaution of Production Technology, Product Quality and market Potential in mariculuture of Oysters and Mussels, UPV In-House Review.
- 2011 Peralta, E.M. (2011). Microbiological, Histamine levels and Sensory Evaluation of Smoked De-bone Milkfish with out Pre-cooking, CFOS 67th Foundation Week, UPV Miag-ao.
- 2011 Peralta, E.M. (2011). Relationship of Antioxidant Activity and Browning in Philippine Fish Sauce, CFOS 67th Foundation Week, UPV Miag-ao.
- 2010 Peralta, E.M. (2010). Relationship between antioxidant activity and browning, as index of Maillard Reaction Products (MRPs) in Philippine fish sauce, UPV In-house Research Review UPV Umali Hall.
- 2010 Peralta, E.M. (2010). Relationship of Antioxidant activity and browning, as index of Maillard Reaction Rroducts (MRPs), in Philippine fish sauce, 15th Visayas Zonal Network R&D symposium and Road-mapping, Cebu City.
- 2009 Peralta, E.M. (2009). Process modification in the production of Smoked De-boned Milkfish and its safety concerns, UPV In-House Review.
- 2008 Peralta, E.M. (2008). Effects of prolonged fermentation on the natural antioxidants in shrimp paste, 10th Foundation year Anniversary of UPV-NIMMB, UPV Miag-ao Iloilo.
- 2008 Peralta, E.M. (2008). Impact of Oil-Spill Affected Marine Environment on the Food Safety and Quality of Aquatic Organisms, 2nd National Conference on the Solar I Oil Spill: Two years after... where are we now? UPV Iloilo City.
- 2007 Peralta, E.M. (2007). Effects of Prolonged Fermentation on the Natural Antioxidants in Salt-Fermented Shrimp Paste, UPV In-House Research Review, UPV Miag-ao Iloilo.
- 2007 Peralta, E.M. (2007). Antioxidative activities and nutritional components of Philippine salt-fermented shrimp paste and its variation during prolong fermentation, Seminar on the management of inshore environment and utilization of fisheries resources, JSPS-UPV CUP, Kagoshima University Kagoshima Japan.
- 2007 Peralta, E.M. (2007). "Effect of Prolonged Fermentation on the Natural Antioxidants in Shrimp (*Acetes* sp) paste" and "Development of Quality Standards and Process Standards for Cured and Fermented Fishery Products", 63rd Foundation Anniversary and Grand CFOS Alumni Homecoming, UPV Miag-ao Iloilo.
- 2006 Peralta, E.M. (2006). Histamine in Deboned Milkfish, 2006 National Fisheries

Research Symposium: Towards Best Practices in Fisheries, CFOS-UPV Iloilo City.

- 2006 Peralta, E.M. (2006). Histamine in Deboned Milkfish, Kapihan sa IFPT, IFPT-CFOS UPV Miag-ao Iloilo.
- 2006 Peralta, E.M. (2006). Changes in Antioxidative Activity and Components of Salt-Fermented Shrimp Paste at Prolong Fermentation, International Forum on Coastal Environment and Utilization of Fisheries Resources, JSPS-UPV Iloilo City.
- 2006 Peralta, E.M. (2006). Quality changes of vacuum packaged smoked deboned milkfish stored at refrigerated temperature, JBLCF-Bacolod Research Colloquium, Bacolod City.
- 2006 Peralta, E.M. (2006). Antioxidant Activity and Nutritional Components of Philippine Salt-Fermented Shrimp Paste, International Forum on Coastal Environment and Utilization of Fisheries Resources, JSPS-UPV Iloilo City.
- 2006 Peralta, E.M. (2006). Histamine Development in Deboned Milkfish Stored at Ambient Temperature, 59th Anniversary Celebration of the UPV Presence in Iloilo, UPV Iloilo city.
- 2006 Peralta, E.M. (2006). Effect of Prolonged Fermentation on the Natural Antioxidants in Shrimp (*Acetes sp*) paste, 59th Anniversary Celebration of the UPV Presence in Iloilo, UPV Iloilo city.
- 2006 Peralta, E.M. (2006). Development of Quality Standards and Process Standards for Cured and Fermented Fishery Products, 59th Anniversary Celebration of the UPV Presence in Iloilo, UPV Iloilo city.
- 2005 Peralta, E.M. (2005). Changes in Microbial Flora of Vacuum-Packed Deboned Milkfish, PSM-Visayas Chapter Annual Meeting and Regional Scientific Convention, University of San Carlos, Cebu City.
- 2005 Peralta, E.M. (2005). Changes in Microbial Flora of Vacuum-Packaged Smoked Deboned Milkfish, 1st Graduate Research Conference, UPV Iloilo City.

Publications

- 2015 Peralta, E.M., & Serrano, A.E., Jr., Histamine formation and microbiological quality of deboned milkfish (*Chanos chanos*) during ambient storage. *Extreme Life, Biospeology & Astrobiology - International Journal of the Bioflux Society (ELBA Bioflux)*, 2015, 7(1):1-9.
- Serrano, A.E., Jr., & Peralta, E.M., The effects of temperature, pH and metal ions on alpha amylase activity of the brine shrimp *Artemia salina*. *Extreme Life, Biospeology & Astrobiology - International Journal of the Bioflux Society (ELBA Bioflux)*, 2015, 7(2):77-86.
- 2014 Andalecio, M.N., Duncan, P.F., Peralta, E.M., Napata, R.P., & Laureta, L.V., Consumer behavior towards cultured oyster and mussel in Western Visayas, Philippines. *Aquaculture, Aquarium, Conservation & Legislation - International Journal of the Bioflux Society (AACL Bioflux)*, 2014, 7(2):116-136.
- Peralta, E.M., & Serrano, A.E., Jr., Activity of naturally occurring antioxidants during heat processing of low-salt fermented shrimp paste. *Animal Biology & Animal Husbandry - International Journal of the Bioflux Society (ABAH Bioflux)*, 2014, 6(1):27-33.
- Peralta, E.M., & Serrano, A.E., Jr., Polycyclic aromatic hydrocarbons (PAHs) in mangrove clam (*Geliona erosa*) from Guimaras, Philippines five years after oil spill. *Advances in Environmental Sciences - International Journal of the Bioflux Society*

- (AES Bioflux), 2014, 6(1):62-68.
- 2011 Peralta, E.M., & Andalecio, M.N., Microbiological Quality of Oyster (*Crassostrea* sp) and Mussel (*Perna viridis*) in Selected Growing Areas in Western Visayas, Philippines. *Philippine Journal of Natural Sciences*, 2011, 16(1):1-8.
- 2010 Peralta, E.M., Relationship of Antioxidant Activity and Browning, as index of Maillard Reaction Products (MRPs), in Philippines Fish Sauce. *UPV Journal of Natural Science*, 2010, 15(2):75-80.
- 2009 Peralta, E.M., & Pamos, G., Microbiological and sensory evaluation of smoked de-boned milkfish without pre-cooking. *UPV Journal of Natural Sciences*, 2009, 14(2):92-98.
- Duncan, P.F., Andalecio, M.N., Peralta, E.M., Laureta, L., Hidalgo, A.R., & Napata, R., Evaluation of production technology, product quality and market potential for the development of bivalve mollusc aquaculture in the Philippines. *Australian Centre for International Agricultural Research (ACIAR)*, 2009.
- 2008 Peralta, E.M., Antioxidant activity and sensory quality of Philippine shrimp paste during fermentation. *UPV Journal of Natural Science*, 2008, 13:35-43.
- Peralta, E.M., Hatate, H., Kawabe, D., Kuwahara, R., Wakamatsu, S., Yuki, T., & Murata, H., Improving antioxidant activity and nutritional components of Philippine Salt-fermented shrimp paste through prolonged fermentation. *Food Chemistry*, 2008, 111:72-79.
- 2007 Peralta, E.M., Hatate, H., Kawabe, D., Shimoda, E., Wakamatsu, S., Yuki, T., & Murata, H., Changes in antioxidant activities and components of salt-fermented shrimp paste at prolong fermentation. *UPV Journal of Natural Science*, 2007, 12(1).
- 2006 Hatate, H., Peralta, E.M., Murata, H., Hama, Y., Tanaka, R., & Hatate, Y., Antioxidant activity and nutritional components in Philippine salt-ferment shrimp paste and their variation with prolonged fermentation (Abstract). *A Proceeding of 2006 Japan/Taiwan/ Korea Chemical Engineering Conference: Fundamentals and Applications*, Kagoshima University, Kagoshima Japan, 2006.
- 2005 Peralta, E.M., Hatate, H., Watanabe, D., Kawabe, D., Murata, H., Hama, Y., & Tanaka, R., Antioxidative Activity of Philippine Salt-Fermented Shrimp and Variation of its Constituents during Fermentation. *Journal of Oleo Science*, 2005, 54(10):553-558.
- Peralta, E.M., & Olympia, M., Quality changes in vacuum packed smoked de-boned milkfish stored at refrigerated temperature. *UPV Journal of Natural Science*, 2005, 10:233-240.
- 1998 Peralta, E.M., *Ang Pagtitinapa ng Isda. Batayang Proseso sa Produksiyon ng Isda* (J. Peralta & A Hidalgo, eds), Sentro ng Wikang Filipino, 1998.

Name Stella Peralta-Go

Gender Female

Education

Doctor of Philosophy in Psychology, Ateneo De Manila University, Loyola Heights, Quezon City 1108 1984

Fields of Specialization

Psychology

International Labor Migration

Employment

Convenor, Philippine Migration Research Network, 2013-present

Graduate Program Coordinator, Behavioral Sciences Department, De La Salle University, May 2012-September 2012

Deputy Secretary General for External Affairs, Philippine Migration Research Network, 2010-2012

Chairperson, Behavioral Sciences Department, De La Salle University, May 2009-May 2012

Chairperson, Executive Committee, Philippine Migration Research Network, 2001-2010

Regional Deputy Chair for Southeast Asia, Asia-Pacific Migration Research Network, 2001-2004

Associate Professor, Behavioral Sciences Department, De La Salle University, June 1, 1980-January 9, 2013

Association Membership

Board Member, Philippine Sociological Society

Member, Board of Trustees, Philippine Population Association

Secretary, Philippine Sociological Society

Member, Governing Board, Philippine Sociological Society

Member, Governing Council, Philippine Social Science Council

Vice-Chairperson, Executive Committee, Philippine Migration Research Network

Secretary, Division VIII (Social Sciences), National Research Council of the Philippines

Member, International Union for the Scientific Study of Population (IUSSP)

Member, Asian Population Association

Member, Pi Gamma Mu (Beta Chapter)

Member, National Research Council of the Philippines

Member, Philippine Population Association

Member, Pambansang Samahan sa Sikolohiyang Pilipino (National Association in Filipino Psychology)

Philippine country expert, Organisation for Economic Cooperation and Development (OECD)

Philippine country expert, International Organization for Migration (IOM)

Philippine country expert, International Food Policy Research Institute (IFPRI)

Philippine country expert, UN-ESCAP

Philippine country expert, UNCRD

Researches

Completed

Review of return and reintegration policies and services in countries of origin and destination in Asia and development of Model reintegration services – The Philippines

Crossnational Labour Migration in Asia and Regional Development Planning

Regional Development Impacts of Labour Migration in Asia

Young people, their values and beliefs concerning marriage and the family

Working in Japan: The Experience of Filipino Overseas Contract Workers

Review of Research on the Family in Asia

Organizational Issues in Community Participation in the Context of the National Family Planning Programmes

Returning Filipino Overseas Contract Workers: The Case of Barangay Vergara

Effects of International Contract Labor (Philippines)

Participatory (Basic) Urban Services

Labour Migration to South Korea: The Philippine Case

Policy Impacts Project (PIP)

Building Databases/Information Systems for Conservation Management of the Rice Terraces of the Philippines Cordilleras

Rapid Assessment of Return Trends of Filipino Nationals in Europe including Victims of Labour Exploitation and Reintegration Practices and Service Delivery in the Philippines

International Labor Migration and Remittances: A Cross-country project that includes the Philippines, Nepal, and Pakistan

Return Migration to the Philippines

Filipino Migrant Families (FMF)

International Migration and Labour Markets in Asia

Foreign Students in the Philippines. Part of the project on Transnational Communities in the Philippines which looks into various foreign communities in the Philippines (Vietnamese, Japanese, Koreans, and Foreign Students).

The Southeast Asian Conflict Studies Network (SEACSN) Conflict Mapping Project

International Labor Migration and Reproductive Health: A Review

Basic Services for the Urban Poor

Publications

- 2012 Peralta-Go, S., The Philippines and return migration: Rapid appraisal of the return and reintegration policies and service delivery. Manila: International Labour Organization, 2012.
- 2009 Peralta-Go, S., Working in Italy: the experience of Filipino migrant workers and their families. IOM (ed.). Gender and Labour Migration in Asia. Geneva: Switzerland, 2009:153-191.
- 2005 Peralta-Go, S., Immigration and Asylum: From 1900 to the Present. Filipino diaspora. In Matthew J. Gibney & Randall Hansen, eds. Oxford: ABC-CLIO., 2005.
- 2004 Peralta-Go, S., Fighting for the rights of migrant workers: The case of the Philippines. Migration for Employment – Bilateral Agreements at a Crossroads. Paris: Organization for Economic Co-operation and Development (OECD), 2004:187-202.
Peralta-Go, S., Iredale, R., et al., Migration research and migration policy making: a study of the Australia, the Philippines and Thailand. International Social Science Journal, 2004, 56(1):115-134.
- 2003 Peralta-Go, S., Recent trends in migration movements and policies: The movement of Filipino professionals and managers. Migration and the Labour Market in Asia: Recent Trends and Policies. Paris: Organization for Economic Co-operation and Development (OECD), 2003.
- 2002 Peralta-Go, S., Iredale, R., et al., Migration research and policy landscape: case studies of Australia, the Philippines and Thailand. Asia-Pacific Migration Research Network (APMRN) Working Paper No. 9. Wollongong: APMRN Secretariat, Centre for Asia Pacific Social Transformation Studies, University of Wollongong, 2002.
Peralta-Go, S., The Philippines. Migration and the Labour Market in Asia: Recent Trends and Policies. Paris: Organisation for Economic Co-operation and Development (OECD), 2002.
- 2001 Peralta-Go, S., International labor migration and the Filipino family: Examining the social dimensions. Asian Migrant, 2001, XIV(4):103-109.
Peralta-Go, S., The Asian crisis and Philippine labour migration: The pre- and post-crisis situations. International Migration in Asia: Trends and Policies. Paris: Organisation for Economic Co-operation and Development (OECD), 2001.
- 1999 Peralta-Go, S., The Asian crisis and Philippine labour migration. Labour Migration and the Recent Financial Crisis in Asia. Paris: Organisation for Economic Cooperation and Development (OECD), 1999.
- 1998 Peralta-Go, S., Towards the 21st century: Whither Philippine labor migration. In Benjamin V. Carino (ed.), Filipinos on the Move: Trends, Dilemmas and Policy Options. Quezon City: Philippine Migration Research Network (PMRN) and Philippine Social Science Council (PSSC), 1998.
Peralta-Go, S., The Philippines: a look at the migration scenario in the nineties. Migration and Regional Economic Integration in Asia. Paris: Organisation for Economic Co-operation and Development (OECD), 1998.
- 1997 Peralta-Go, S., Labour migration to South Korea: The case of Philippine workers. In Daljit Singh, and Reza Y. Siregar, (eds.), Asean and Korea: Trends in Economic and Labour Relations. Singapore: Institute of Southeast Asian Studies, 1997.
- 1996 Peralta-Go, S., Emigration pressures and the export of labour from the Philippines. Migration and the Labour Market in Asia: Prospects to the Year 2000. Paris: Organisation

- for Economic Co-operation and Development (OECD), 1996.
- 1995 Peralta-Go, S., Of barangays, institutional mechanisms, and international labour migration: The Philippine experience. *Cross-National Labour Migration in Asia and Regional Development Planning: Implications for Local-Level Management*, UNCRD Research Report Series No. 10. Nagoya, Japan: United Nations Centre for Regional Development (UNCRD). Also in *Regional Development Di*, 1995, 16(1):160-168.
- 1994 Peralta-Go, S., Labour migration from the Philippines to Asian countries. In Wilbert Gooneratne, Philip L. Martin, and Hidehiko Sazanami (eds.), *Regional Development Impacts of Labour Migration in Asia*. UNCRD Research Report Series No. 2. Nagoya, Japan: United Nations Centre for Regional Development (UNCRD), 1994.
- Peralta-Go, S., The present and the future of the family in the Philippines. *International Journal of World Peace*, 1994, 11(4):60-75.
- Peralta-Go, S., Working in Japan: The experience of Filipino overseas contract workers. *Kyoto Conference on Japanese Studies*, Vol. 4. Kyoto: International Research Center for Japanese Studies and the Japan Foundation, 1994.
- Peralta-Go, S., The socio-cultural context of family planning in the Philippines. *UNESCO Meeting On the Socio-cultural Context of Family Planning in Asia*, Final Report. Yogyakarta, Indonesia, 1994.
- 1993 Peralta-Go, S., The Filipino Family in the Eighties. Manila: Social Development Research Center. Also in UNESCO, *The Changing Family in Asia*. UNESCO RUSHSAP Series on Monographs and Occasional Paper, No. 35. Bangkok: UNESCO, 1992, 1993.
- 1992 Peralta-Go, S., (editor) *A Guide to Writing and Evaluating Social Science Theses*. Manila: De La Salle University Press, 1992.
- Peralta-Go, S., General guide to thesis writing. In Stella P. Go (ed.), *A Guide to Writing and Evaluating Social Science Theses*. Manila: De La Salle University Press, 1992.
- Peralta-Go, S., The state-of-the art report with a classified annotated bibliography. In Stella P. Go (ed.), *A Guide to Writing and Evaluating Social Science Theses*. Manila: De La Salle University Press, 1992.
- 1989 Peralta-Go, S., Community Participation in the Family Planning Program of the Philippines: Some Organizational Issues. *RC-DLSU Research Report No. 8*. Manila: De La Salle University Press, 1989.
- 1986 Peralta-Go, S., Returning Filipino overseas contract workers: The case of Barangay Vergara. *Returning Migrant Workers: Exploratory Studies*. Asian Population Studies Series No. 79. Bangkok, Thailand: United Nations Economic and Social Commission for Asia and the Pacific (UN-ESCAP). Also in W. Villacorta, I. Cruz, and L. Brillantes (eds.), Manila, 1986.
- Peralta-Go, S., & Postrado, L., Filipino overseas contract workers: Their families and communities. In Fred Arnold and Nasra Shah (eds.), *Asian Labor Migration: Pipeline to the Middle East*. Boulder, Colorado: Westview Press, 1986.
- Peralta-Go, S., A community level study. *Philippine Labor Review*, 1986, 9(1):51-58.
- Peralta-Go, S., Laquian, A., & Lamberte, E., Leveriza: towards a participatory approach in basic services delivery. In Trinidad Osteria and Jonathan Okamura (eds.), *Participatory Approaches to Development: Experiences in the Philippines*. Manila: DLSU Research Center, 1986.
- 1985 Peralta-Go, S., & Bautista, M.L.S., *Introduction to Qualitative Research Methods*. Manila: DLSU Research Center, 1985.
- 1984 Peralta-Go, S., The migration of women to cities: A comparative perspective. In James T. Fawcett, Siew Ean Khoo and Peter C. Smith (eds.), *Women in the Cities of Asia: Female Labor Migration and Urban Adaptation*. Boulder, Colorado: Westview Press, 1984.
- Peralta-Go, S., The church, the government and Philippine population policy: conflict or congruence? In Franco Biffi (ed.), *Demographic Policies from a Christian Point of View*.

Rome: Herder, 1984.

- 1983 Peralta-Go, S., & Postrado, L., The Effects of International Contract Labour (Philippines). Manila: Integrated Research Center, De La Salle University. Final report submitted to the International Development Research Centre (IDRC), Canada, 1983.
- 1982 Peralta-Go, S., Laquian, A., & Ellevera, E., Leveriza: towards a "cooperative management model" of basic services delivery. *Dialogue*, 1982, 27(2):1-20.

Name Lorna F. Ramos-Abad

Gender Female

Organizational Affiliations

Endocrinology Consultant, Philippine Children's Medical Center, Diliman, Quezon City

Endocrinology Consultant, St. Luke's Medical Center, 279 E. Rodriguez Sr. Blvd., Eulogio Rodriguez, Quezon City

Endocrinology Consultant, Philippine General Hospital, Ermita, Manila

Professor 6, Dept. of Pediatrics, University of the Philippines-Philippine General Hospital (UP-PGH), Ermita, Manila

Education

Endocrine Fellowship, University of Birmingham, England, Edgbaston, Birmingham, West Midlands B15 2TT, United Kingdom 1987 April - August 1988

Doctor of Medicine, University of the Philippines, 547 Pedro Gil St., Ermita, Manila 1980

College, University of the Philippines, Diliman, Quezon City 1975

Fields of Specialization

Pediatrics

Endocrinology

Diabetes Pediatric Endocrine Disorders

Employment

Intern, University of the Philippines - Philippine General Hospital (UP-PGH), May 1980-April 1981

Residency Training (Chief Resident, 1985), University of the Philippines-Philippine General Hospital (UP-PGH)

Endocrinology Consultant, Philippine Children's Medical Center

Endocrinology Consultant, St. Luke's Medical Center

Endocrinology Consultant, Philippine General Hospital

Association Membership

Regular Member, National Research Council of the Philippines

Honors / Awards

1st Place Poster Presentation (Thyroid Autoimmunity Among Children with Type 1 Diabetes Mellitus), UP-PGH Pediatrics Department Research Contest 2004

Finalist (Thyroid Autoimmunity Among Children with Type 1 Diabetes Mellitus), UP-PGH Fellows Oral Research Presentation 2004

2nd Place Poster Presentation (Quality of Life and Metabolic Control Among Filipino Adolescents with Type 1 Diabetes), UP-PGH Pediatrics Department Research

Contest 2002

Researches

Completed

Accuracy of Palpation in the Assessment of Goiter Size

Vitamin D Levels of children and adolescents with type 1 diabetes mellitus

Pheochromocytoma Presenting as Hypotension in a 12 year old Female

Pseudo-Precocious Puberty in a 3-year old girl

Diabetes Mellitus in a Child with Beta-Thalassemia

Prevalence of Non-Classical Congenital Adrenal Hyperplasia Among Infants Positive for CAH on Newborn /screening: A Cross Sectional Study

Frequency of Glutamic Acid Dehydrogenase antibodies among Pediatric Filipino Type 1 Diabetes Mellitus

Pre- and Post-op Serum Na levels in Patients with Sellar Masses

Factors Affecting Normalization of TSH in Patients Treated for Congenital Hypothyroidism

Clinical Outcome of Pediatric Patients with Nodular Goiter seen at a tertiary government Hospital

Thyroid Autoimmunity Among Children with Type 1 Diabetes Mellitus

Waist-Height Ratio and Dyslipidemia Among Obese Adolescents

Quality of Life and Metabolic Control Among Filipino Adolescents with Type 1 Diabetes Mellitus

Prevalence of Etiology of Goiter Among Adolescents at the PGH OPD

Tuberculous Infection Among Filipino Children with Type 1 Diabetes Mellitus

Ongoing

Prevalence of Non-Classical Congenital Adrenal Hyperplasia Among Patients Aged 0 to 18 years Tested Positive through Newborn Screening

Clinical Profile and Outcomes of Children with Graves Disease Seen at Philippine Children's Medical Center Out Patient Department from 2003-2013

Papers Presented

- 2010 Dion-Berbo, A.G., Abad, L.R., Esquejo, A.L., & Chiong, M.A.D. (2010). Ring Chromosome 10 in a Filipino Child: A Case Report and Review of Literature, International Conference of Human Genetics, Hongkong.
- 2010 Pangilinan, C., Chan-Cua, S., & Abad, L.R. (2010). Insulinoma Presenting as Hypersomnolence, Asia-Pacific Pediatric Endocrine Societies' Meeting, Xi'an, China.
- 2004 Du, E.C., Cua, S.C., & Abad, L.R. (2004). Pancreatic Tail mass and hypoglycemia in a 13 year old male Filipino: A case Report, 3rd biennial Meeting of the Asia Pacific Endocrine Society (APPES) and printed in the Book of Abstracts.
- 2002 Orceno, L., & Abad, L.R. (2002). Hearing Loss Among Patients with Congenital Hypothyroidism, Asia-Pacific Pediatric endocrine Societies' 2nd Biennial Meeting,

Cairns International Convention Center, Cairns, Queensland, Australia.

- 2002 Abad, L.R. (2002). Prevalence of the Etiology of Goiter Among Adolescents with Diffuse Non-toxic Goiter, Asia-Pacific Pediatric Endocrine Societies' 2nd Biennial Meeting, Cairns International Convention Center, Cairns, Queensland, Australia.

Publications

- 2013 Salud, J.L.M.F., & Ramos-Abad, L., A pilot study on the effect of three hydrocortisone dosing regimen on 17 hydroxyprogesterone levels in patients with congenital adrenal hyperplasia. *International Journal of Pediatric Endocrinology*, 2013(Suppl 1):P123.
- 2011 Dion-Berbozo, A.G., Abad, L.R., Esquejo, A.L., & Chiong, M.A.D., Ring Chromosome 10 in a Filipino Child: A Case Report and Review of Literature. *Acta Medica Philippina*, 2011, 45(4):66-69.
- 2009 Almirante, C.Y., Atencio, F.P., De Guia, B.C., Ramos-Abad, L.F., Sison-Aguilar, A.G., Dimatulac-Aherrera, A., Bernardino, M.S.C., Bolong, D.T., Miguel-Butaran, M., Sazon-Carlos, D.G., Cutiongco-Dela Paz, E.M., Hipolito-Nancho, R.M., Madrid, B.J., Berbano-Tamesis, A., Sapaula, M.S., & Tan, M.P., Delayed Puberty. *Atlas of Pediatric and Adolescent Gynecology*, 2009.
- Almirante, C.Y., Atencio, F.P., De Guia, B.C., Ramos-Abad, L.F., Sison-Aguilar, A.G., Dimatulac-Aherrera, A., Bernardino, M.S.C., Bolong, D.T., Miguel-Butaran, M., Sazon-Carlos, D.G., Cutiongco-Dela Paz, E.M., Hipolito-Nancho, R.M., Madrid, B.J., Berbano-Tamesis, A., Sapaula, M.S., & Tan, M.P., Hyperandrogenism in the Adolescent. *Atlas of Pediatric and Adolescent Gynecology*, 2009.
- 1997 De Guia, B.C., & Ramos-Abad, L., Misoprostol (Prostaglandin E1) versus dinoprostone (Prostaglandin E2) in cervical ripening for labor induction: A meta-analysis. *The UP Manila Journal*, 1997, 3(1):31-42.

Name Richel E. Relox

Gender Female

Education

Doctor of Philosophy in Environmental Science (Specialization: Natural Resources Conservation and Wildlife Studies), University of the Philippines Los Baños, College, Laguna 2014

Master of Science in Environmental Science (Specialization: Environmental Biology-Wildlife Studies), University of the Philippines Los Baños, College, Laguna 2011

Bachelor of Science in Biology Major in Ecology, University of the Philippines Mindanao, Davao City 2003

Fields of Specialization

Ecology

Biology

Natural Resources Conservation and Wildlife Studies

Environmental Biology - Wildlife Studies

Employment

Lead Researcher/Supervisor, Assumption College of Nabunturan, DENR; Nabunturan Balik-Kinaiyahan Foundation, Compostela Valley, 2011-2012

Graduate Mentoring Assistantship Program; Teaching: Assisted in lecturing, checking of laboratory manuals, and facilitating class in Environmental Biology, Museum Herbarium Curatorship, Veterinary Botany and Phylogeny of Plants and cataloged and update, University of the Philippines Los Baños , 2009-2010

Researcher/Part-Time Instructor; Teaching: Undergraduate courses handled: BS in Agribusiness, Education, Chemistry, Agricultural Engineering and Forestry. Subjects taught: Natural Science, Biology, Botany, Zoology, Chemistry & Analytical Chemistry, Southern Phil. Agribusiness and Marine and Aquatic School of Technology, Digos, Davao del Sur, 2004-2006

Research Associate/Research Assistant, UP Mindanao, Davao City, 2003-2009

Education Officer/On-Call Field Biologist, Philippine Eagle Foundation, Inc., Philippine Eagle Center, Calinan, Davao City, 2003-2006

Association Membership

Regular Member, Phi Kappa Phi Honor Society - UP Chapter

Regular Member, Gamma Sigma Delta Honor Society – UP Chapter

Member, National Research Council of the Philippines

Appointed President, DOST-ASTHRDP Scholars' Association - UPLB

Scientific and Technological Specialist Eligibility, Civil Service Commission

Honors / Awards

DOST-SEI Scholar, Ph.D. in Environmental Science, DOST-SEI

DOST-SEI Scholar, M.S. in Environmental Science, DOST-SEI

SEARCA Thesis Grantee (M.S. degree), SEARCA

Honors List; Finalist for Best Undergraduate Thesis, UP Mindanao

Papers Presented

- 2014 Relox, R.E., & Florece, L.M. (2014). Ecological Responses, Conservation and Management of Fruit Bats in Mt. Kitanglad Range, Bukidnon, Philippines, 3rd National DOST-SEI ASTHRDP Scholars Conference. Traders Hotel, Manila, Philippines.
- 2009 October 26-27 Ates-Camino, F.B., Relox, R.E., Leaño, E.P., Bastian Jr., S.T., Sumile, E.B., & Amoroso, V.B. (2009 October 26-27). Potential Impacts of Climate Change to the Assemblage and Diversity of Mammals, Birds, Reptiles and Amphibians in Mt. Hamiguitan and its Environs, Davao Oriental, Mindanao, Poster Presentation in the Climate Change and Biodiversity, 2nd Regional Symposium and Workshop. Outstanding Young Scientist, Inc., Central Mindanao University, Bukidnon.
- 2004 Abad, R.G., Relox, R.E., & Aterrado, E.D. (2004). Detritivore Complex and Associated Organisms in Breeding Places of the Rhinoceros Beetle, *O. rhinoceros* L., the Key Insect Pest of Coconut, Abstracts of papers presented at the 35th Annual Scientific Conference of the Crop Science Society of the Philippines.

Publications

- 2014 Relox, R.E., Florece, L.M., Baril, J.A., & Coladilla, J.O., Assessment of Fruit Bats and its Food Preferences in Mt. Apo Natural Park, Kidapawan City, North Cotabato, Philippines. *Journal of Environmental Science and Management*, 2014, 17(2):12-20.
- 2012 Quitain, D.J., Suazo, J.M., Relox, R.E., & Leaño, E.P., Assemblage of Aves and Mammals In Mainit Hotspring Protected Landscape, Nabunturan, Mindanao Island, Philippines. *College Research Journal*, 2012, 1(2):45-48.
- 2011 Relox, R.E., Leaño, E.P., & Camino, F.A., Lowland Dipterocarp Forest as Preference of Herpetofaunal Endemism and Diversity in Mt. Hamiguitan, Davao Oriental. *Herpetological Conservation and Biology Journal*. United States of America, 2011.
Relox, R.E., Leaño, E.P., & Camino, F.A., Characterization of the Relationship Between Avifauna and Vegetation in Increasing Slopes of a Tropical Forest in Mt. Hamiguitan, Davao Oriental, Mindanao Island. *Journal of Environmental Science and Management*. Philippines, 2011.
Relox, R.E., Florece, L.M., Baril, J.A., & Coladilla, J.O., Species Composition, Endemism and Diversity of Bats in Mt. Apo Natural Park (MANP), Kidapawan City, North Cotabato, Philippines. *Proceedings: Abstracts in the 20th Annual Philippine Biodiversity Symposium Wildlife Conservation Society of the Philippines*, 2011.
- 2010 Angagan, J.S., Buot, I.E., Relox, R.E., & Rebanco, C.M., Ethnobotany of the Plant Resources in Conner, Apayao, Northern Luzon, Philippines. *Journal of Nature Studies*, 2010.
- 2009 Relox, R.E., & Camino, F.A., Anuran Distribution in Habitat Types of Agusan Marsh. *Proceedings: Abstracts for Poster presentation of the Biodiversity in the Philippine Uplands in the 18th Annual Philippine Biodiversity Symposium*. University of the Philippines-Baguio, 2009.
Relox, R.E., Camino, F.A., Bastian, S.T., & Leaño, E.P., Elevational Gradation of Mammals in a Tropical Forest of Mt. Hamiguitan, Davao Oriental, Mindanao Island. *Journal of Nature Studies*. Philippine Society for the Study of Nature, 2009, 8(1):27-32.
- 2008 Ates, F.B., Relox, R.E., Leaño, E.P., Bastian Jr., S.T., Sumile, E.B., & Amoroso, V.B., Inventory of Mammals, Birds, Reptiles and Amphibians in Mt. Hamiguitan and its

Environs, Davao Oriental, Mindanao Island. Abstracts and Program: Wildlife Conservation Society of the Philippines (WCSP). 17th Annual Philippine Biodiversity Symposium. Human Population Density: Impacts on Biodiversity. Visayas State University, Baybay, Leyte, 2008:38.

Rovillos, K.P., Faldas, S.L., Ates, F.B., & Relox, R.E., Herpetofaunal Diversity in Brgy. Lake Lahit, Municipality of Lake Sebu, South Cotabato, Mindanao. Abstracts and Program: Wildlife Conservation Society of the Philippines (WCSP). 17th Annual Philippine Biodiversity Symposium. Human Population Density: Impacts on Biodiversity. Visayas State University, Baybay, Leyte, 2008:50.

2004 Abad, R.G., Relox, R.E., & Aterrado, E.D., Detritivore Complex and Associated Organisms in Breeding Places of the Rhinoceros Beetle, *O. rhinoceros* L., the Key Insect Pest of Coconut. The Philippine Journal of Crop Science. Crop Science Society of the Philippines, 2004, 29(Supplement):35.

Name Windell L. Rivera

Gender Male

Organizational Affiliations

Professor of Microbiology, Institute of Biology, College of Science, University of the Philippines, Diliman, Quezon City

Director, Natural Sciences Research Institute, University of the Philippines, Diliman, Quezon City

Education

Doctor of Philosophy in Medical Science (Cellular and Molecular Microbiology), Nagasaki University, Japan 1999

Master of Science in Microbiology, University of the Philippines, Diliman, Quezon City 1995

Bachelor of Science in Biology, University of the Philippines Los Baños, College, Laguna 1989

Fields of Specialization

Molecular Microbiology

Immunology

Medical Science

Microbiology

Biology

Employment

Associate Professor of Microbiology, Institute of Biology, College of Science, University of the Philippines, 2008-2013

Visiting Scientist, Department of Protozoology, Institute of Tropical Medicine, Nagasaki University, Japan, June 2001-April 2002

Visiting Scientist, Department of Protozoology, Institute of Tropical Medicine, Nagasaki University, Japan, January 2001-March 2001

Assistant Professor of Microbiology, Institute of Biology, University of the Philippines, 2000-2008

Postdoctoral Research Fellow, Department of Infectious Diseases, Tokai University School of Medicine, Kanagawa, Japan, April 1999-April 2000

Science Research Specialist, Hybridoma Laboratory, Molecular Biology and Biotechnology Program, University of the Philippines

University Research Associate, Cell Biology and Protozoology Lab., Natural Sciences Research Institute, University of the P, 1990-1992

University Research Associate, Marine Biochemistry and Toxinology Laboratory, 1989-1990

Association Membership

Fellow, Philippine Academy of Microbiology
Regular Member, National Research Council of the Philippines
President, Philippine Society for Microbiology, Inc.
Member, Outstanding Young Scientists, Inc.
Founding Member, Philippine Society for Cell Biology
Member, Philippine Society for Biochemistry and Molecular Biology, Inc.
Member, Philippine Society for the Advancement of Science, Inc.
Member, Philippine Association for the Advancement of Science, Inc.
Fellow, The Australasian College of Tropical Medicine
Member, American Society for Microbiology
Member, American Society of Tropical Medicine and Hygiene
Member, Japanese Society of Tropical Medicine
Member, New York Academy of Sciences
Member, Japanese Society of Parasitology
Member, Society of Protozoologists
Member, Phi Sigma Biological Sciences Honor Society
Member, Phi Kappa Phi Honor Society

Honors / Awards

National Winner, CHED REPUBLICA (Outstanding Research and Publication Award), Commission on Higher Education 2014 May 20
Centennial Professorial Chair Awards (5 years), University of the Philippines 2008-2013
U.P.A.A. Distinguished Alumnus in Science and Technology, University of the Philippines 2013 June 22
UP Scientific Productivity Award (UP Scientist II), University of the Philippines System 2012 December 18
Gawad Chanselor sa Natatanging Guro, University of the Philippines 2010 February 25
NAST-LELEDFI Award for Outstanding Research in Tropical Medicine, National Academy of Science and Technology 2010 July 15
Achievement Award in the Biological Sciences, National Research Council of the Philippines 2010 March 10
Outstanding Microbiologist, Philippine Society for Microbiology, Inc. 2009 May 14
UP Scientific Productivity Award (UP Scientist I), University of the Philippines System 2009 August 11
The Platinum Men of the Philippines (one of the eight awardees), Rockwell Tent, Makati 2007 August 16

Outstanding Young Scientist (OYS) of the Philippines in Medical Science, National Academy of Science and Technology 2006 July 13

NAST-DuPont Talent Search for Young Scientists (Medical Science), National Academy of Science and Technology 2003 July 10

The Outstanding Young Men (TOYM) of the Philippines in Medical Science (Microbiology), Malacañan Palace 2006 December 6

Researches

Completed

Modes of transmission of *Entamoeba histolytica* and *Cryptosporidium parvum* infections in the Philippines

Development of naturally derived bioactive products from endemic plant species in Kanawan, Morong, Bataan forest area

Development of salivary IgA antibody detection kit for accurate diagnosis of amebiasis

Molecular characterization of *Acanthamoeba* spp. isolated from contact lens storage cases, soil and water

Molecular and phylogenetic analysis of *Blastocystis* isolates in the Philippines from human and animal hosts

Development of immunoassay for detection of anti-*Blastocystis hominis*-specific IgG in serum samples

Genetic diversity of *Cryptosporidium* spp. in the Philippines

Genetic diversity of Philippine *Blastocystis hominis* isolates by ribotyping

Multilocus genotypic analysis of *Cryptosporidium* isolates from farm animals in the Philippines

Development of antibody and PCR-based detection assays for accurate diagnosis and epidemiology of human *Cryptosporidium parvum* infections in the Philippines

Molecular epidemiology of *Entamoeba histolytica* and *Entamoeba dispar* in the Philippines

The biology of a trichomonad isolated from pig fecal samples

Molecular identification of human *Trichomonas* spp. isolated in the Philippines

Identification and characterization of *Trichomonas vaginalis* viruses (TVV) in the Philippines

Microbial risk assessment of agricultural waters and produce in the Philippines

Development of a loop-mediated isothermal amplification (LAMP) assay for rapid detection of *Trichomonas vaginalis* in clinical specimens

Development of a loop-mediated isothermal amplification (LAMP) assay for the rapid detection of *Entamoeba histolytica* in stool samples

Comparison of microscopy, culture, PCR and antibody-based assay for the detection of *Blastocystis hominis* in human stool

Molecular and phylogenetic analysis of Philippine *Trichomonas* spp. isolates from human and animal hosts

Immunodetection of *Entamoeba histolytica* antigen in feces using a sensitive diffraction biosensor

Profiles of *Entamoeba histolytica*-specific immunoglobulin A, G, M in human sera

Isolation and structure elucidation of the anti-quorum sensing compounds from *Terminalia catappa* leaves

Ongoing

Diagnosis and molecular characterization of *Salmonella* species from slaughtered swine and other raw meat and meat products

Development of multiplex PCR for detection of *Ehrlichia canis*, *Babesia canis* and *Hepatozoon canis* in canine blood

Publications

- 2015
- Obusan, M.C.M., Aragonés, L.V., Salibay, C.C., Siringan, M.A.T., & Rivera, W.L., Occurrence of human pathogenic bacteria and *Toxoplasma* in cetaceans stranded in the Philippines: providing clues on ocean health status. *Aquatic Mammals*, 2015.
- Ng, K.C.S., & Rivera, W.L., Multiplex PCR-based serogrouping and serotyping of *Salmonella* spp. from tonsil and jejunum with jejunal lymph nodes of slaughtered swine in Metro Manila, Philippines. *Journal of Food Protection* (in press), 2015.
- Daupan, S.M.M.V., & Rivera, W.L., Isolation and characterization of culturable thermophilic bacteria from hot springs in Benguet, Philippines. *International Journal of Philippine Science and Technology* (in press), 2015.
- Valle, D.L., Jr., Andrade, J.I., Puzon, J.J.M., Cabrera, E.C., & Rivera, W.L., Antibacterial activities of ethanol extracts of Philippine medicinal plants against multidrug-resistant bacteria. *Asian Pacific Journal of Tropical Biomedicine* (in press), 2015.
- Garcia, B.C.B., Dimasupil, M.A.Z., Vital, P.G., Widmer, K.W., & Rivera, W.L., Fecal contamination in irrigation water and microbial quality of vegetable primary production in urban farms of Metro Manila, Philippines. *Journal of Environmental Science and Health, Part B* (in press), 2015.
- Martin-Puzon, J.J., Valle, D.L., & Rivera, W.L., TLC profiles and antibacterial activity of *Glinus oppositifolius* (L.) Aug. DC. (Molluginaceae) leaf and stem extracts against bacterial pathogens. *Asian Pacific Journal of Tropical Disease* (in press), 2015.
- Belleza, M.L.B., Cadacio, J.L.C., Borja, M.P., Solon, J.A.A., Padilla, M.A., Tongol-Rivera, P.N., & Rivera, W.L., Epidemiologic study of *Blastocystis* infection in an urban community in the Philippines. *Journal of Environmental and Public Health* (in press), 2015.
- 2014
- Dimasuay, K.G.B., & Rivera, W.L., First report of *Trichomonas tenax* infections in the Philippines. *Parasitology International*, 2014, 63:400-402.
- Ng, K.C.S., & Rivera, W.L., Antimicrobial resistance of *Salmonella enterica* isolates from tonsil and jejunum with lymph node tissues of slaughtered swine in Metro Manila, Philippines. *ISRN Microbiology*, 2014.
- Reyes, J.C.B., Solon, J.A.A., & Rivera, W.L., Development of a loop-mediated isothermal amplification assay for detection of *Trichomonas vaginalis*. *Diagnostic Microbiology and Infectious Disease*, 2014, 79:337-341.
- Vital, P.G., Dimasuay, K.G.B., Widmer, K.W., & Rivera, W.L., Microbiological quality of fresh produce from open air markets and supermarkets in the Philippines. *The Scientific World Journal*, 2014.
- Cruz, A.R.S., & Rivera, W.L., Genotype analysis of *Acanthamoeba* isolates from human nasal swabs in the Philippines. *Asian Pacific Journal of Tropical Biomedicine*, 2014, 4:827-831.
- Salvador-Membreve, D.M.C., Jacinto, S.D., & Rivera, W.L., *Trichomonas vaginalis* induces cytopathic effect on human lung alveolar basal carcinoma epithelial cell line

- A549. *Experimental Parasitology*, 2014, 147:33-40.
- 2013 Villareal, M.V., Mingala, C.N., & Rivera, W.L., Molecular characterization of *Trypanosoma evansi* isolates from water buffaloes (*Bubalis bubalis*) in the Philippines. *Acta Parasitologica*, 2013, 58:6-12.
- Rivera, W.L., & Ong, V.A., Development of loop-mediated isothermal amplification for rapid detection of *Entamoeba histolytica*. *Asian Pacific Journal of Tropical Medicine*, 2013, 6(6):457-461.
- Santos, H.J., & Rivera, W.L., Characterization of direct fecal smear microscopy, culture, and polymerase chain reaction for the detection of *Blastocystis* sp. in human stool samples. *Asian Pacific Journal of Tropical Medicine*, 2013, 6(10):780-784.
- Queza, M.I.P., & Rivera, W.L., Diagnosis and molecular characterization of *Trichomonas vaginalis* in sex workers in the Philippines. *Pathogens and Global Health*, 2013, 107(3):136-140.
- Dimasuay, K.G.B., & Rivera, W.L., Molecular characterization of trichomonads isolated from animal hosts in the Philippines. *Veterinary Parasitology*, 2013, 196(3-4):289-295.
- Dimasuay, K.G.B., Lavilla, O.J.Y., & Rivera, W.L., New hosts of *Simplicimonas similis* and *Trichomitus batrachorum* identified by 18S ribosomal RNA gene sequences. *Journal of Parasitology Research*, 2013.
- Villareal, M.V., Mingala, C.N., & Rivera, W.L., Molecular characterization of *Trypanosoma evansi* isolates from water buffaloes (*Bubalus bubalis*) in the Philippines. *Acta Parasitologica*, 2013, 58:6-12.
- 2012 Rivera, W.L., Santos, H.J., Ong, V.A., & Murao, L.J., Profiles of *Entamoeba histolytica*-specific immunoglobulins in human sera. *Asian Pacific Journal of Tropical Medicine*, 2012, 5:234-238.
- Nemenzo, P.S., Rivero, G.C., & Rivera, W.L., Characterization of potential plant growth promoting rhizobacterial isolates from sago (*Metroxylon sagu* Rottb.) palms. *Philippine Agricultural Scientist*, 2012, 95:85-91.
- Nicdao, M.A.C., & Rivera, W.L., Two strains of *Gordonia terrae* isolated from used engine oil-contaminated soil utilize short- to long-chain n-alkanes. *Philippine Science Letters*, 2012, 5:199-208.
- 2011 Banaticla, J.E.G., & Rivera, W.L., Detection and subtype identification of *Blastocystis* isolates from wastewater samples in the Philippines. *Journal of Water and Health*, 2011, 9:128-136.
- Lamberte, L.E., Cabrera, E.C., & Rivera, W.L., Activity of ethanolic extract of propolis (EEP) as a potential inhibitor of quorum sensing-mediated pigment production in *Chromobacterium violaceum* and virulence factor production in *Pseudomonas aeruginosa*. *Philippine Agricultural Scientist*, 2011, 94:14-22.
- Cornago, D.F., Amor, E.C., & Rivera, W.L., Antifungal activity of onion (*Allium cepa* L.) bulb extracts against *Fusarium oxysporum* and *Colletotrichum* sp.. *Philippine Agricultural Scientist*, 2011, 94:78-82.
- Salapare, H.S., Blantocas, G.Q., Rivera, W.L., Ong, V.A., Hipolito, R.S., & Ramos, H.J., Antibacterial property of hydrogen ion and oxygen ion treated polytetrafluoroethylene (PTFE) materials. *Plasma and Fusion Research*, 2011, 6:1-4.
- Taganna, J.C., Quanico, J.P., Perono, R.M.G., Amor, E.C., & Rivera, W.L., Tannin-rich fraction from *Terminalia catappa* inhibits quorum sensing (QS) in *Chromobacterium violaceum* and the QS-controlled biofilm maturation and LasA staphylolytic activity in *Pseudomonas aeruginosa*. *Journal of Ethnopharmacology*, 2011, 134:856-871.
- Vital, P.G., & Rivera, W.L., Antimicrobial activity, cytotoxicity, and phytochemical screening of *Voacanga globosa* (Blanco) Merr. leaf extract (Apocynaceae). *Asian Pacific Journal of Tropical Medicine*, 2011, 4:824-828.
- 2010 Nilles-Bije, M.L., & Rivera, W.L., Ultrastructural and molecular characterization of *Balantidium coli* isolated in the Philippines. *Parasitology Research*, 2010, 106:387-394.

- Rivera, W.L., Yason, J.A.D.L., & Adao, D.E.V., *Entamoeba histolytica* and *E. dispar* infections in captive macaques (*Macaca fascicularis*) in the Philippines. *Primates*, 2010, 51:69-74.
- Ong, V.A., & Rivera, W.L., Production and characterization of polyclonal antibodies specific for *Trichomonas vaginalis*. *Asia Life Sciences*, 2010, 19:345-356.
- Vital, P.G., Velasco, R.N., Demigillo, J.M., & Rivera, W.L., Antimicrobial activity, cytotoxicity, and phytochemical screening of *Ficus septica* Burm and *Sterculia foetida* L. leaf extracts. *Journal of Medicinal Plants Research*, 2010, 4:58-63.
- Ong, V.A., & Rivera, W.L., Prevalence of *Trichomonas vaginalis* in vaginal swabs from sex workers in Angeles City, Pampanga, Philippines as detected by PCR. *Tropical Medicine and Health*, 2010, 38:29-34.
- Valle, D.L., Jr., Andrade, J.I., Cabrera, E.C., & Rivera, W.L., Evaluation of buffy coat 16S rRNA PCR, buffy coat culture and whole blood PCR for detection of bacteraemia. *Memorias do Instituto Oswaldo Cruz*, 2010, 105:117-122.
- Petronio, J.A.G., & Rivera, W.L., Ultrastructure and SSU rDNA phylogeny of *Paraphysomonas vestita* (Stokes) De Saedeleer isolated from Laguna de Bay, Philippines. *Acta Protozoologica*, 2010, 49:107-113.
- 2009 Vital, P.G., & Rivera, W.L., Antimicrobial activity and cytotoxicity of *Chromolaena odorata* (L.f.) King and Robinson and *Uncaria perrottetii* (A. Rich) Merr. extracts. *Journal of Medicinal Plants Research*, 2009, 3:511-518.
- Rivera, W.L., & Adao, D.E.V., 18S ribosomal DNA genotypes of *Acanthamoeba* species isolated from contact lens cases in the Philippines. *Parasitology Research*, 2009, 105:1119-1124.
- Santos, H.J., & Rivera, W.L., Kinetic analysis of antibody responses to *Blastocystis hominis* in sera and intestinal secretions of orally infected mice. *Parasitology Research*, 2009, 105:1303-1310.
- Rivera, W.L., Ong, V.A., & Masalungca, M.C., Molecular characterization of *Trichomonas vaginalis* isolates from the Philippines. *Parasitology Research*, 2009, 106:105-110.
- 2008 Rivera, W.L., Phylogenetic analysis of *Blastocystis* isolates from animal and human hosts in the Philippines. *Veterinary Parasitology*, 2008, 156:178-182.
- Rivera, W.L., & Adao, D.E.V., Identification of the 18S-ribosomal-DNA genotypes of *Acanthamoeba* isolates from the Philippines. *Annals of Tropical Medicine and Parasitology*, 2008, 102:671-677.
- Rivera, W.L., & Yason, J.A.D.L., Molecular detection of *Cryptosporidium* from animal hosts in the Philippines. *Philippine Agricultural Scientist*, 2008, 91:473-477.
- Rivera, W.L., Lupisan, A.J.B., & Baking, J.M.P., Ultrastructural study of a tetratrachomonad isolated from pig fecal samples. *Parasitology Research*, 2008, 103:1311-1316.
- Tan, M.A.V., & Rivera, W.L., Genotypic characterization of *Blastocystis* isolates in the Philippines. *Philippine Journal of Veterinary Medicine*, 2008, 45:86-94.
- Santos, H.J., Maiquilla, S.M.B., & Rivera, W.L., Polyclonal IgG response of Baib/c mice to the 23kDa antigen of *Entamoeba histolytica*. *Science Diliman*, 2008, 20:11-17.
- Taganna, J.C., & Rivera, W.L., Epigallocatechin gallate from *Camellia sinensis* L. (Kuntze) is a potential quorum sensing inhibitor in *Chromobacterium violaceum*. *Science Diliman*, 2008, 20:24-30.
- 2007 Valido, E.M., & Rivera, W.L., Colony growth of Philippine isolates of *Blastocystis hominis* in simplified, soft agar medium. *Parasitology Research*, 2007, 101:213-217.
- Yason, J.A.D.L., & Rivera, W.L., Genotyping of *Giardia duodenalis* isolates among residents of slum area in Manila, Philippines. *Parasitology Research*, 2007, 101:681-687.
- Canoy, I.C.G., & Rivera, W.L., Production and characterization of polyclonal antibodies specific for *Entamoeba histolytica*. *Philippine Journal of Science*, 2007, 136:131-138.
- Rivera, P.T., Rivera, W.L., Escueta, A.S., Villacorte, E.A., Limlingan, E.T., Lazaro, C.M.,

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- 2006 Rivera, W.L., Santos, S.R., & Kanbara, H., Prevalence and genetic diversity of *Entamoeba histolytica* in an institution for the mentally retarded in the Philippines. *Parasitology Research*, 2006, 98:106-110.
- 2005 Rivera, W.L., & Tan, M.A.V., Molecular characterization of *Blastocystis* isolates in the Philippines by riboprinting. *Parasitology Research*, 2005, 96:253-257.
Rivera, W.L., Yason, J.A.D.L., & Rivera, P.T., Serological detection of cryptosporidiosis among Filipino cancer patients. *Parasitology Research*, 2005, 96:75-76.
- 2003 Nok, J.A., & Rivera, W.L., Characterization of sialidase from *Entamoeba histolytica* and its possible pathogenic role in amebiasis. *Parasitology Research*, 2003, 89:302-307.
- 2000 Rivera, W.L., Cheng, X.-J., Takekoshi, M., Ihara, S., Kaneda, Y., & Tachibana, H., Expression of a recombinant Fab fragment of human monoclonal IgG specific for *Entamoeba histolytica*. *Parasitology International*, 2000, 49:52.
- 1999 Rivera, W.L., Tachibana, H., & Kanbara, H., Application of polymerase chain reaction (PCR) in the epidemiology of *Entamoeba histolytica* and *Entamoeba dispar* infections. *Tokai Journal of Experimental and Clinical Medicine*, 1999, 23:413-415.
Rivera, W.L., & Kanbara, H., Detection of *Entamoeba dispar* DNA in macaque feces by polymerase chain reaction. *Parasitology Research*, 1999, 85:493-495.
- 1998 Rivera, W.L., Tachibana, H., Silva-Tahat, M.R.A., Uemura, H., & Kanbara, H., Field study on the distribution of *Entamoeba histolytica* and *Entamoeba dispar* in the northern Philippines as detected by the polymerase chain reaction. *American Journal of Tropical Medicine and Hygiene*, 1998, 59:916-921.
Rivera, W.L., Matias, R.R., Enriquez, G.L., & Kanbara, H., Cysteine proteinase gene as a basis for differentiating *Entamoeba histolytica* and *Entamoeba dispar* by PCR. *Japanese Journal of Tropical Medicine and Hygiene*, 1998.
Rivera, W.L., Rivera, P.T., Villacorte, E.A., Esparar, D.G., Darilag, A.A., Tachibana, H., & Kanbara, H., *Entamoeba histolytica* and *Entamoeba dispar*: detection by polymerase chain reaction in a low prevalence region in the Philippines. *Parasitology International*, 1998, 47:168.
Rivera, W.L., Tachibana, H., & Kanbara, H., Distribution of *Entamoeba histolytica* and *Entamoeba dispar* as detected by polymerase chain reaction. *Parasitology International*, 1998, 47:117.
- 1997 Rivera, W.L., & Kanbara, H., Induction of encystation of *Entamoeba histolytica* in vitro by modified BI-S-33 culture medium. *Parasitology International*, 1997, 46:127.
Rivera, W.L., Tachibana, H., & Kanbara, H., Prevalence of *Entamoeba histolytica* and *Entamoeba dispar* in Northern Philippines. *American Journal of Tropical Medicine and Hygiene*, 1997, 57(3):320.
Uemura, H., Kato, M., Shiota, T., Itai, A., Fujimoto, M., Hamada, Y., Rivera, W.L., Kanbara, H., & Schenkman, S., Amino acid substitutions of *T. cruzi* trans-sialidase gene family and their enzyme activities. *Parasitology International*, 1997, 46:83.
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Rivera, W.L., Tachibana, H., Silva-Tahat, M.R.A., Uemura, H., & Kanbara, H., Differentiation of *Entamoeba histolytica* and *Entamoeba dispar* DNA from cysts present in stool specimens by polymerase chain reaction. *Japanese Journal of Tropical Medicine and Hygiene*, 1996, 24(1):47-48.

Name Allan N. Soriano

Gender Male

Organizational Affiliations

Professor, School of Chemical Engineering and Chemistry, Mapua Institute of Technology, Muralla St., Intramuros, Manila

Education

Doctor of Philosophy in Chemical Engineering, Chung Yuan Christian University, Chung-Li, Taiwan R.O.C. 2009

Master in Engineering Program major in Chemical Engineering, Mapua Institute of Technology, Muralla St., Intramuros, Manila 2004

Bachelor of Science in Chemical Engineering, Mapua Institute of Technology, Muralla St., Intramuros, Manila 2000

Fields of Specialization

Chemical Engineering Thermodynamics

Carbon Dioxide Capture and Sequestration

Chemical Engineering

Employment

Head, Energy Research Initiatives, Mapua Institute of Technology, 2011-2012

Postdoctoral Research Associate, Thermodynamics Research Laboratory, Chung Yuan Christian University, 2009-2010

Association Membership

Board Member, Philippine Academy of Young Scientists, Inc. (Outstanding Young Scientists Inc.)

Auditor, Philippine Institute of Chemical Engineers – Metro Manila Academe Chapter

Regular Member, National Research Council of the Philippines

Honors / Awards

National Research Council of the Philippines (NRCP) Achievement Award, National Research Council of the Philippines 2014

YGC Values Exemplar Award on Loyalty, Yuchengco Group of Companies 2013

2013 ChE Board Recognition Award and 2013 Professional Regulation Commission (PRC) Service Award, Professional Regulation Commission 2013

Malaysia-China Chamber of Commerce (MCCC) Green Award, MCCC and ASEAN Academy of Engineering and Technology (AAET) 2012

2012 Outstanding Chemical Engineer Award (OChEA) for Research and Development, Philippine Institute of Chemical Engineers (PChE) 2012

2011 Outstanding Young Scientist (OYS) Award, National Academy of Science and Technology (NAST), Philippines 2011

Prof. Yen-Ping Shi Research Paper Award for 2010, Institute of Chemical Engineers, Chinese Taipei (ICheCT) 2010

2010 Prof. Yen-Ping Shi Research Paper Award (for the paper "Kinetics study of carbon dioxide absorption into aqueous solutions containing N-methyldiethanolamine + diethanolamine"), Institute of Chemical Engineers, Chinese Taipei 2010

1st place in research paper (oral) competition for the paper titled "Solubility of Carbon Dioxide in the Aqueous Blended Amine System of Triethanolamine and Piperazine", 16th Regional Symposium on Chemical Engineering, Manila, Philippines 2009 December

4th place in research paper (oral) competition for the paper titled "Molar Heat Capacity and Electrolytic Conductivity of Aqueous Solutions of 1-Butyl-3-methylimidazolium Methylsulfate", 16th Regional Symposium on Chemical Engineering, Manila, Philippines 2009 December

3rd place in research paper (poster) competition for the paper titled "Dissociation Constant and Thermodynamic Functions of Some Room-temperature Ionic Liquids using Conductimetric Data", Taiwan Chemical Engineering Institute 2009 November 27-28

Outstanding International PhD Student Researcher of Chung Yuan Christian University, Chung Yuan Christian University 2009

Researches

Completed

Thermophysical characterization of various sorbent systems for CO₂ absorption

Multicriterial Analysis of Simulated Process of Post-Combustion Capture of Pure CO₂ and H₂S and Mixtures of H₂S and CO₂ Using Single and Blended Aqueous Alkanolamines

Prediction of Properties of Pure Ionic Liquids Using Ion Contribution Group Additivity Method (ICGAM)

Prediction of Properties of Binary Aqueous Ionic Liquid Solutions using Artificial Neural Network

Prediction of Diffusion Coefficients of Heavy Metal Ions at Infinite Dilution through Electrolytic Conductivity Data

Reduction of Total Hardness of Groundwater by Electrocoagulation using Iron and Aluminum Electrodes

Simulated Biosorption of Heavy Metal Ions using Aspen+

Papers Presented

2015 February 18-21 Adornado, A.P., Bungay, V.C., Soriano, A.N., & Li, M.-H. (2015 February 18-21). Simulated concentration profiling of amine transformation products in the quaternary solvent system of (carbon dioxide + triethanolamine / 2-amino-2-methyl-1-propanol + piperazine + water), 76th PICHE National Convention. Puerto Princesa, Palawan, Philippines.

2014 March 26-27 Navarro, S.S., Leron, R.B., Soriano, A.N., & Li, M.-H. (2014 March 26-27). Thermophysical property characterization of aqueous amino acid salt solution containing serine, 81st NRCP General Membership Assembly and International Scientific Conference, Manila, Philippines.

- 2014 March 26-27 Tirona, L.A.R., Leron, R.B., Soriano, A.N., & Li, M.-H. (2014 March 26-27). Thermophysical property characterization of aqueous potassium and sodium salt solutions of α -alanine, 81st NRCP General Membership Assembly and International Scientific Conference, Manila, Philippines.
- 2014 March 26-27 Soriano, A.N., Pajinag, A.A., Acosta, D.J.F., Averion, N.M., & Leron, G.M. (2014 March 26-27). Multicriterial analysis of simulated process of post-combustion capture of pure hydrogen sulfide and mixtures of hydrogen sulfide and carbon dioxide using single and blended aqueous alkanolamines, 81st NRCP General Membership Assembly and International Scientific Conference, Manila, Philippines.
- 2013 December 2-3 Soriano, A.N., Chen, S.-Y., & Li, M.-H. (2013 December 2-3). Measurement and Correlation of Viscosity of Mixed-Solvent Desiccant Systems containing Magnesium Chloride +Water + (Propylene or Triethylene) Glycol, 6th Regional Conference on Chemical Engineering, Manila, Philippines.
- 2013 October 22 Leron, G.M., Adornado, A.P., Zalvidea, D.G., Gutierrez, L.P., Soriano, A.N., & Li, M.-H. (2013 October 22). Selection of single and blended aqueous alkanolamine for post-combustion carbon dioxide capture using rate-based non-equilibrium process simulation, International Symposium on Emerging Technologies for a Greener Earth (AASSA and NAST-Phil), Manila, Philippines.
- 2013 July 10-11 Soriano, A.N. (2013 July 10-11). CARBON DIOXIDE CAPTURE: Thermophysical Properties and Process Design (The Taiwan Experience), 35th Annual Scientific Meeting (NAST), Manila, Philippines.
- 2012 November 7-8 Espiritu, E.S., Soriano, A.N., & Li, M.-H. (2012 November 7-8). Thermophysical Characterization of Glycol (DEG/TEG/T₄EG) + TRIS + Water: Measurements and Correlation, 19th Regional Symposium on Chemical Engineering, Bali, Indonesia.
- 2012 February 15-17 Gurylev, V., Soriano, A.N., Eleazar, E.G., Caparanga, A.R., & Li, M.-H. (2012 February 15-17). Densities of Various Glycol Systems (DEG or TEG or T₄EG) with 2-Amino-2-methyl-1-propanol (AMP) and Water: Measurements and Correlations, 73rd PICHE National Convention, Surigao City, Philippines.
- 2011 October 27-28 Hsu, Z.-J., Soriano, A.N., & Li, M.-H. (2011 October 27-28). Solubility of CO₂ in glycol amine system containing propylene glycol + 2-amino-2-methyl-1-propanol + water using N₂O analogy, 18th Regional Symposium on Chemical Engineering, Ho Chi Minh City, Vietnam.
- 2010 October 5-8 Leron, R.B., Soriano, A.N., & Li, M.-H. (2010 October 5-8). Density and refractive index of the deep eutectic solvent based on choline chloride and urea, 13th Asia Pacific Confederation of Chemical Engineering Congress and 57th TwiChE Annual Conference, Taipei, Taiwan, R.O.C.
- 2010 October 5-8 Li, M.-H., Chen, S.-Y., & Soriano, A.N. (2010 October 5-8). Measurement and correlation of density and vapor pressure for the mixed-desiccant system containing propylene glycol + magnesium chloride + water, 13th Asia Pacific Confederation of Chemical Engineering Congress and 57th TwiChE Annual Conference, Taipei, Taiwan, R.O.C.
- 2010 August 28-September 1 Lin, P.-Y., Soriano, A.N., & Li, M.-H. (2010 August 28-September 1). Molar heat capacity and electrolytic conductivity of aqueous solutions of 1-ethyl-3-methylimidazolium ethylsulfate, 19th International Congress of Chemical and Process Engineering - 7th European Congress of Chemical Engineering, Prague, Czech Republic.
- 2010 July 19-21 Lin, P.-Y., Soriano, A.N., Leron, R.B., & Li, M.-H. (2010 July 19-21). Electrolytic

conductivity and molar heat capacity of aqueous solution of 1-ethyl-3-methylimidazolium dicyanamide, 7th International Conference on Heat Transfer, Fluid Mechanics and Thermodynamics, Antalya, Turkey.

- 2009 December 1-2 Chung, P.-Y., Leron, R.B., Soriano, A.N., & Li, M.-H. (2009 December 1-2). Solubility of Carbon Dioxide in the Aqueous Blended Amine System of Triethanolamine and Piperazine, 16th Regional Symposium on Chemical Engineering, Manila, Philippines.
- 2009 December 1-2 Soriano, A.N., Lin, P.-Y., Caparanga, A.R., & Li, M.-H. (2009 December 1-2). Molar Heat Capacity and Electrolytic Conductivity of Aqueous Solutions of 1-Butyl-3-methylimidazolium Methylsulfate, 16th Regional Symposium on Chemical Engineering, Manila, Philippines.
- 2009 December 1-2 Wang, M.-H., Soriano, A.N., Caparanga, A.R., & Li, M.-H. (2009 December 1-2). Diffusion Coefficients of Ethylene Glycol: Measurements and Correlations, 16th Regional Symposium on Chemical Engineering, Manila, Philippines.
- 2009 November 27-28 Soriano, A.N., Caparanga, A.R., Doma, B.T., Jr., Leron, R.B., & Li, M.-H. (2009 November 27-28). Dissociation Constant and Thermodynamic Functions of Some Room-temperature Ionic Liquids using Conductimetric Data, 2009 Taiwan Chemical Engineering Institute 56th Annual Conference, Taichung, Taiwan, R.O.C.
- 2009 November 27-28 Lin, P.-Y., Leron, R.B., Soriano, A.N., & Li, M.-H. (2009 November 27-28). Molar Heat Capacity and Electrolytic Conductivity of Aqueous Solutions of 1-Ethyl-3-methylimidazolium 2-(2-Methoxyethoxy) Ethylsulfate, 2009 Taiwan Chemical Engineering Institute 56th Annual Conference, Taichung, Taiwan, R.O.C.
- 2009 August 23-27 Wang, M.-H., Soriano, A.N., & Li, M.-H. (2009 August 23-27). Diffusion Coefficient of Glycols in Water at Infinite Dilution, 8th World Congress of Chemical Engineering, Montreal, Quebec, Canada.
- 2009 June 14-17 Soriano, A.N., Caparanga, A.R., & Li, M.-H. (2009 June 14-17). CO₂ Solubility in [Emim][C₂N₃]: Measurements and Correlation, GPE-EPIC: 2nd International Congress on Green Process Engineering - 2nd European Process Intensification Conference, Venice, Italy.
- 2009 January 22-23 Soriano, A.N., Doma, B.T., Jr., & Li, M.-H. (2009 January 22-23). Solubility of Carbon Dioxide in 1-n-Butyl-3-methylimidazolium Methylsulfate: Measurements and Correlation, 1st Regional Conference on Chemical Engineering, Manila, Philippines.
- 2009 January 22-23 Lin, P.-Y., Caparanga, A.R., Soriano, A.N., & Li, M.-H. (2009 January 22-23). Electrolytic Conductivity and Heat Capacity of Aqueous Solutions of 1-n-Butyl-3-methylimidazolium Trifluoromethanesulfonate, 1st Regional Conference on Chemical Engineering, Manila, Philippines.
- 2008 November 20-22 Doma, B.T., Jr., Soriano, A.N., & Li, M.-H. (2008 November 20-22). Quantitative Structure-Property Relation (QSPR) Models for the Prediction of the Refractive Indices of Ionic Liquids, 2008 Taiwan / Korea / Japan ChE Conference and 55th TwiChE Annual Conference, Taipei, Taiwan, R.O.C.
- 2008 November 20-22 Soriano, A.N., Caparanga, A.R., Doma, B.T., Jr., & Li, M.-H. (2008 November 20-22). Solubility of CO₂ in [Emim][CF₃SO₃]: Measurements and Correlation, 2008 Taiwan / Korea / Japan ChE Conference and 55th TwiChE Annual Conference, Taipei, Taiwan, R.O.C.
- 2008 September 4-6 Wong, C.-L., Soriano, A.N., & Li, M.-H. (2008 September 4-6). Diffusion Coefficients and Conductivities of Some Ionic Liquids, 10th International Chemical and Biological Engineering Conference, Braga, Portugal.

- 2008 August 24-28 Yu, Y.-H., Soriano, A.N., & Li, M.-H. (2008 August 24-28). Heat Capacity and Electrical Conductivity of Some Ionic Liquids, 18th International Congress of Chemical and Process Engineering, Prague, Czech Republic.
- 2008 August 4-6 Soriano, A.N., Doma, B.T., Jr., & Li, M.-H. (2008 August 4-6). Refractive Index and Density of [Bmim] and [Emim]-based Ionic Liquids, 12th Asia Pacific Confederation of Chemical Engineering Congress, Dalian, China.
- 2007 December 12-13 Chen, J.-M., Yu, Y.-H., Soriano, A.N., Chiang, H.-L., Chiang, P.-C., & Li, M.-H. (2007 December 12-13). Carbon Dioxide Capture using Ionic Liquids, 2007 International Conference on Sustainable Energy, Taipei, Taiwan, R.O.C.
- 2007 November 22-24 Soriano, A.N., Doma, B.T., Jr., & Li, M.-H. (2007 November 22-24). Effect of Basis Sets and Electron Correlation on the Selection of the Level of Theory toward the Development of Quantum-Based Force Field Equation for Ionic Liquids, 2007 Taiwan Chemical Engineering Institute 54th Annual Conference, Linkou, Taiwan, R.O.C.
- 2007 November 22-24 Chen, J.-M., Soriano, A.N., Chiang, H.-L., Chiang, P.-C., & Li, M.-H. (2007 November 22-24). Solubility of CO₂ in [Bmim][PF₆], [Bmim][BF₄], [Bmim][MeSO₄] and [Bmim][CF₃SO₃], 2007 Taiwan Chemical Engineering Institute 54th Annual Conference, Linkou, Taiwan, R.O.C.
- 2003 December 2-3 Soriano, A.N., & Doma, B.T., Jr. (2003 December 2-3). A Study on the effect of basis sets on the determination of the optimum level of theory toward the development of quantum-based force field equation for ionic liquids, 10th ASEAN Regional Symposium on Chemical Engineering, Makati, Philippines.

Publications

- 2015 Garcia, A.A., Leron, R.B., Soriano, A.N., & Li, M.-H., Thermophysical property characterization of aqueous amino acid salt solution containing α -aminobutyric acid. *The Journal of Chemical Thermodynamics*, 2015, 81(2):136-142.
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- 2013 Hsu, Z.-J., Caparanga, A.R., Leron, R.B., Soriano, A.N., & Li, M.-H., Density of PG + AMP + H₂O and Solubility of N₂O in PG + AMP + H₂O. *Journal of Chemical Engineering of Japan*, 2013, 46(2):93-99.
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- Cheng, M.-D., Caparanga, A.R., Soriano, A.N., & Li, M.-H., Solubility of CO₂ in the solvent system (water + monoethanolamine + triethanolamine). *The Journal of Chemical Thermodynamics*, 2010, 42(3):342-347.
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2008

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- Wong, C.-L., Soriano, A.N., & Li, M.-H., Diffusion coefficients and molar conductivities in aqueous solutions of 1-ethyl-3-methylimidazolium-based ionic liquids. *Fluid Phase Equilibria*, 2008, 271(1-2):43-52.

2005 Soriano, A.N., & Doma, B.T., Jr., Effect of basis sets on the selection of the level of theory toward the development of quantum-based force field equation for ionic liquids. *ASEAN Journal of Chemical Engineering*, 2005, 5(2):156-160.

Name Leonila M. Tolentino

Gender Female

Organizational Affiliations

Assistant Professor, University of Southern Mindanao, College of Agriculture Kabacan 9407, Cotabato

Education

Doctor of Philosophy in Agricultural Sciences (Crop Production and Management), University of Southern Mindanao, Kabacan, Cotabato 2004

Master of Science in Agronomy (Crop Physiology), University of the Philippines Los Baños, College, Laguna 1982

Bachelor of Science in Agricultural Education, Mariano Marcos State University, Batac, Ilocos Norte 1978

Fields of Specialization

Crop Production and Management

Crop Physiology

Soil Science (Soil Fertility)

Agronomy

Employment

Assistant Professor, College of Agriculture, University of Southern Mindanao

Association Membership

Member, Crop Science Society of the Philippines (CSSP)

Member, Weed Science Society of the Philippines (WSSP)

Member, Philippine Society for the Study of Nature, Inc. (PSSN)

Member, National Research Council of the Philippines

Trainings

Kakao Konek International Cacao Conference, Apo View Hotel, Davao City 2012 November 21-23

Seminar-workshop on developing print-based instructional Materials using Adobe, URESC Conference Hall, USM, Kabacan, Cotabato 2012 September 21

1st Philippine Rubber Investment and Market Encounter (PRIME 2012), Holiday Inn, Clark, Pampanga 2012 September 18-19

Seminar on Soil/Nutrient management and cacao sustainability, URESC Conference Hall, USM, Kabacan, Cotabato 2012 September 4

Seminar on Molecular characterization and genetic diversity of cocoa and its impact to cacao farming, URESC Conference Hall, USM, Kabacan, Cotabato 2012 July 15

4th Sustainable Ecological Agriculture Summit, USM Gym, USM, Kabacan, Cotabato 2011 October 25-28

Seminar on Management of invasive alien lepidopteran pests using environmentally sound, sustainable tactics, AVR, College of Agriculture, USM, Kabacan, Cotabato 2011 August 11

World Cocoa Foundation 19th Partnership Meeting and Roundtable Sessions, Hilton San Francisco Financial District, San Francisco, California 2011 May 18-19

Water Quality Concepts, Sampling and Analysis: A Skill Sharpening Course for IFAS Faculty, University of Florida – Tropical Research and Education Center (UF-TREC), Homestead, Florida 2011 February 21-25

Norman E. Borlaug International Agricultural Science and Technology Fellowship Program's Global Cocoa Initiative, University of Florida – Tropical Research and Education Center (UF-TREC), Homestead, Florida 2011 January 8-May 20

International Symposium on Go Organic 2009, Pullman King Power Hotel, Bangkok, Thailand 2009 August 18-19

K-AgriNet good agricultural practices conference: Sharing of experiences, LBP Conference Hall, Malate, Manila 2009 June 26

Training on video production, USM Hostel, USM, Kabacan, Cotabato 2008 November 10-16

Training cum write shop on valuing ICT innovations in providing information and technology services, GV Tower Hotel, Cebu City 2008 October 27-30

Open Academy for Philippine Agriculture Writeshop, PhilRice-Maligaya, Science City of Munoz, Nueva Ecija 2008 September 3-5

Training-workshop on Report writing and publishing research outputs, USM Hostel, USM, Kabacan, Cotabato 2008 February 26-29

Researches

Completed

Efficiency and Effectivity of teaching methods / strategies used by the University of Southern Mindanao instructors / professors

Evaluation of the College of Agriculture extension programs in Cuyapon, Kabacan, Cotabato

A tracer study on the employability and career pattern of USM gradates

Use of composted cacao pod husks on the growth of cacao seedlings

Effects of fertilizers on the growth of rubber seedlings (nursery)

Effects of organic fertilizers on the growth of immature rubber

Soil chemical properties and phosphorus P fractions in a cover cropping system

Applied communication strategies in technology transfer of rubber technologies

Ongoing

Enhancing soil physical and chemical properties using composted cacao pod husks

Publications

2013

Tolentino, L.M., Enhancing soil physical and chemical properties using composted cacao pod husks. Proceedings 33rd USM Agency In-house Review, USM, Kabacan,

- Cotabato, 2013.
- Tolentino, L.M., A Tracer Study on the Employability and Career Pattern of USM Graduates. Proceedings 33rd USM Agency In-house Review, USM, Kabacan, Cotabato, 2013.
- Tolentino, L.M., Efficiency and Effectivity of Teaching Methods / Strategies used by the College of Agriculture Instructors / Professors. Proceedings 33rd USM Agency In-house Review, USM, Kabacan, Cotabato, 2013.
- Tolentino, L.M., Evaluation of the College of Agriculture Extension Programs in Cuyapon, Kabacan, Cotabato. Proceedings 33rd USM Agency In-house Review, USM, Kabacan, Cotabato, 2013.
- 2012 Tolentino, L.M., Use of composted cacao pod husks on the growth of cacao seedlings. USM R&D Journal, 2012.
- Tolentino, L.M., Awareness on the attributes and services of the Sultan Kudarat Provincial Farmers Information and Technology Center by its Clientele. USM CA Abstract Bibliography, College of Agriculture, USM, Kabacan, Cotabato, 2012.
- Tolentino, L.M., Awareness on the attributes and services of the Pres Quirino Farmers Information and Technology Center by its Clientele. USM CA Abstract Bibliography, College of Agriculture, USM, Kabacan, Cotabato, 2012.
- Tolentino, L.M., Awareness on the attributes and services of the Kidapawan City Livelihood Desk and Farmers Information and Technology Center by its Clientele. USM CA Abstract Bibliography, College of Agriculture, USM, Kabacan, Cotabato, 2012.
- Tolentino, L.M., Use of fertilizers on the growth of immature rubber. Proceedings 32nd USM Agency In-house Review. USM, Kabacan, Cotabato, 2012.
- Tolentino, L.M., Use of composted cacao pod husks on the growth of cacao seedlings. Proceedings 32nd USM Agency In-house Review. USM, Kabacan, Cotabato, 2012.
- Tolentino, L.M., Training needs of the out-of-school youths in General Luna, Ugalingan, and Manobo Village, Poblacion, Carmen, Cotabato. USM CA Abstract Bibliography, College of Agriculture, USM, Kabacan, Cotabato, 2012.
- Tolentino, L.M., Perceived factors affecting job satisfaction of Agricultural Technologists in the Second District of South Cotabato. USM CA Abstract Bibliography, College of Agriculture, USM, Kabacan, Cotabato, 2012.
- 2011 Tolentino, L.M., On-Site Practice of Modern Technology on Rubber: A Key to Higher Yields. USM R&D Journal, 2011.
- Tolentino, L.M., Applied communication strategies in technology transfer of rubber technologies. Proceedings 31st USM Agency In-house Review. USM, Kabacan, Cotabato, 2011.
- Tolentino, L.M., Effects of different fertilizers on the growth of immature rubber. Proceedings 31st USM Agency In-house Review. USM, Kabacan, Cotabato, 2011.
- Tolentino, L.M., Soil chemical properties and phosphorus fractions in a cover cropping system. Proceedings 31st USM Agency In-house Review. USM, Kabacan, Cotabato, 2011.
- 2010 Tolentino, L.M., Mykovam as a promising organic fertilizer on the growth of rubber (*Hevea brasiliensis*) seedlings at USM, Kabacan, Cotabato, Philippines. USM R&D Journal, 2010.
- Tolentino, L.M., et.al., Clientele awareness on the attributes and services of the Farmers Information and Technology Services Centers. USM CA Research Journal, 2010.
- 2008 Tolentino, L.M., Indigenous Farming and Homemaking Practices of the Manobo's of Carmen, Cotabato. Proceedings 8th Annual Scientific Convention of the Philippine Society for the Study of Nature (PSSN), Inc., 2008.

Name Adrian Patalinghug Ybañez

Gender Male

Organizational Affiliations

Dean, School of Health Sciences, Southwestern University, Villa Aznar Urgello St., Cebu City

Director, University Research Center, Southwestern University, Villa Aznar Urgello St., Cebu City

Education

Doctor of Philosophy in Veterinary Sciences, Veterinary Medicine, United Graduate School of Veterinary Sciences of Gifu University, Japan, 1-1 Yanagido, Gifu, Gifu Prefecture 501-1193, Japan 2013

Diploma in Research and Development Management, University of the Philippines, 2006

Doctor of Veterinary Medicine (DVM), Leyte State University, Barangay San Roque Sogod, Southern Leyte Eastern Visayas 6606, Philippines 2003

Fields of Specialization

Veterinary Medicine

Veterinary Microbiology

Veterinary Epidemiology

Zoonoses

Zoonotic Diseases

Veterinary Preventive Medicine

Veterinary Science

Agricultural Science (Animal Science)

Vector-borne diseases

Employment

Dean and Associate Professor; Concurrent Research Director, Southwestern University, November 2014-Present

Assistant Professor, Visayas State University, June 2013-October 2014

, Department of Clinical Veterinary Science, Obihiro University of Agriculture and Veterinary Medicine, January 2010-December 2012

Senior Veterinarian and Managing Partner (Owner), GPY Veterinare Animale, January 2007-October 2014

Veterinary Hospital Administrator, Southwestern University, June 2004-October 2007

Clinical Veterinarian, INA-Research-Philippines, 2003-2004

Association Membership

Member, National Research Council of the Philippines

Member, Philippine Veterinary Medical Association

Member, Cebu Companion Animal Practitioner's Association

Honors / Awards

Award: The Outstanding Cebu City Youth Leader- Young Professional, 2015

2nd Place, Best in Research, Annual Regional Scientific Convention, Philippine Society of Animal Science- Eastern Visayas Region 2013

Best Ph.D. Student, United Graduate School of Veterinary Sciences, Gifu University 2013 March

Best Research Poster Presentation, 4th Annual AGH-GCOE International Symposium, Obihiro University, Japan; National Research for Protozoan Diseases-Global Center of Excellence 2012 November

Excellent Research Presentation, 3rd Annual Joint Conference of UGSVS, Gifu University and Seoul University, South Korea 2012 February

Scholarship: Asian Youth Fellowship and Monbusho, 2009 July

3rd Place, Best in Research, SWU Center for Research 2006 February

Cum Laude (Doctor of Veterinary Medicine), Leyte State University 2003 April

Cum Laude (Bachelor of Animal Science), Visayas State College of Agriculture 2001 April

Most Outstanding Senior Scout, Boy Scouts of the Philippines- Cebu Council 1997 February

Carlos P. Romulo Award (Outstanding Senior Scout), Boy Scouts of the Philippines 1996 November

5th in Excellence, St. Francis of Assisi School 1993 March

Institutional Leadership Awardee, Cebu City National Science High School

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- Tagawa, M., Ybañez, A.P., Matsumoto, K., Yokohama, N., & Inokuma, H., Interference between *Theileria orientalis* and hemotropic *Mycoplasma* spp. (hemoplasmas) in grazing cattle. *Veterinary Parasitology*, 2013, 195(1-2):165-168.
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