



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

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

Volume **XXVIII**

Philippine Men and Women of Science

(Formerly Philippine Men of Science)

Volume 28

June 2014



**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 a semi-annual online publication of the Science and Technology Institute (STII). It was first published in 1964 as the Philippine Men of Science (PMS), containing 101 scientists.

In 2001, the STII developed the systems, the SciNET-PHIL Integrated Library Management System (SILMS) and WebDB (which consist of five databases). One of the five databases is the Scientist Database which efficiently processes and makes the PMS data available to the public. Thus PMS was accessible online through SILMS and WebDB.

On August 28, 2012, PMS Volume 24, June 2012 issue was uploaded to make it more visible and accessible to more users. A download counter was also installed to monitor usage. STII has unofficially (document change only; official registration in progress) changed PMS to Philippine Men and Women of Science (PMWS) in its online display in response to a more gender-sensitive title of the publication. PMWS was adopted online on July 05, 2013 (Volume 26, June 2013 issue). PMWS is now accessible in two additional sites, www.science.ph and www.stii.dost.gov.ph.

The publication is a good resource material for researchers who need information on the scientists' academic and professional contributions and affiliations.

STII is grateful for the valuable support of the scientists who contributed information to this volume. And we hope that our current users will pass on the information on the existence of this kind of online publication, to help us promote our Filipino scientists and in the process make more researchers benefit from our scientists' contribution to the national development.

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Curriculum Development
Educational Psychology
Health Education
Social Sciences

Name Zoraida P. Aguilar
Gender Female
Civil Status Single
Home Address 1888 Cannondale Drive, Fayetteville, AR 72704

Organizational Affiliations

Senior Scientist (Part-time), Industrial Management and Research Ocean, NanoTech LLC2143 Worth Lane Springdale, Arkansas 72764

Education

PhD. in Analytical Chemistry, University of Arkansas, Fayetteville, USA 2002 Je

M.S. in Biochemistry, University of the Philippines, Diliman, Quezon City 1984

B.S. in Chemistry, University of the Philippines, Diliman, Quezon City 1978

Fields of Specialization

Chemistry

Biochemistry

Analytical Chemistry

Medicine

Nanomaterials, nanosensors, nanotheranostics, nanoimaging, nanobiotechnology

Biotechnology, biosensors, drug delivery, vaccine delivery

Assay development, medical devices, project management, product development, ELISA, cell culture, bacterial culture; cosmetic formulation, botanical skin care

Electrochemistry, microfluidics, in vitro diagnostics

protein conjugation to nanoparticles, enzyme-antibody conjugation

DNA-hybridization,

Employment

Director of Research and Development, Ocean NanoTech, Life Sciences Springdale, USA, 2008 N - 2013 Mr-

Chief Technology Officer, Vegrandis, LLC, Fayetteville, AR, USA, 2003 JI - 2008 N-

Member, University of Cincinnati, Department of Chemistry Cincinnati, USA, 2002 JI-2003 Je-

Postdoctoral Research Associate, Chemical Sensors Group, University of Cincinnati, OH, 2002-2003-

Association Membership

Associate Member, National Research Council of the Philippines (NRCP)

Member, American Chemical Society PAASE

Member, Electrochemical Society

Member, Sigma Xi The Scientific Research Society

Member, Philippine American Academy of Scientists and Engineers (PAASE)

Honors / Awards

Balik Scientist Award, DOST 2010

A Tribute to Outstanding MASCIAN, 2013 O

Grant: Nanoparticle enhanced antibody production, 2001 Ja

Grant: Quantum dots based-qualitative and quantitative multiplex strip test for malaria, 2010 JI

First Place in Chemistry Poster Presentation, Idea Networks for Biomedical Research Experience on Se, University of Arkansas 2007 O

Scholarship, Graduate research fellowship, Molecular Biology, Waseda University, Tokyo, Japan 1988 Ag

Summer Graduate Fellowship, American Chemical Society, DAC 2002 My

Excellence in Graduate Research, Sigma Xi The Scientific Research Society 2003 Mr

Trainings

Biosensor 2000, San Diego, C.A 2000 My 24-26

Pittsburg Conference, New Orleans, LA 2000 Mr 12-17

8th International Meeting on Chemical Sensor, Aguilar, Z.P., Evans, S.R., Vandaveer IV, W.R., Gray,, Basel, Switzerland 2000 JI 3-5

196th Joint International Meeting of the Electrochemical Society, Inc. and the Electrochemical Socie, Honolulu, HA. 1999 O 17-22

symposium on Chemical Sensors IV, 196th Joint International Meeting of the Electrochemical Society,, Honolulu, HA, 1999 O 17-22

Researches

Malaria CSP

NP Toxicity

Avian flu Diagnosis

Nanoparticles for Targeted Drug Delivery

Nanoparticle Toxicity Evaluation

Multiplex Diagnosis of Malaria

Prion detection

Completed

Carbon nanopipette (CNP) Manufacturing for Sensors development (Phase I, 2006-2008, CTO, \$150k)

Microfluidic Based Lab-on-a-Chip (Phase II, 2005-2009, PI, \$1.4M)

Microelectrochemical Detection of Malaria parasite (Phase IIB, 2008-2009, PI, \$150k)

Carbon nanopipette (CNP) Manufacturing for Sensors development (Phase I, 2006-2008, CTO, \$150k)

Hybrid Sensor for Improved Detection of C. parvum in drinking water (Phase II, 2006-

2008, PI, \$225k)

Rapid Detection of Malaria parasite Plasmodium species (Phase II, 2006-2008, PI, \$500k)

Microelectrochemical Detection of Malaria parasite Plasmodium falciparum (Phase I, 2004, PI, \$100k)

Rapid Proteomic/Biometric Biosensor Development for Homeland Security, (Phase I, 2005, PI, \$100k)

Automated Rapid Detection of C. parvum in Water (Phase I, 2003, PI, \$70k)

Microfluidic Based Lab-on-a-Chip (Phase I, 2004, PI, \$150k)

Hybrid Sensor for Improved Detection of C. parvum in Water (Phase I, 2005, PI, \$70k)

Automated Water Pathogen Monitoring System (Phase II, 2005-2007, PI, \$100k)

Robotics for CWA and BWA detection (contract with Seacoast, Inc in CA, (Phase I, 2006-2007, \$50k)

Allergen Detection (Phase I, 2006-2007, PI, \$150k)

Automated Water Pathogen Monitoring System (Phase I, 2003, PI, (\$100k)

Papers Presented

Aguilar, Z.P. et al. (March 12-17, 2000 Mr 12-17). Studies Toward Developing Electrochemical Devices for Biochemical Sensing In Small Volumes, Pittsburg Conference, New Orleans, LA.

Fritsch, I., Aguilar, Z.P., Vandaveer, W.R. (Dec. 6-8, 2000.). Selective Surface Modification for Construction of Microelectrode-Based Devices, Symposium on Chemically-Modified Surfaces, Joint Southeast/Southwest Regional Meeting of ACS, New Orleans, LA.

Aguilar, Z.P. (2002. Mr). Development of Bioassay Platforms for Small Volumes, Invited speaker, Department of Chemistry University of Louisville, KY.

Aguilar, Z.P., I. Fritsch, I., et. al. (2002 My 12-17). Electrochemical Analysis in Confined Spaces Involving Immunosorbent and DNA-hybridization Assays, 201st Meeting-ECS, Philadelphia, PA.

Fritsch, I., Aguilar, Z.P. (2002 Ag 18-22). Exploiting electrochemistry for analysis in and control of microscopic systems, DACS, 224th ACS National Meeting, Boston, MA.

Aguilar, Z.P. et al (2001 S 1-7). Self-contained Microelectrochemical Immunosensors for Small Volumes, 2001 ECS/ISE Joint Int'l Meeting, San Francisco, CA.

Fritsch*, I., Carter, C.S., Aguilar, Z.P. (2001 Ap 1-5). Exploring a New Approach to Microfluidics,, 221st ACS National Meeting, San Diego, CA.

Aguilar, Z.P. et al. (2000 S 10-15). Individual- and Array-Microcavities for Self-Contained Electroanalysis in Micro to Picoliter Volumes, 3rd International Symposium on Electrochemical Microsystem Technologies, Garmisch-Partenkirchen, Germany.

Aguilar, Z.P. et al. (2000 My 24-28). Studies Toward Developing a Micro Electrochemical Immunosensor on a Chip, Biosensors 2000, San Diego, CA.

Aguilar, Z.P. et al. (2000 Mr 12-17). Studies Toward Developing Electrochemical Devices for Biochemical Sensing in Small Volumes, Pittsburg Conference, New Orleans, LA.

Aguilar, Z.P., Evans, S.R., Vandaveer IV, W.R., Gray, S.R., , Fritsch, I. (2000 Jl 3-5).

Interfacing Chemical Sensing Materials with Electrochemical Microcavity Devices for Small Sample Analysis, 8th International Meeting on Chemical Sensor, Basel, Switzerland.

Aguilar, Z.P. et al. (2000 D 20-22). A New Approach to Microfluidics, US-Japan Joint Symposium on Molecular Recognition and Separation in Nanostructured Media, Tucson, AZ.

Aguilar, Z.P., Evans, S.R., Vandaveer, W.R. IV, Fritsch, I. (2000 D 20-22). Surface Modification of Self-Contained Microelectrochemical Detectors for Small Volume Analysis, US-Japan Joint Symposium on Molecular Recognition and Separation in Nanostructured Media, Tucson, AZ.

Aguilar, Z.P et al (1999 O 17-22). Fundamentals of Small Sample Analysis with Microcavity Devices, Symposium on Chemical Sensors IV, 196th Joint International Meeting of the Electrochemical Society, Inc. and the Electrochemical Society of Japan, Honolulu, HA.

Publications

- 2012 Xu, H., Qu, F., Xu, H., Lai, W., Wang, Y.A., ; Aguilar, Z.P., Wei, H. Role of reactive oxygen species in the antibacterial mechanism of silver nanoparticles on Escherichia coli O157:H7. *Biometals : an international journal on the role of metal ions in biology, biochemistry, and medicine*, 2012, 25(1):45-53.
- 2012 Ming Li, Cushing, S.K., Zhang, J., Lankford, J., Aguilar, Z.P., Dongling Ma, Nianqiang Wu Shape-dependent surface-enhanced Raman scattering in gold-Raman probe-silica sandwiched nanoparticles for biocompatible applications. *Nanotechnology*, 2012, 23(11).
- 2011 Xu, H., Aguilar, Z.P., Yang, L., Kuang, M., Duan, H., Xiong, Y., Wei, H., Wang, A. Antibody conjugated magnetic iron oxidenanoparticles for cancer cell separation in fresh whole blood. *Biomaterials*, 2011, 32(36):9758-65.
- 2010 Su, H., Xu, H., Gao, S., Dixon, J.D., Aguilar, Z.P., Wang, A.Y., Xu, J., Wang, J. Microwave Synthesis Of Nearly Monodisperse Core/Multishell Quantum Dots with Cell Imaging Applications. *Nanoscale Research Letters*, 2010, 5(3):625-630.
- 2008 Aguilar, Z.P., Sirisena, M., Gertsch, J., Pacsial-Ong, E., Yoga Narasimhan, P., Wansapura, C., Kuzmicheva, G., Henrichs, A., Aday, J., Norman, M., Aguilar, Y., Estorninos, L. Development of Self-contained icroelectrochemical Array Assays for Whole Organisms. *ECS Transactions*, 2008, 16(11):165-176..
- 2008 Aguilar, Z.P., Narasimhan, Y., Wansapura, P., C., Henrichs, C., Aday, J., Aguilar, Y. Electrochemical Immunoassay Detection of Bacillus anthracis Protective antigen. *ECS Transactions*, 2008, 13(22):1-6.
- 2008 Dudak, F., Boyacci, I., Agnese, J., Mahmud, H., Aguilar, Z., Seliskar, C., Halsall, H., Heineman, W. Determination of viable Escherichia coli using antibody-coated paramagnetic beads with fluorescence detection. *Anal and Bioanal. Chem*, 2008, 393(3):949-956.
- 2007 Fritsch, I., Aguilar, Z.P. Advantages of downsizing electrochemical detection for DNA assays. *Analytical and Bioanalytical Chemistry*, 2007, 387(1):159-63.
- 2007 Aguilar, Z.P., Sirisena, M. Development of automated amperometric detection of antibodies against Bacillus anthracis protective antigen. *Analytical and Bioanalytical Chemistry*, 2007, 389(2):507-15.
- 2007 Heineman, W.R., Halsall, H.B., Seliskar, C.J., Aguilar, Z.P., Farrell, S., Jurkevica, A., Kuramitz, H., Matsuno, J.H., Thomas, Tiwari, U., Tu, J., Wansapura, C. Rapid Detection

- of Bioterrorism Agents in Water Supplies. AWWA Research Foundation and USEPA, AWWARF, Denver, 2007.
- 2007 Heineman, W.R., Halsall, H.B., Seliskar, C.J., Aguilar, Z.P., Farrell, S., Jurkevica, A., Kuramitz, H., Mwale, N.R., Matsuno, J.H. Tiwari, U., Tu, J., Wansapura, C. Rapid Detection of Bioterrorism Agents in Water Supplies. AWWA Research Foundation and USEPA, AWWARF, Denver, 2007.
- 2006 Aguilar, Z.P., Arumugam, P., Fritsch, I. Study of magnetohydrodynamic driven flow through LTCC channel with self-contained electrodes. *Journal of Electroanalytical Chemistry*, 2006, 591(2):201-209.
- 2006 Aguilar, Z.P. Small-volume detection of Plasmodium falciparum CSP gene using a 50-microm-diameter cavity with self-contained electrochemistry. *Analytical chemistry*, 2006, 78(4):1122-9.
- 2006 Fakunle, Aguilar, Z.P., Shultz, J.L., Toland, A.D., Fritsch, I. Evaluation of screen-printed gold on low-temperature co-fired ceramic as a substrate for the immobilization of electrochemical immunoassays. *Langmuir : the ACS Journal of Surfaces and Colloids*, 2006, 22(25):10844-53.
- 2006 Arumugam, P.U., Fakunle, S., Anderson, E.C., Evans, S.R., King, K.G., Aguilar, Z.P., Carter, C.S., Fritsch, I. Redox Magnetohydrodynamics in a Microfluidic Channel: Characterization and Pumping. *Journal of Electrochemical Society*, 2006, 153(12):E185-E194.
- 2006 Z. P. Aguilar, C. Van Nguyen, M.Wansapura, Y., Aguilar, and J. Homesley, Sirisena, J. Gertsch, P. Arumugam, D. Spencer, C. Automated Microarray Technology for Biomedical and Environmental Sensors. *ECS Transactions*, 2006, 3(10):125-137.
- 2006 Aguilar, Z.P. Rapid Small Volume Microelectrochemical DNA-hybridization Detection of Plasmodium falciparum. *Analytical Chemistry*, 2006, 78(4):1122-1129.
- 2006 Aguilar, Z.P., Arumugam, P., Fritsch, I. Magnetohydrodynamic Driven Flow through a Straight LTCC Channel. *Journal of Electroanalytical Chemistry*, 2006:201-209..
- 2006 Arumugam, P.U., Fakunle, E.S., Anderson, E.C., S. R. Evans, S.R., K. G. King, K.G., Z. P. Aguilar, Z.P., C. S. Carter, C.S., I. Fritsch, I. Redox Magnetohydrodynamic Pumping in a Microfluidic Channel. *Journal of Electroanalytical Chemistry*, 2006, 591(2):201-209.
- 2006 Aguilar, Z.P., Arumugam, P., Fritsch, I. Magnetohydrodynamic Driven Flow through a Straight LTCC Channel. *Journal of Electroanalytical Chemistry*, 2006, 591:201-209.
- 2006 Aguilar, Z.P., Arumugam, P., Fritsch, I. Magnetohydrodynamic Driven Flow through a Straight LTCC Channel. *Journal of Electroanalytical Chemistry*, 2006, 591:201-209.
- 2006 Aguilar, Z.P., Arumugam, P., Fritsch, I. Magnetohydrodynamic Driven Flow through a Straight LTCC Channel. *Journal of Electroanalytical Chemistry*, 2006, 591:201-209.
- 2005 Fritsch, I., Beitle, R.R.Jr., Aguilar, Z.P. Microvolume Immunosorbant Assays. US Patent # 6,887,714 B2, 2005 My 3.
- 2005 Boyaci, I.H., Aguilar, Z.P., Hossain, M., Halsall, H.B., Seliskar, C.J., Heineman, W.R. Amperometric determination of live Escherichia coli using antibody-coated paramagnetic beads. *Analytical and Bioanalytical chemistry*, 2005, 382(5):1234-41.
- 2005 Boyacci, I., Aguilar, Z.P., Halsall, H.B., Seliskar, C.J., Heineman, W. Amperometric

- Detection of *E. coli* in Drinking Water. *Analytical and Bioanalytical Chemistry*, 2005, 382:1234-1241.
- 2004 Fritsch, I., Carter, C.S., Aguilar, Z.P. Microfluidics and Small Volume Mixing based on Redox MHD Methods. US patent # 6733244, 2004 My 11.
- 2004 Sebastian Neugebauer; Stephanie R Evans; Zoraida P Aguilar; Marcus Mosbach; Ingrid Fritsch; Wolfgang Schuhmann Analysis in ultrasmall volumes: microdispensing of picoliter droplets and analysis without protection from evaporation 2004;76(2):458-63.. *Analytical chemistry*, 2004, 76(2):458-63.
- 2004 Richardson, J.R., Aguilar, Z.P., Kaval, N., Andria, S., Shtoyko, T., Seliskar, C.J., Heinemen, W.R. Optical and Electrochemical Evaluation of Colloidal Au Nanoparticle-ITO Hybrid Optically Transparent Electrode and Their Applications in Attenuated Total Reflections pectroelectrochemistry,. *Electrochimica Acta*, 2004:4291-4299..
- 2004 Neugebauer, S., Evans, S.R., Aguilar, Z.P., Mosbach, M., Fritsch, I., Schumann, W. A New Approach for Analysis in Ultrasmall Volumes: Microdispensing of Picoliter Droplets and Rapid Analysis without Protection from Evaporation. *Analytical Chemistry*, 2004, 76:458-463.
- 2003 I. Fritsch, R. R. Beitle, Jr., and Z. P. Aguilar, Self-contained Microelectrochemical bioassay Platforms and Methods. US Patent Application 20030077642, Serial No. 253187, 2003 Ap 24.
- 2003 Fritsch, I., Beitle, R., Aguilar, Z.P. Electrochemical methods for detecting water borne pathogens. US Patent Application 20030108922, Serial No. 252,342, 2003 Ap 24.
- 2003 Aguilar, Z.P., Fritsch, I. Immobilized enzyme-linked DNA-hybridization assay with electrochemical detection for *Cryptosporidium parvum* hsp70 mRNA. *Analytical Chemistry*, 2003, 75(15):3890-7.
- 2003 Aguilar, Z.P., Fritsch, I. DNA-hybridization Sensor for *C. parvum* hsp70 mRNA gene. *Analytical Chemistry*, 2003, 75:3890-3897.
- 2002 Aguilar, Z.P., Vandaveer, W.R., Fritsch, I. Self-contained microelectrochemical immunoassay for small volumes using mouse IgG as a model system. *Analytical Chemistry*, 2002, 74(14):3321-3329.
- 2002 Aguilar, Z.P. Development of Self-contained Microelectrochemical Bioassay Platforms for Small Volumes. Dissertation submitted for the completion of PhD in Analytical Chemistry, University of Arkansas, Fayetteville, AR, USA, 2002.
- 1989 Aguilar, Z.P. The *fla* genes of *S. typhimurium* responsible for flagellar movements. Waseda University, Tokyo, Japan, 1989.
- 1989 Aguilar, Z.P. Greatest Common Subsequence in the Aromatic Amino Acid t-RNA of *H. volcanii*, *S. cerevisiae*, and *E. coli*. Waseda University, Tokyo, Japan, 1989.
- 1987 Aguilar, Z.P., Magtoto, N. Laboratory Manual in General Chemistry II. Division of Natural Sciences and Mathematics, University of the Philippines, Manila, Phillipines, 1987.
- 1987 Aguilar, Z.P., Nicolas, M., Magtoto, N., Llanos, N. Laboratory Manual In General Chemistry. Division of Natural Sciences and Mathematics, University of the Philippines, Manila, Phillipines, 1987.
- 1984 Aguilar, Z.P. Antimutagenic Effects of some amino acids on Metronidazole and Mitomycin C. Thesis submitted for the completion of Master of Science in Biochemistry, University of the Philippines, Quezon City, Phillipines, 1984.

- 1984 Aguilar, Z.P. University of the East Drinking Water Analysis. National Science Research Foundation, University of the East, 1984.
- 1982 Go-Yao, S., Basas, G., Aguilar, Z.P. Laboratory Manual in Analytical Chemistry. Goodwill Bookstore, Manila, Philippines, 1982.
- 1981 Lorica, A., Aguilar, Z.P., Ralleta, A. Quality Salt by Solar Evaporation. 25. A. Lorica, Z. P. Aguilar, and A. Ralleta, "Quality Salt by Solar Evaporation", Science Research Bulletin, Department of Chemistry, College of Arts and Sciences, University of the Philippines, Quezon City, Philippines, 1981.
- 1981 Lorica, A., Aguilar, Z.P., Ralleta, A. Quality Salt by Solar Evaporation. Science Research Bulletin, Department of Chemistry, College of Arts and Sciences, University of the Philippines, Quezon City, Philippines, 1981.
- 1978 Aguilar, Z.P. Potassium Permanganate for the Oxidation of Water Pollutants. Department of Chemistry undergraduate thesis, University of the Philippines, 1978.

Name Evangeline C. Amor

Gender Female

Civil Status Single

Organizational Affiliations

Scientist 1, University of the Philippines, Diliman, Quezon City

Education

PhD Chemistry, University of the Philippines, Diliman, Quezon City 2003

MS Chemistry, University of the Philippines, Diliman, Quezon City 1998

BS Chemistry, University of the Philippines, Diliman, Quezon City 1989

Fields of Specialization

Natural products chemistry

Chemistry

Organic Chemistry

Enzyme Inhibition Studies

Isolation and Structure elucidation of bioactive compounds from Philippine Plants

Association Membership

Member, National Research Council of the Philippines (NRCP)

Honors / Awards

UP Scientist I Award, 2012

Antonio de Leon Research Award, 2012

Trainings

27th Philippine Chemistry Congress, EDSA Shangri-La Hotel, Metro Manila 2012 Ap 11-13

78th NRCP General Membership Assembly Meeting, Polakabol Ballroom, Manila Hotel, Manila, Philippines 2011 Mr 8

31st Annual PAASE Meeting and Symposium National Institute of Physics, College of Science, University of the Philippines, Quezon City 2011 Je 15-17

26th Philippine Chemistry Congress, Waterfront Hotel, Lahug, Cebu City, Philippines 2011 Ap 13-15

Researches

Completed

Alpha Glucosidase Inhibitory Compounds from Terminalia catappa Leaves

Chemical Transformation of the Methanol Extract of Kyllinga monocephala and its Characterization

Isolation and Structure Elucidation of the Anti-Quorum Sensing Compound(s) of Terminalia cattapa

Analgesic Constituent(s) from *Dioscorea hispida*

Ongoing

Acetylcholinesterase Inhibitory Compounds from *Quisqualis indica* Leaves

Anti-inflammatory principle/s from *Moringa oleifera* Lam. Leaves

Mutagenicity and Clastogenicity Potential of Ulasimang Bato Drug Preparations (Phase II)

Bioassay Guided Isolation of Hypoglycemic Compounds from Philippine Medicinal Plants using Novel Biosensors for Multiple Metabolites

Papers Presented

Amor, E.C. (2012 Ap 11-13). Glucose binding protein (GBP) as a tool for monitoring glucose levels, 27th Philippine Chemistry Congress EDSA Shangri-La Hotel, Metro Manila.

Amor, E.C. (2012). Isolation and identification of phytochemicals from *Morus alba* L. branches that inhibit chemokine-receptor mediated chemotaxis, .

Amor, E.C. (2011 Mr 8). Standardization of an Herbal Dietary Supplement through Identification of Analytical Markers Using High Performance Liquid Chromatography, 78th NRPC General Membership Assembly Meeting Polakabol Ballroom, Manila Hotel, Manila, Philippines.

Amor, E.C. (2011 Je 15-17). Alpha glucosidase inhibitory compounds from *Terminalia catappa* leaves, 31st Annual PAASE Meeting and Symposium National Institute of Physics, College of Science, University of the Philippines, Quezon City.

Amor, E.C. (2011 Ap 13-15). Phytochemical Analysis and Bioactivity Evaluation of an Herbal Dietary Supplement, 26th Philippine Chemistry Congress, Waterfront Hotel, Lahug, Cebu City, Philippines.

Amor, E.C. (). Acetylcholinesterase inhibitory activity of *Diospyrus blancoi* A. DC., *Acacia farnesiana* and *Quisqualis indica*, .

Amor, E.C. (). Alpha glucosidase inhibitory activity of *Helianthus annuus*, *Terminalia catappa* and *Garcinia mangostana* L., .

Publications

- 2012 Kim, Y.J., Kim, H.C., Ko, H., Amor, E.C., Lee, J.W., and H.O. Yang, H.O. Inhibitory effects of aurenfiacin from *Syzygium samarangense* on lipopolysaccharide-induced inflammatory response in mouse macrophages. *Food and Chemical Toxicology*, 2012, 50(3-4):1027-1035.
- 2011 H. Ko, Y.J. Kim, E.C. Amor, J.W. Lee, H.C. Kim, H.J. Kim and H.O. Yang Induction of autophagy by dimethyl cardamonin is associated with proliferative arrest in human colorectal carcinoma HCT116 and LOVO cells.. *Journal of Cellular Biochemistry*, 2011, 9:2471-2479, 2011.
- 2011 Herrera, A.A., Amor, E.C. Antiangiogenic activity of extracts and fractions from an endemic plant *Ardisia pyramidalis* (Cav.) Pers. From Bataan, Philippines using Duck in ovo chorioallantoic membrane assay. *Journal of Medicinal Plants Research*, 2011, 13:2637-2646,.
- 2011 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(3):865-871.
- 2011 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(1):78-82.
- 2011 Kim, Y.J., Kim, H.C., Ko, H., Amor, E.C., Lee, J.W., Yang, H.O. Stercurensin inhibits nuclear factor- κ B-dependent inflammatory signals through attenuation of TAK1-TAB1 complex formation. *Journal of Cellular Biochemistry*, 2011, 112(2):548-58.
- 2010 Kim, Y.J., Ko, H., Park, J.S., Han, I.H., Amor, E.C., Lee, J.W., Yang, H.O. Dimethyl cardamonin inhibits lipopolysaccharide-induced inflammatory factors through blocking NF- κ B p65 activation. *International Immunopharmacology*, 2010, 10:1127-1134.
- 2009 Amor, E.C., Quanico, J.P., Perez, G.G. Analgesic activity of extracts of *Kyllinga monocephala*. *Pharmaceutical Biology - PHARM BIOL*, 2009, 47(7):624-627.
- 2007 Amor, E.C., Villaseñor, I.M., Antemano, R., Perveen, Z., Concepcion, G.P., Choudhary, M.I. Cytotoxic C-Methylated Chalcones from *Syzygium samarangense*. *Pharmaceutical Biology - PHARM BIOL*, 2007, 45(10):777-783.
- 2006 Ghayur, M.N., Gilani, A.H., Khan, A., Amor, E.C., Villaseñor, I.M., Choudhary, M.I. Presence of calcium antagonist activity explains the use of *Syzygium samarangense* in diarrhoea. *Phytotherapy Research - PHYTOTHER RES*, 2006, 1:49-52.
- 1996 Guevara, A.P., Amor, E., Russell, G. Antimutagens from *Plumeria acuminata* Ait. *Mutation Research/Environmental Mutagenesis and Related Subjects*, 1996, 361(2):67-72.

Name Elvira L. Arellano
Place of Birth Cabatuan, Iloilo
Date of Birth March 28, 1956
Gender Female
Civil Status Single
Home Address Tigbauan Road, Cabatuan, Iloilo 5031

Organizational Affiliations

Coordinator, Center for Research and Innovations in Science and Math Education, West Visayas State University La Paz, Iloilo City

Education

Ph.D.Math Education, University of the Philippines, Diliman, Quezon City 1997

Fields of Specialization

Governmental, Educational, and International Policies

Mathematics

Association Membership

Associate Member, National Research Council of the Philippines

Honors / Awards

Outstanding Extensionist Award, WVSU-University Extension Development Office 2010 Ja

Trainings

SOE Conference Meeting of Minds: Conversation About assessment and accountability, University of Guam, Mangilao, Guam Arellano, E.L.

Researches**Completed**

Certificate Program for Non-specialists Teachers in Mathematics: Implications to Reforms in Teachers' Professional Development, 2009

Initial Impact of the Certificate Program for Non-specialists Teachers in Chemistry: Implications to Reforms in Teachers' Professional Development (2009)

Contextualizing Teacher Education Through Community Immersion, 2009

Non-specialists Teachers in Integrated Science: Implications to Reforms in Teachers' Professional Development (2009)

Competencies Achieved by the Field Study Students from the Field Study Courses, (2009)

Mentoring the Mentors Program, The West Visayas State University Experience

Ongoing

Redesigning Large Classes for Technology Enhancement and Resources Development

Evaluation of Mentoring the Mentors as Educational Reform

Biodiversity in the brackishwater ponds and the adjoining mangroves, rivers, and shores in Dumangas, Iloilo: species composition and volume of the pond by-catch in relation to

natural seeding and farm management practices

Teachers Education in the Context of the Community

Papers Presented

Arellano, E.L. (2010 O 22-23). Certificate Program for Non-specialists Teachers in Mathematics: Implications to reforms in Teachers' Professional Development, SOE Conference Meeting of Minds: Conversation About assessment and accountability, University of Guam, Mangilao, Guam.

Arellano, E.L. (2010 O 22-23). Mentoring the Mentors Program: Crossing Boundaries to Serve the Cooperating Teachers and Administrators of West Visayas State University – College of Education Cooperating and Partner Schools, SOE Conference Meeting of Minds: Conversation About assessment and accountability, University of Guam, Mangilao, Guam.

Arellano, L. (2010 O 22-23). Initial Impact of the Certificate Program for Non-specialists Teachers in Physics: Implications to Reforms in Teachers' Professional Development, SOE Conference Meeting of Minds: Conversation About assessment and accountability, University of Guam, Mangilao, Guam.

Arellano, E.L. (2010 O 22-23). Contextualizing Teacher Education Through Community Immersion, SOE Conference Meeting of Minds: Conversation About assessment and accountability, University of Guam, Mangilao, Guam.

Publications

- 2012 Arellano, E.L., Bilbao, P., Palmos, R., Montañó, H., Lazarito, D. Mentoring the Mentors Program: Transforming Teachers, School Leaders and Schools' Achievement. *Development Education Journal of Multidisciplinary Research*, 2012 Ja, 1(1):16 - 38..
- 2010 Arellano, E.L. *Fundamentals of Mathematics 1*. Manila, 2010.
- 2010 Arellano, E.L. *Mathematics Reviewer: Enriching Mathematics Skills*, Iloilo City. ISBN 978-971-0429-10-3, Iloilo City, 2010.
- 2008 Arellano E.L. HIV-Risks and Vulnerabilities of Street Children in Highly Urbanized Cities in the Philippines. *KGPP Operations Research Report*, 2008-2009.
- 2001 Arellano, E.L., Barcenal, T.L., Bilbao, P.P., Castellano, M.A., Nichols, S.E., Tippins, D.J. Using Case-Based Pedagogy in the Philippines: A Narrative Inquiry. *Research in Science Education*, 2001 My, 31(2):211-226..
- 001 Arellano, E.L., Barcenal, T.L., Bilbao, P.P., . Castellano, M.A., Nichols, S., Tippins, D.J. Case-based pedagogy as a context for collaborative inquiry in the Philippines. *Journal of Research in Science Teaching*, 001 Ap, 38(5):502 - 528..

Name Brian S. Bantugan

Gender Male

Civil Status Single

Organizational Affiliations

Institutional Research Officer, Saint Paul University, Manila

Education

Doctorate degree in Communication, University of the Philippines College of Mass Communication, UP Diliman

Fields of Specialization

Humanities

Communication

Gender and Men's Studies, new media studies and cultural studies.

New Media Studies and Cultural Studies

Association Membership

Member, National Research Council of the Philippines

Member, Asian Media Information and Communication Centre

Member, Philippine Association of Communication Educators

Honors / Awards

Gawad Parangal (Service Awards), 2008

Trainings

19th International Women's Film Festival Conference, U.P., Quezon City, Philippines 2010 Mr 9-11

11th APRU Doctoral Students' Conference: Research for the Sustainability of Civilization in Pacifi, Universitas Indonesia Jakarta, Indonesia 2010 Ji 11-16

8th Hawaiian International Conference on Education, Hawaii, USA 2010 Ja 7-10

7th International conference on media, religion, and culture, Ryerson University, Toronto, Canada 2010 Ag 9-13

20th World Congress of the International Association for the History of Religions in University of T, Toronto, Canada 2010 Ag 15-21

Researches

Completed

Tracing early career experiences and attributions to Paulinian education, 2011

The changing landscape of social involvement in St. Paul University Manila, 2011

The Chile exploration: Documenting and understanding the factors that enhance and/or inhibit post-first language learning in the SPU Manila Environment, 2010

Ongoing

SPU Manila Student Engagement 2010

Integrating Peace Education in Development Communication

Helping Botolan Aetas: An Auto Ethnography

Papers Presented

Bantugan, B. (2010 O 25). The Effectiveness of Photo Exhibit as a Potent Information-Education-Communication Tool for Dolphin Conservation, Paul University Dumaguete, Negros Oriental.

Bantugan, B. (2010 Mr 9-11). Care Work Drama Films and Major Filipino Stars: Experiences and Meanings Facilitating Their Production and Consumption, 19th International Women's Film Festival Conference, held at the University of the Philippines, Quezon City, Philippines.

Bantugan, B. (2010 JI 11-16). Care Work Drama Films and Major Filipino Stars: Experiences and Meanings Facilitating Their Production and Consumption, 11th APRU Doctoral Students' Conference: Research for the Sustainability of Civilization in Pacific Rim Past, Present and Future, Universitas Indonesia, Jakarta, Indonesia.

Bantugan, B. (2010 Ja 7-10). Alternative Communication Model for ICT Education: The Ramon Magsaysay High School (Philippines) Experience., 8th Hawaiian International Conference on Education, in Hawaii, USA.

Bantugan, B. (2010 Ag 9-13). The NEST (Network of Engendered Spirituality Talk) of "othered" men: A comparative cross-cultural mapping of non-heterosexual spirituality in cyberspace, 7th International conference on media, religion, and culture, in Ryerson University, Toronto, Canada.

Brian Bantugan (2010). Handle with Care: Experiences and Meanings Facilitating the Production and Consumption of Filipino Care Work Films <http://www.docstoc.com/docs/9366307/1...>, 11th APRU Doctoral Student Conference.

Publications

- 2011 Bantugan, B. S., Canlas, P. R., Dado, P, De Guzman, R., and Garcia, K. To cyberspace and back: Sustaining the educational potentials of Pawikan Conservation Center through online presence and networking. , 2011.
- 2010 Bantugan, B. Alternative Communication Model for ICT Education: The Ramon Magsaysay High School (Philippines) Experience. 8th Hawaiian International Conference on Education, in Hawaii, USA, 2010 Ja 7-10.
- 2010 Bantuga, B. The NEST (Network of Engendered Spirituality Talk) of "othered" men: A comparative cross-cultural mapping of non-heterosexual spirituality in cyberspace. 7th International conference on media, religion, and culture, in Ryerson University, Toronto, Canada, 2010 Ag 9-13.
- 2010 Bantugan, B. The NEST (Network of Engendered Spirituality Talk) of "othered" men: A comparative cross-cultural mapping of non-heterosexual spirituality in cyberspace. 20th World Congress of the International Association for the History of Religions in University of Toronto, Toronto, Canada, 2010 Ag 15-21.
- 2010 Bantugan, B. Care Work Drama Films and Major Filipino Stars: Experiences and Meanings Facilitating Their Production and Consumption. 19th International Women's Film Festival Conference in the University of the Philippines, Quezon City, Philippines, 2010 Mr 9-11.
- 2010 Bantugan, B. Care Work Drama Films and Major Filipino Stars: Experiences and Meanings Facilitating Their Production and Consumption. 11th APRU Doctoral

- Studentsâ€™ Conference: Research for the Sustainability of Civilization in Pacific Rim Past, Present and Future, in Universitas Indonesia, Jakarta, Indonesia, 2010 JI 11-16.
- 2010 Bantugan, B., Baldemor, A. M., and Belen, K. E. Whale Shark Tales: Voices from Donsol, Sorsogon. *The Lens*, 2010, 8(2):85.
- 2010 Bantugan, B., Deza, F. The Chile Exploration: Documenting and Understanding the Factors that Enhance and/or Inhibit Post-First Language Learning in the SPU Manila Environment. *The Paulinian Compass*, 2010, 2(1):83-103.
- 2010 Bantugan, B., Deza, F. The Chile Exploration: Documenting and Understanding the Factors that Enhance and/or Inhibit Post-First Language Learning in the SPU Manila Environment. *The Paulinian Compass*, 2010, 2(1):83-103.
- 2010 Mosquera, R., Hernandez, M. A. F., Limpin, R. L., Ponferrada, R. A., Bantugan, B. An exploratory concept mapping of womenâ€™s understanding of â€œkalaswaanâ€ (lewdness) in EDSA billboards. *The Paulinian Compass*, 2010, 2(1):32-43.
- 2010 Bantugan, B., Delima, M. J., Rivo, C. D., Sarmiento, M. C. A creative online interactive and guerrilla advertising campaign for Paulinian engagement in the 2010 national elections. *The Paulinian Compass*, 2010, 1(4):205-227.
- 2010 Bantugan, B., Vitug-Mallari, L. Guidelines for oral presentation and validation of undergraduate theses. St. Paul University Manila, 2010.
- 2010 Bantugan, B., Vitug-mallari, L. *Questors: Studentsâ€™ Guide to Writing Paulinian Research*. St. Paul University Manila, 2010.
- 2010 News: Reportage or reading. *The Paulinian Compass*, 2010, 1(4):188-204.

Name Juliana C. Baylon

Gender Female

Civil Status Single

Organizational Affiliations

Professor 1, University of the Philippines Visayas, Miagao Campus, Iloilo, Philippines

Education

PhD Fisheries Science, Kagoshima University, Japan 2007

Fields of Specialization

Crab Reproductive Biology Email: profjbaylon@yahoo.com

Broodstock Management and Larval Rearing

Fisheries Science

Honors / Awards

UP Scientist 1 Award, Scientific Productivity System UPV 2011-2013

President Nemenzo's 2003 International Publication Award, University of the Philippines, Diliman, Q.C., 2004 Mr 17

President Nemenzo's Research and Creative Writing Grant, University of the Philippines 2003 JI-2004 Je

Hortencia Benedicto Professorial Chair Award, University of the Philippines 2003 Ja-D

Research Supervisor to Sorongon, Arcillas, Bugayong, Del Castillo, U.P. High School awardees for Bes,

Hortencia Benedicto Professorial Chair Award for Assistant Professor in Biology, UPV

Researches

Refinement of Larval Rearing Techniques of 5 Portunid Crabs in the Philippines, October 2005 –September 2006. UPV In-house Research Grant

Broodstock management and larval rearing of *Portunus pelagicus*. Funding is provided by President Nemenzo's Research and Creative Writing Grant, University of the Philippines, July 2003-June 2004.

Completed

Verification trials for large-scale production of crablets of *Scylla serrata*. (July 1999- June 2000)

Determination of the fatty acid content of *Artemia* hatched at the different temperatures and collected at different hours

Broodstock Management and Larval Rearing of *Charybdis feriatus*. (March 2002-February 2003)

Development of Improved Mud Crab Culture Systems in the Philippines and Australia, (January 1996-December 1999)

Visayan Sea Coastal Resource and Fisheries Management Project (Integrated Mud Crab Culture System)

Broodstock management and larval rearing of *Portunus pelagicus*

Broodstock management and larval rearing of a portunid swimming crab, *Charybdis feriatus*

Ongoing

Fishery, reproductive biology and larval rearing techniques for the red frog crab *Ranina ranina*

Papers Presented

Baylon, J.C. (2011 Ap 21-25). Reproductive biology of the red frog crab *Ranina ranina* from southwestern Mindanao, Philippines, 9th Asian Fisheries Forum, Shanghai Ocean University, Shanghai China.

Baylon, J.C. (2006 S 13-14). Effects of salinity and temperature on survival and development of larvae and juveniles of *Charybdis feriatus*, nn". Paper presented at the International Forum on the Coastal Environment and Utilization of Fisheries Resources/ JSPS-DOST Core University Program in Fisheries Science, Iloilo City, Philippines.

Baylon, J.C. (2004 O 14-27). Embryonic development of eggs and larvae of the three species of *Scylla* (*S. serrata*, *S. olivacea*, *S. tranquebarica*) at different salinities, Inamaboro Convention Hall, Kagoshima University, Japan.

Baylon, J.C. (2004 O). Broodstock management and larval rearing of 5 species of portunid crabs, Paper presented before Japanese professors, Filipino and Japanese students at Kagoshima University, Kagoshima, Japan.

Baylon, J.C. (2001 N 26-D1). Ingestion of the mud crab *Scylla serrata* larvae on *Brachionus* and *Artemia*, Paper presented at the 6th Asian Fisheries Forum, National Sun Yat Sen University, Kaohsiung, Taiwan.

Baylon, J.C. (2001 Ja 8--10). Hatchery techniques for the mud crab, *Scylla serrata*: Effects of different diet combinations and feeding schemes on survival and metamorphosis of the zoeal stages of the mud crab, *Scylla serrata* and Broodstock management and larval rearing protocols on mud crab developed at UPV hatchery, International Workshop on Mud Crab Rearing, Ecology and Fisheries held at Can Tho University, Vietnam.

Baylon, J.C. (1998 N 10-15). Broodstock management larval rearing protocols for the mud crab, *Scylla serrata* (Forsk), 5th Asian Fisheries Forum, Chiang Mai, Thailand.

Baylon, J.C. (1998 D 1-4). Effect of salinity on growth and metamorphosis of zoea to megalopa of the mud crab, *Scylla serrata*. A paper presented at the, International Forum on the Culture of Portunid Crabs held at the Pink Patio Boracay, Aklan, Philippines.

Baylon, J.C. (1997 Ap). Problems encountered in larval rearing of mud crab in large tanks. A paper presented at the Mud Crab International Scientific Forum held in the Northern Territory, Darwin, Australia, April, 1997., Mud Crab International Scientific Forum held in the Northern Territory, Darwin, Australia.

Baylon, J.C. (1996. Mr 16-28). Reproductive biology of the mud crab, *Scylla serrata*, Asian Science Seminar: Reproductive Biology and Biotechnology in Aquatic Animals - Asia '96. A JSPS-sponsored seminar held at Bioscience Center, Furocho, Chikusaku, Nagoya, Japan.

Baylon, J.C. (1996 O). Preliminary results on the hatchery of the mud crab, *Scylla serrata* at UPV. A paper presented to the Australian scientific research evaluators, Bribie Island Aquaculture Centre, Brisbane, Australia.

Baylon, J.C. (1995 O 16-20). Spawning and larval rearing of the mud crab, *Scylla serrata*,

4th Asian Fisheries Forum, Beijing Convention Center, Beijing, China.

Publications

- 2011 Effects of salinity and temperature on survival and development of larvae and juveniles of the mud crab *Scylla olivacea*. *Philippine Agricultural Scientist*, 2011, 94(2):195-204.
- 2009 Baylon, J.C. Appropriate food, feeding scheme and prey density in the larval rearing of *S. tranquebarica* larvae. *Aquaculture 2009 issue.*, 2009.
- 2008 Baylon, J.C. Effect of feeding scheme and prey density on survival and development of *Scylla olivacea* zoea larvae. *UPV J. Nat. Sci*, 2008 D.
- 2007 Baylon, J.C. Appropriate food type, prey density and stocking density in the larval rearing of *Portunus pelagicus* L.(Crustacea:Decapoda:Portunidae). *UPV Journal of National Science*, 2007, 12:185-196.
- 2007 Baylon, J.C., Suzuki, H. Effects of changes in salinity and temperature on survival and development of larvae and juveniles of the crucifix crab *Charybdis feriatius* (Crustacea: Decapoda: Portunidae). *Aquaculture*, 2007, 269:390-401..
- 2005 Baylon, J.C., Suzuki, H., Abarca, J., Genandoy, C. Ingestion of *Brachionus* and *Artemia* nauplii by zoea larvae of *Charybdis feriatius* (Crustacea:Decapoda:Portunidae). *UPV Journal of Natural Science*, 2005, 10:221-232.
- 2004 Baylon, J.C. Ingestion of *Brachionus plicatilis* and *Artemia salina* naup/ii by mud crab *Scylla serrata* larvae. *Aquaculture Research*, 2004, 35:62-70.
- 2002 Baylon, J.C., Bachoco, A.M., Huyo, M.P., Gallo, J. Prey density and feeding scheme using rotifer (*Brachionus plicatilis*) and brine shrimp (*Artemia salina*) on survival and development from zoea to megalopa of the mud crab *Scylla serrata* (Crustacea:Portunidae). *U.P.V. Journal of Natural Science*, 2002, 4:21-31..
- 2002 Failaman, J.G. Genodepa, S. Santos-Garibay and G.A.A. MamonFortes, R.D., J.C. Baylon, E. T. Marasigan, A.N. A Guide to Hatchery and Nursery Production of Mud Crab (*Scylla serrata*) juveniles. College of Fisheries and Ocean Sciences, University of the Philippines in the Visayas, Miagao, Iloilo, Philippines and Philippine Council for Aquatic and Marine Research and Development, DOST, Los Baños, Laguna, Philippines, 2002:48 pp..
- 2001 Baylon, J.C., Failaman, A.N., Vengano, E.L. Effect of salinity on survival and metamorphosis from zoea to megalopa of the mud crab *Scylla serrata* Forskal (Crustacea:Portunidae). *Asian Fisheries Science*, 2001, 14:143-151.
- 1999 Baylon, J.C., Failaman, A.N. Larval rearing of the mud crab *Scylla serrata* in the Philippines. *Proceedings of an international scientific Mud Crab Aquaculture and Biology/ forum held in Darwin, Australia, 21-24 April 1997*. Keenan, C.P. and Blackshaw, A (editors). pp. 141-146., 1999.
- 1997 Baylon, J.C., Failaman, A.N. Survival of mud crab *Scylla oceanica* from zoea to megalopa when fed the rotifer *Brachionus* sp. and brine shrimp *Artemia* nauplii. *UPV Journal of Natural Science*, 1997, 2:9-16.

Name Lucia M. Borines

Gender Female

Civil Status Single

Organizational Affiliations

Associate professor IV, LSU, Visca, Baybay, Leyte

Head, Plant Disease Diagnostic Laboratory, Visayas State University, VisCA, Baybay, Leyte 6521-A

Education

Ph.D. in Plant Pathology, UPLB, College, Laguna 2001

Fields of Specialization

Biological Sciences

Plant Pathology

Agriculture

Association Membership

Member, National Research Council of the Philippines NRCP)

Honors / Awards

DA-BAR Citation Award, DA-BAR, Quezon City 2007 O 3

Best Paper Award Basic Research Category, 18th Regional Research and Development /Extension Symposium 2006

Crop Science Society of the Philippines Best Paper Award Upstream Category, Crop Science Society of the Philippines 2006

Exemplary Teacher Award, Visayas State University (VSU), 83rd Anniversary Celebration 2007 Ag 11

PhiDelta Outstanding Undergraduate Thesis (Pure Life Science Category), 2007 VSU Commencement Exercises, 2007 Ap 2

Outstanding R & D Awardees, LBSCFI 2003

AFMA Best R & D Paper (Gold Award) Basic Research Category for the Paper, AFMA 2012

Trainings

End-of-Program Conference & Dinner for the ACIAR-PCAARRD Southern Philippines Fruits & Vegetables Pr, Cebu Parklane International Hotel, Cebu City 2012 JI 3

19th Regional Research and Development/Extension (RDE) Symposium, 2007 My 24-25

38th Anniversary and Scientific convention of the Pest Management council of the Philippines, Inc., Bohol Tropics Resort, Tagbilaran City Bohol 2007 Mr 20-23

Researches

Completed

Screening of abaca germplasm for against Fusarium wilt caused by Fusarium oxysporum f.sp. Cubense

Marker-aided backcrossing of bacterial blight resistance genes in hybrid rice maintainer and restorer lines.

Reaction of hybrid rice and component lines to important diseases and insect pests.

On-going

Efficacy of chemical activators of systemic acquired resistance (SAR) for the control of bacterial blight and blast diseases of rice

Characterization and identification of prevalent races of *Xanthomonas oryzae* PV. *Oryzae* in major inbred rice growing areas in the Philippines for effective breeding and gene deployment strategies to bacterial blight disease

Papers Presented

Borines, L.M. (May 8-11, 2012). Etiology of Fruit Bronzing, A New Disease Affecting Jackfruit Caused by *Pantoea stewartii* (Smith) Mergaert et al. (Paper), Pest Management Council of the Philippines 43rd Annual Scientific Conference.

Borines, L.M. et al. (2012 O 12-17). Etiology and Incidence of Jackfruit Decline in the Philippines (Paper), 24th National Symposium, DA-BAR, RDMIC Bldg., Visayas Ave. cor. Elliptical Road, Diliman, Quezon City.

Borines, L.M. (2012 My 8-11). Resistance Elicitors for the Control of Phytophthora Disease of jackfruit (*Artocarpus heterophyllus* Lam) Seedlings (Poster), Pest Management Council of the Philippines 43rd Annual Scientific Conference.

Borines, L.M. (2012 Je 21-22). Integrated Management of Phytophthora Disease of Jackfruit in the Southern Philippines, Level 2 Cluster Review, OVPRE, VSU, Visca, Baybay City, Leyte (Paper).

Borines, L.M. (2007 My 24-25). Characterization of prevalent races of *Xanthomonas oryzae* pv. *oryzae* in major rice growing areas in the Philippines for effective breeding and gene deployment strategies for bacterial blight disease, 19th Regional Research and Development/Extension (RDE) Symposium.

Borines, L.M. (2007 My 21). Antimicrobial property of chitosan and induction of systemic acquired resistance for the control of rice bacterial blight caused by *Xanthomonas oryzae* pv. *oryzae* Swings et al., NRCP regional Cluster Meeting, VSU, Visca, Baybay Leyte.

Borines, L.M. (2007 Mr 20-23). Marker-aided backcrossing of bacterial blight resistance genes in Hybrid rice maintainer and restorer lines, 38th Anniversary and Scientific convention of the Pest Management council of the Philippines, Inc., Bohol Tropics Resort, Tagbilaran City Bohol.

Borines, L.M. (2007 Mr 13-15). Marker-aided backcrossing of bacterial blight resistance genes in Hybrid rice maintainer and restorer lines, 20th National Rice R & D Conference held at PhilRice.

Publications

8112 Borines, L.M. Integrated Management of Phytophthora Disease of Jackfruit in the Southern Philippines (Poster). Pest Management Council of the Philippines 43rd Annual Scientific Conference, May 8-11, 2012.

Agarcio, J.M.S., Borines, L.M. et al. Development of bacterial blight resistant hybrid rice parental lines through bi-directional marker-aided selection. *Molecular Breeding*, In press.

2012 Borines, L.M. et al. Etiology of Fruit Bronzing, A New Disease Affecting Jackfruit Caused by *Pantoea stewartii* (Smith) Mergaert et al. (Paper). *Proceedings of the Pest*

Management Council of the Philippines 43rd Annual Scientific Conference, 2012 My 8-11.

- 2012 Borines, L.M., Guadalquiver, G.A., Palermo, V.G., De la Cruz, C.S., Abuyabor, J., Pedroso, M.A., Marcelino, R., Munoz, J., Daniel, R., Guest, D. Participatory Action Research (PAR) on Phytophthora Management delivers positive outcomes for Smallholder Jackfruit Farmers. Proceedings of the End-of-Program Conference & Dinner for the ACIAR-PCAARRD Southern Philippines Fruits & Vegetables Programs, Cebu Parklane International Hotel, Cebu City, 2012 Jl 3.
- 2012 Borines, L.M. et al Harnessing Crustacean Chitosan Antimicrobial and Resistance Elicitor Properties for Agriculture and Fishery Products. Consultative Meeting for the CHED-GIA Funded Projects, 2012 F.
- 2012 Borines, L.M., Gerona, R.G., Palermo, V.G., Guadalquiver, G.A., Drenth, A., Daniel, R., Guest, D. Jackfruit decline in the Philippines is caused by Phytophthora palmivora (Butler). Australasian Plant Pathology Journal, 2012.
- 2007 Borines, L.M., Salamat, E.E., Cardines, R.B. Reaction of abaca germplasm to fusarium wilt caused by Fusarium oxysporum f.sp. Cubense (E.F. Smith) Snyder and Hans.. Annals of Tropical Research, 2007, 29(1):43-62.
- 2003 Borines, L.M. et al. Marker aided pyramiding of bacterial blight resistance genes in maintaining lines of rice (*Oryza sativa* L.) hybrids. , 2003.

Name Mario V. Capanzana
Place of Birth Lopez, Quezon
Date of Birth August 5, 1955
Gender Male
Civil Status Married
Home Address 39 Sierra Madre St., Phase 4-A, Bloc 2, Lot 7, Pacita Complex I, San Pedro Laguna

Organizational Affiliations

Director, Food and Nutrition Research Institute, FNRI Bldg., DOST Compound, Gen. Santos Avenue, Bicutan, Taguig City

Education

Ph.D. Food Science and Technology, University of New South Wales, Sydney, NSW, Australia 1991 F - 1996 My

M.Sc. Food Technology, Mysore University, Mysore, Karnataka, India 1987

Post Grad. Dip. Applied Food Science, Hawksbury Agricultural College, Richmond, NSW, Australia 1981

BS Chemical Engineering, National University, Sampaloc, Manila 1972 Ap - 1977 Je

High School Graduate, St. Peter School, Calauag, Quezon 1968, Ap - 1972, Je

Fields of Specialization

Food Science

Employment

Chief, SRS & OIC office of the Director, DOST-FNRI, 2004 Ap 6 - 2005 JI-

Chief, SRS, DOST-FNRI, 1999 Ap16-2004 Ap15-

Senior SRS, DOST-FNRI, 1991 F 8-1999 Mr31-

SRS II, DOST-FNRI, 1984 Ja1-1991 F7-

SRS I, DOST-FNRI, 1980 My1-1983 D31-

SRA I, DOST-FNRI, 1978 Ja 6-1980 Ap30-

Professor, Food Engineering & other Food Technology Subjects, Polytechnic University of the Philippines, 1987 - 1991-

Professor, Food Engineering & other Food Technology Subjects-, Polytechnic University of the Philippines, 1996 - 2007-

Professor/lecturer, Food Engineering, University of the Philippines, College of Home Economics, 1997 - 1998-

Professorial Lecturer: Food Packaging (graduate program), University of the Philippines, College of Home Economics, 2005 - 2006-

Asst. Professor, Nuclear Chemistry, Adamson University, Graduate School, 1996 - 1997-

Lecturer of Food Engineering & other Food Technology Subjects, University of Sto Tomas

(UST), 1987 - 1991-

Lecturer, Special Science High School, Eulogio "Amang" Rodriguez Institute of Science and Technology (EARIST), 1981 - 1985-

Association Membership

President Elect, Philippine Association of Nutrition

President Elect & Founding Member, University of New South Wales Alumni Association - Phil. Chapter

President, Food Science and Technology Council

Convenor, Food Science and Technology Council

President - PICHE DOST Chapter, Philippine Institute of Chemical Engineers (PICHE)

Treasurer - PICHE-DOST Chapter, Philippine Institute of Chemical Engineers (PICHE)

Member - PICHE DOST Chapter, Philippine Institute of Chemical Engineers (PICHE)

PRO, Philippine Association of Food Technology

Member, Philippine Association of Food Technology

Member, Philippine Association of Food Technology

Member, Philippine Association of Nutrition (PAN)

President, Filipino Student Society of the University of NSW (FSSU)

Member, Filipino Student Society of the University of NSW (FSSU)

Member, Filipino Student Society of the University of NSW (FSSU)

Member, Australian Institute of Food Science and Technology (AIFST)

Member, Food and Nutrition Research Foundation

Auditor, Polytechnic University of the Philippines (PUP) Faculty Club

Member, Polytechnic University of the Philippines (PUP) Faculty Club-

Member, University of Sto. Tomas Faculty Club

-, UNICEF

Member, South East Asian Glutamate Society

Member, TAIYO KAGAKU Co. Ltd.

Member, SEAMEO Regional Center for Graduate Study and SEARCA and ENSIA

Member, Micronutrient Operational Strategies and Technologies (MOST) - USAID

Member, ASEAN Sub-Committee on Food Science and Technology (ASFST)

Member, International Life Science Institute - Council for Health Promotion (ILSI-CHP)

Member, ASEAN-Australian Economic Cooperation Program: ASEAN Protein Project

Chairperson, CHED

Co-chairman, IPR

Member, Codex

Chairperson, Internal Audit
Co-chairman, Tech Transfer Bill
Member, Food Safety

Honors / Awards

Chemical Engineering Board Passer, PRC 1997 O
AUSAID Scholar, University of New South Wales 1991 F - 1996 My
Colombo Plan Scholar, 1985 Ja - 1987 D
ASEAN Protein Project Scholar, 1980 Ja - 1981 Ja
PVAO Scholar, 1972 Ap - 1977 Je
3rd Place Best Poster Paper, ASEAN Foundation 2000 N 22
Certificate of Appreciation, University of New South Wales, International Students Centre 1994 N 25
Best Performance in the Seminar Presentation by a Student Proceeding, The Spru & Ferguson Patent & Trade Mark Prize 1993 F
First Class Honours - Master of Science in Food Technology, Mysore University, Mysore, India 1980-1981
Doctoral Fellowship/Scholarship Award, Australian Agency for International Development (AusAID) 1991-1996
Fellowship/Scholarship Award, Colombo Plan Technical Cooperation 1985-1987
Graduate Scholarship Award, ASEAN-Australian Economic Cooperation Program 1980-1981
Certification of Recognition as Qualifier, DOST-FNRI 2006 F 27
FELLOW Award (Food Research), Philippine Association of Nutrition (PAN) 2003 JI 3
LIKHA Award (Creative Research), 3rd Place: Food & Agriculture Category, TAPI-DOST 2000 N 15
Philippine Veterans Scholarship Grant (undergraduate course), Philippine Veterans
1st Place, Poster Paper Competition, FNRI-DOST 2006 JI 7
3rd Place, Poster Paper Competition, FNRI-DOST 2006 JI 7
5th Place, Poster Paper Competition, FNRI-DOST 2004 JI 7
1st Prize Winner, Poster Paper Competition, Science and Technolog Category, FNRI-DOST 2003 JI 2
3rd Prize Winner, Poster Paper Competition, Research and Development Category, FNRI-DOST 2003 JI 2
4th Prize Winner, Poster Paper Competition, Research and Development Category, FNRI-DOST 2003 JI 2
2nd Prize Winner, Poster Paper Competition, Research and Development Category, FNRI-DOST 2002 JI 4
1st Prize Winner, Poster Paper Competition, Research and Development Category,

FNRI-DOST 2001 JI 6

3rd Place, Best Poster Paper, FNRI-DOST 2000 JI 7

1st Prize Best Poster Paper, FNRI-DOST 1999 JI 14-15

Certificate of Appreciation, Philippine Coconut Authority 1999 S 22

Certificate of Appreciation, Philippine Pediatric Society, Inc. 1997 JI 31

Certificate of Merit, Department of Science and Technology 1997 Mr 24

Certificate of Appreciation, Polytechnic University of the Philippines (College of Science) 1997 F 24

Award of Recognition, FNRI-DOST 1996 D 18

Certificate of Merit, Polytechnic University of the Philippines, College of HRM, Food Science and Technology 1990 Mr 30

Certificate of Recognition, FNRI-NSTA 1987

Trainings

Joint 15th Annual Convention on Hypertension and Lipid Clinics: Basic and Updates, Crownw Plaza Hotel, Galleria 2010F 10-12

28th PAFT Annual Convention Reshaping the Food Industry: Perspective for the Next Decade, Heritage Hotel, Manila 2010 S 21-23

Creating Shared Value Forum: Nutrition, Water, Rural Devt. Bus & Global Devt. 2010-2020, Mermaid Conference Center, London, UK 2010 My 27

2010 NSTW Regional Celebration Beyond Borders: Reaching New Heights through S&T, Phela Grande, General Santos City 2010 JI 28-29

Consultation Meeting & Workshop on Scaling Up Nutri Investments in East Asia & Pacific Region, Melia Bali Hotel and Resort, Indonesia 2010 Je 8-11

Workshop on Research Performance Evaluation and Support, Traders Hotel, Manila 2010 Ja 25-27

Workshop on Healthy Kids Global Programme: Partnership Day 2010, Grange Hotel St. Paul, London UK 2010 My 26

National Workshop on Technology Management for Publicity Funded Universities & R&D Institution, Traders Hotel 2010 JI 15-18

71st PIChe National Convention, DAP, Tagaytay City 2010 F 17-19

12th NIH Anniversary and 8th University S&T Week Nutrition & Health Survival and Beyond, UNILAB Bayanihan Center, Mandaluyong City 2010 F 12

Symposium on Health in the Western Pacific Region, Crownw Plaza Hotel, Galleria 2010 F 13

Creating Shared Value Forum, New World Hotel, Makati City 2010 Ap 23

NIH 11th Anniversary & 7th University S&T Week, Pan Pacific Hotel, Manila 2009 F 12-13

Seminar on the Industrial Role of Cooking Oil Fortification w/ Vit. A, Jakarta, Indonesia 2009 Ap 20-21

Seminar for Food Safety Policy Making and Management, Tokyo, Japan 2009 Ag 8 - S 12

19th International Congress of Nutrition, Bangkok, Thailand 2009 O 4-9

2009 PSND Annual Convention "Ensuring Good Nutrition in Challenging Times, Dusit Thani Hotel, Makati City 2009 O 13

Micronutrient Forum, People's Republic of China 2009 My 12-15

102nd PMA Annual Convention & 13th MASEAN mid-term Council Meeting, EDSA Shangrila Hotel, Mandaluyong City 2009 My 19-22

2009 DOST Visayas Cluster Management Conference, Sugarland Hotel, Bacolod City 2009 Mr 4-5

Policy Forum on Nutrition Labeling & Consumer Education Towards Healthy Food Choices, Bayview Park Hotel, Manila 2009 Mr 17

The 1st Philippine Conference on L-Carnitine: The Energy Nutrient, Asian Institute of Management, Makati City 2009 Je 19

Seminar "Towards an R&D Agenda on Nutrigenomics", Heritage Hotel, Manila 2009 F 19

PLAS & PHS Joint 14th Annual Convention "Bridging Basic Sci & Clinical Practice in Atherosclerosis, Crowne Plaza Hotel Galleria, Mandaluyong City 2009 F 11-13

Workshop on the Review on Technical & Economic Feasibility of Rice Fortification in Indonesia, Jakarta, Indonesia 2009 D 5-7

Workshop on Rice Fortification Future Potential for an Alliance: How can we Make it Work, Sydney, Australia 2009 D 1-2

100th Anniversary Symposium of UMAMI Discovery, Tokyo, Japan 2008 S 12-15

The 5th Basic Taste UMAMI Conversations, Marco Polo Hotel, Cebu City 2008 My 28

1st Mindanao Conference on Existing and Emerging Issues on Food Safety, DOST Regional Office 2008 Mr 6-7

30th Scientific Meeting, Manila Hotel 2008 JI 9-10

34th FNRI Seminar Series "Sa Wastong Nutrisyon ni Mommy, Siguradong Healthy si Baby", FNRI Auditorium 2008 JI 15-16

5th ASEAN COST and Sub-Committee Meetings, Manila Hotel 2008 JI 1-6

8th ASEAN, S&T Week "Scientific and Technical Conferences, Manila Hotel 2008 JI 3-4

4th Public Health Convention on the Prevention & Control of Non Communicable Diseases, Bayview Park Hotel, Manila 2008 JI 24-25

2008 Human Nutrition and Health Training, Missouri, USA 2008 Je 14-27

Philippine Tid Association Inc. 23rd Annual Convention, Sofitel Philippine Plaza Hotel 2008 Ja 19-20

15th International Congress of Dietetics, Yokohama, Japan 2008 S 7-11

The 2008 SMPFC R&D Technical Forum & 47th PAFT Annual Convention, San Miguel, Cavite Plant 2008 S 26

Midwest Workshop on Bldg Bridges: Nutrition Assistance & Sustainable Devt w/ Soy, Illinois, USA 2008 O 19-28

5th Asian Conference on Food and Nutrition Safety, Shangri-La's Mactan Island Resort, Cebu 2008 N 5-7

PCHRD 26th Anniv "Research Translation, Platforms for Making Health Research Work for Filipinos", PAN Pacific Hotel, Manila 2008 Mr 17

The Phil. Association of Nutrition, Inc. 61st Annual Convention, Xavier Sports & Country Club, Cagayan de Oro City 2008 Jl 30-31

Annual Meeting of the Institute of Food Technologists, New Orleans, USA 2008 Je 29-30

Joint 7th Human Genome Organization-Pacific Meeting & 8th Asia-Pacific Conf. on Human Genetics, Shangri-La's Mactan Island Resort, Cebu City 2008 Ap 2-5

PSND 4th Regional Convention Adolescent's Life: Concerns and Issues, Family Country Hotel, General Santos City 2007 S 20-21

Salt Iodition Program Planning Workshop for 2007-2010, Orchid garden Suites, Manila 2007 Mr 7-9

The Phil. Assn. of Nutrition, Inc. 60th Annual Convention "PAN @ 60: Mobilizing the Youth for Nutri, Palawan Convention Center 2007 Jl 5-6

33rd FNRI Seminar Series on R&D and other S&T Proj. Nutrisyon ng Kabataan, Mahalaga sa Kinabukasan, FNRI Auditorium 2007 Jl 10-11

38th Annual Meeting of SEAAGS, Bali, Indonesia 2007 Je 10-11

68th PIChe National Convention on Academe & Industry: Synergizing for Global Cooperation & Competiti, Manila Pavilion Hotel 2007 Ja 21

53rd Meeting of ASEAN COST and ASCFST, Da Nang, Vietnam 2007 Ap 23-24

10th Asean Food Conference, Serdang, Kuala Lumpur, Malaysia 2007 Ag 21-23

10th Asian Congress on Nutrition: Diet Nutrition & Optimal Health: From Food Supply to Nutrigenomics, Taipei rnational Convention Center, Taipei 110, Taiwan 2007 S 9-13

Pre-Congress Workshop: Strategic Management on Food and Nutrition Research, The Howard International House, Taipei, Taiwan 2007 S 6-8

PCHRD 25 Years and Beyond "Making Life Better through Health Research, Crowne Plaza Galleria Hotel 2007 Mr 16

International Workshops on Laboratory Quality Standards Towards Global Competitiveness, City Garden Suites A, Manila 2007 D 1-7

Annual SET-UP Planning Workshop, Asturias Hotel, Puerto Princesa 2007 D 10-14

Micronutrient Forum, Istanbul, Turkey 2007 Ap 16-19

Ethics Review Workshop, Pan Pacific Hotel, Metro Manila 2006 Mr 17

Functional Food Workshop, Traders Hotel, Manila 2006 Mr 10

National Academy of Science Annual Convention, Manila Hotel 2006 Jl 12-13

32nd FNRI Seminar Series on Research & Devt. and other S&T Projects, FNRI Auditorium 2006 Jl 6-7

Technology Transfer, Philippine Plaza Hotel, Pasay City 2006 Je 28-29

8th International Food & Beverages Manufacturing Technologies Exposition 2006, PICC 2006 Je 21-23

Carrier Executive Service/Performance Evaluation System Workshop ASIN Law Symposium-, Holiday Inn Galleria Hotel, Manila 2006 Ja 24

Carrier Executive Service/Performance Evaluation System Workshop ASIN Law Symposium, Diliman, Quezon City 2006 F 3

National Conference of Nutrition Stakeholders: "Repositioning Nutrition in the Dev't. Agenda, Century Park Hotel, Malate, Metro Manila 2006 Ap 4-5

2nd International Congress on Horticulture, Convention and Exhibition Center (COEX), Seoul, South Korea 2006 Ag 14

Phil. Assn. for the Study of Overweight & Obesity 12th Annual Conv-"Winning the War Against Obesity, Century Park Hotel, Manila 2006 S 2

CY 2006 SET-UP Planning Workshop, Castle Peak Hotel, Lahug, Cebu City 2006 Mr 3-4

APEC-Industrial Science & Technology Working Group (IST-WG) Meeting, New World Hotel, Makati, Metro Manila 2006 Mr 28-29

3rd Public Health Convention on NCD prevention & Control, Manila Pavilion Hotel 2006 JI 27-28

67th PICHE National Convention: The Chemical Engineer CARES, Phela Convention Center, General Santos City 2006 F 9-11

National Consultative Workshop PNHRs Unified Nat'l. Health Research Agenda, Hotel Kimberly, Malate, Manila 2006 Ap 6

ASEAN COST, Sub-committee on Food Science and Technology Meeting (ASCFST), International Convention Center, Brunei Darussalam 2006 Ap 24-25

Fruits and Vegetables for Health Workshop, Convention and Exhibition Center (COEX), Seoul, South Korea 2006 Ag 15-16

Rice Fortification Conference/Meeting, Rembrant Hotel, Quezon City 2005 S 9

Conference: State of Nutrition in the Philippines, Crowne Plaza Hotel, Mandaluyong City 2005 O 25

44th PAFT Inc. Annual Convention: "New Tech., Perspective & Horizons for the Food Industry", Crown Plaza Galleria Manila, Quezon City 2005 N 23-25

58th PAN Annual Convention: Good Governance: Community & Family Driven Strategies for Nutrition, Waterfront Hotel, Lahug, Cebu City 2005 JI 21-22

16th Annual Science & Technology Fair, Philippine Trade and Training Center, Pasay City 2005 JI 13

DOST Technologies, MegaMall, Mandaluyong City 2005 JI 23

Seminar Workshop on Enhancing Food & Nutrition Security in Phil. Rural Setting, Splash Mountain Oasis Resort & Hotel, Los Baños, Laguna 2005 Je 23-24

FNRI Seminar Series, Tacloban City, Leyte 2005 Je 27-29

Intellectual Property Rights, Dusit Hotel, Makati City 2005 Je 20-21

66th PICHE Convention, Ilo-ilo City 2005 F 10-12

Food Fortification Symposium, 2005 Ap 13

9th ASEAN Food Conference "Emerging S&T in the Devt. of Food Industry in the ASEAN, Hotel Bidakara, Jakarta, Indonesia 2005 Ag 8-10

Orientation Seminar-Workshop on Tech. eds Assessments to Support SET-UP

Implementation VisMin, Castle Peak HI, Cebu City 2005 Ag 2-3

Orientation Seminar-Workshop on Tech. eds Assessments to Support SET-UP Implementation Luzon, Hotel Supreme, Baguio City 2005 Ag 18-19

National Conference on Food Fortification, Heritage Hotel, Roxas Blvd., cor EDSA, Pasay City 2005 S 8

Region VI-Research Dissemination and Utilization Workshop, Cebu City 2005 S 7-9

Practical Aspects of Local and International Licensing, 6th Flr., Conference Rm., Intellectual Property Office, Makati City 2005 N 24-25

Technology Valuation, Tacloban City, Leyte 2005 My 4

Technology Valuation, Conference Room, ASTI Diliman, Quezon City 2005 My 30-31

Roundtable Discussion: Iron Fortification of Rice, Richmond Hotel, Mandaluyong City 2005 Mr 7

FNRI Seminar Series, FNRI-DOST Auditorium, Bicutan, Taguig City 2005 JI 5-6

Public Hearing on the Proposed Policies and Standards for BS Food Technology Program, SEAMEO-INNOTECH, Commonwealth Ave., Diliman, Q.C. 2005 D 2

Consultative Meeting on MSG Intake-A collaborative Project, Amari Hotel, Bangkok Thailand 2005 Ag 25-26

Seminar Workshop on Shelf Life Testing and Nutrition Labeling, Cebu City 2004, Mr, 22-26

Food Fortification, Bulacan 2004 S 16

ASIAN Food Safety Forum, Marriotte Hotel, Kuala Lumpur, Malaysia 2004 S 23-24

Workshop on Food Tech Standard, UP Center 2004 O 20-21

22nd Int'l. Vit A Consultative Group (IVACG) Meeting, Sheraton Hotel, Lima Peru 2004 N 15-16

ILSI Manila Meeting: Update on Food Fortification, Shangri-la Plaza Hotel, Mandaluyong City 2004 N 1-2

Management Association of the Philippines Meeting: State of Nutrition Address, Makati City 2004 JI 27

FNRI Seminar Series, FNRI Auditorium, Bicutan, Taguig City 2004 JI 6-7

Writeshop/Workshop on Implementing Guidelines on Rice Fortification, 8 Waves Resort and Hotel, Cabanatuan City 2004 Je 21-23

ASIAN-EUROPEAN Executive Training for Food Industry: MS in Food S&T, Kastsart University, Bangkok, Thailand 2004 Ja 19-23

Food Fortification, Bureau of Plant & Industry, Quezon City 2004 Ag 26

Workshop Towards the Operationalization of DOST Technology Needs Assessment Protocol, FNRI-DOST, Bicutan, Taguig City 2004 Ag 16-19

Technology Needs Assessment Seminar Workshop, Cebu City 2004 Ag 16-19

ASEAN Training Course on Functional Foods, LIPI, Bandung, Indonesia 2004 N 30 - D 2

International Zinc Consultative Group (IZINCG) Meeting, Sheraton Hotel, Lima, Peru 2004

N 18

2004 Int'l. Nutritional Anemia Consultative Group (INACG) Meeting, Sheraton Hotel, Lima Peru 2004 N 17

Food Fortification, SM Mega Mall, Mega Trade Hall, EDSA Mand. City 2004 Ja 1

Functional Food, Shangri-la Hotel, Makati City 2004 F 6

65th PICHE National Convention: E4: Environment, Energy, Education, Entrepreneurship, Dusit Hotel Nikko, Makati City 2004 F 19-21

45th ASEAN Committee on S&T & 26th ASEAN Sub-committee on Food S&T Meeting, EDSA Shangri-la Hotel, Mandaluyong City 2003, Mr 31 - Ap 4

Workshop on Innovation Support Services and their Management, Munich, Nuremberg, Stuttgart, Mannheim, Germany 2003, Je 30 - Ji 11

XXI International Vitamin A Consultative Group (IACG) Meeting, Palais des Congres & Sheraton Marrakesh Conf. Center, Marrakesh, Morocco 2003, F, 4-5

Training Course on Using TNA for S&M Enterprises to Improve Enterprise Devt & Mngt (Component 3), PCARRD, Training Center, Los Banos, Laguna 2003 S 5-7

ASIAN Workshop on Iron Fortification of Foods, Montien Riverside Hotel, Bangkok, Thailand 2003 S 15-16

27th Meeting of the Sub-Committee on Food S&T (SCFST) ASEAN COST, Melai Hotel, Hanoi Vietnam 2003 O 6-7

8th ASEAN Food Conf. ASEAN Food S&T: Cooperation & Integration for Devt., Melia Hotel, Hanoi Vietnam 2003 O 8-11

42nd Annual Convention of the Phil. Assn. of Food Technologists, Inc., Holiday Inn, Manila Galleria, Ortigas Center, Pasig City 2003 N 19-21

Nat'l. Conference on the Assessment of Tech & Info in Fisheries Post Harvest Marketing, Bureau of Soil and Water Management, Diliman, Q.C. 2003 Je 10-11

2003 International Nutritional Anemia Consultative Group Meeting, Sheraton Marrakesh Conference Center, Marrakesh Morocco 2003 F 6

Seminar-Workshop on: Functional Foods R&D in the Philippines, FNRI Training Room, Bicutan, Taguig City 2003 S 23

Technology Forum, Cagayan de Oro City 2003 O 29

Echo Seminar-Workshop on Using Technology Needs Assessment for SMEs, Central Luzon State University, Science City of Munoz, Nueva Ecija 2003 N 5-6

National Workshop on Applying FishBase in the Philippines, WorldFish Center Philippine Office, Los Banos, Laguna 2003 N 10-11

National Inventors Week: Philippines Salute the Filipino Inventors, Philippine Trade and Training Center, Roxas Blvd., Pasay City 2003 N 26-30

Teleconference: Food Fortification ILSI-SEA, Base: International Life Science Institute, Singapore 2003 My 14

21st PCIERD Anniversary & Technical Forum, EDSA Shangri-la Hotel, Pasig City 2003 Mr 17

Investor's Forum on: Commercializable Technologies for Food Processing, Philippine

Trade & Training Center, PTTC, Pasay City 2003 JI 17

Inception Meeting on the study "Stability of Iron Fortified Rice", TAIYO AKU CO, Nagoya, Japan 2003 JI 21-25

International Zinc Consultative Group (IZINCG) Meeting, Sheraton Marrakesh Conference Center, Marrakesh Morocco 2003 F 7

64th PICHE Convention Theme: Enhancing the Ingenuity of Chemical Engineers Towards Optimom Devt., Waterfront Insular Hotel, Davao City 2003 F 20-22

JICA-IPO Seminar: Catapult Your Business Growth Through IP, Mandarin Oriental Hotel, Makati City 2003 Ap 22

Training Course on Using TNA for S&M Enterprises to Improve Enterprise Devt & Mngt (Component 1), Astoria Plaza Hotel, Shaw Blvd., Ortigas Center, Pasig City 2003 Ag 6-15

Technology Needs Assessment (TNA) (Component 2), Swinbourne University of Technology, Melbourne, Australia 2003 Ag 14 - S 4

Seminar-Workshop on Micronutrient Fortification, Island Cove, Cavite City 2002, My, 22-24

Short-Term Course on: Management chnology from Research Laboratory to Market, University of Wisconsin, Madison, Wisconsin, USA 2002, Je, 9-21

Seminar on Minimal Processing of Foods, FNRI Training Room, DOST Compound, Bicutan, Taguig City 2002, F, 1

China-ASEAN Workshop of Technology Cooperation on Functional Foods, Wangfuging Hotel, Beijing China 2002 S 22-28

41st PAFT Annual Convention: Theme: Strategies for Advancing the Phil. Food Industry, Manila Galleria Suites, Mandaluyong City 2002 N 20-22

28th FNRI Seminar Series, FNRI Auditorium, DOST Compoundicutan, Taguig City 2002 JI 3-4

DOST-CAR Regional Science and Technology Fair, Baguio City 2002 S 3

National Seminar on Integration of Environment & Quality Mngt. System in th ESCAP Region, FNRI Training Room, Bicutan, Taguig City 2002 N 18-20

Seminar on Importance of Selenium in Foods, EDSA Shangri-la, Mandaluyong City 2002 N 26

EU-ASEAN Workshop: Export Enhancement through the use of Intellectual Property Rights, Heritage Hotel, Pasay City 2002 N 14-15

Seminar on Food Safety, Bureau Plant Industry, Diliman, Quezon City 2002 Mr 4

Seminar on Biotechnology, Manila Galleria Suites, Robinson Galleria, Mandaluyong City 2002 Ja 30

62nd PICHE Annual Convention, Umali Hall, UP Los Baños, Los Baños Laguna 2002 F 7-9

Consultation & Planning Workshop on Small-scale Enterprise Technology Upgrading Program, Atrium Hotel, Ermita Manila 2002 D 13-14

Conference onommeded Energy & Nutrient Intakes (RENIs) for Filipinos, PHILVOCS, Diliman, Quezon City 2002 D 12

Workshop on Intellectual Property Rights (IPR), DOST Executive Lounge 2001, O, 19

PAFT 40th Annual Convention: Theme: The Philippine Food Industry Competing in a Borderless World, Manila Galleria Suites, Robinson Galleria, Ortigas Center Mand. City 2001, N, 19-21

International Conference on Forging Effective Strategies to Combat Iron Deficiency, Emory Conference Center Hotel, Atlanta, Georgia, USA 2001, My, 7-9

48th Annual Convention of Phil. Sugar Technologists Assn., Inc., Cebu Int'l. Convention Center, Waterfront, Cebu, Lahug Cebu City 2001, Ag 15-16

World Conference on S&T: Theme: Harnessing S&T to Meet the Globalization Challenge, Manila Hotel, Manila 2001 S 13-25

Policy Forum Series: Financing Technology Transfer in Agriculture Sector, SEARCA-UP Los Banos, Laguna 2001 N 27

Workshop for the Development of the National Food Safety Program/Framework, National Pesticides Analytical Laboratory Conference Room, BPI, Quezon City 2001 JI 25-27

Forum on Statistical Analysis of Technology Transfer Activities in the Phils, DOST Executive Lounge 2001 O 9

Symposium on Coconut, Bureau of Soil & Water Management, Diliman, Quezon City 2001 Ag 24

Int'l. Conf. on 3rd ASIAN Conf. on Food Safety & Nutrition, China Resources Center, Beijing, China 2000, O, 3-6

7th ASEAN Food Conference: Theme ASEAN Food S&T Moving Towards New Millennium, The Westin Philippine Plaza Hotel, Roxas Blvd., Pasay City 2000, N, 19-22

UNSW International Alumni Forum "Globalisation: Leadership Challenges", Royal Orchids Sheraton Hotel, Bangkok, Thailand 2000, Mr, 23-25

The 7th NNS Results: Dissemination Forum, Thani Hotel, Makati City 2000 N 23

Stakeholders' Meeting on Use of Sprinkles, Camia 1, Garden Wing, EDSA Shangri-la Hotel, Mand. City 200 5O 5

International Workshop on Primary Industry and Food Safety, UNSW, Dept of Food Science, Sydney, Australia 1999, S, 30 - O, 1

10th World Conference of Food Science and Technology, Sydney Convention & Exhibition Center, Sydney, Australia 1999, O, 3-8

3rd Annual Meeting of ASEAN Academy of Science Engineering & Tech & Similar National Organization, Manila Hotel, Manila 1999, JI

18th ASEAN Seminar on Grain Postharvest Technology, The Heritage Hotel, Manila 1997, Mr, 11-13

16th International Congress on Nutrition, Montreal Convention Centre, Montreal, Canada 1997, JI 27 - Ag 1

Food Fortification to End Micronutrient Malnutrition State of the Art, Hotel Intercontinental Montreal, Montreal Canada 1997 Ag 2

16th International Congress of Nutrition, Montreal Convention Centre, Montreal Quebec, Canada 1997

International Conference on Food Industry and Energy Application, KMITT, Bangkok,

Thailand 1996, N, 13-15

1st APEC onference on Standards and Conformance, Diamond Hotel, Manila 1996 O 9-11

7th KMITT's Technological Exhibition: Technology for the Next Decade, King Mungkut's Institute of Technology Thonburi, (KMITT) Bangkok, Thailand 1996 N 14-18

Short Course in Food Extrusion, Holiday Inn Hotel, Sydney, NSW Australia 1993, N, 16-18

24th Annual Convention of AIFST, Hobart, Tasmania, Australia 1991, My, 19-21

Study & Observation Tour of R&D Institutes and Food Processing Plants in the ASEAN countries, ASEAN countries, Indonesia, Singapore, Malaysia, Thailand 1981 Ag- S

Seafood School for First Line Supervisor, Hawkesbury Agricultural College, Richmond, NSW, Australia 1980, S, 29 - O, 3

Papers Presented

Capanzana, M.V., Saises, M.C., Vaguchay, J.A., Ravara, D.G., Lateo, M.C. (2004). Stability of Repacked (takal system)Vitamin A Fortified Table Sugar in Simulated Market Condition, 30th Seminar Series on Research and Development and other Science & Technology Projects.

Capanzana, M.V., Dara-ug, A.F.P., Lainez, W.N., Fidel E.M. (2003). Stability of Iron Fortified Rice Packed in Four s of Packaging Materials, Report of the 2003 International Nutritional Anemia Consultative Group Symposium, Marrackech, Morroco.

Capanzana, M.V., Marero, L.M., Saises, M.C. and Quindara, C.S. (2003). Development of Iron and Vitamin A Fortified Table Sugar, Report of the 2003 International Nutritional Anemia Consultative Group Symposium, Marrackech, Morocco.

Capanzana, M.V., Labartine, E.C. and Dara-ug, A.F.P. (2003). Assessment of Functional Properties of Cereals, Rootcrops and Legumes, 29th Seminar Series on Research and Development and other Science & Technology Projects.

Capanzana, M.V., Fernandez, M.E.G., Cabagbag, M.C. (2003). Pilot Scale Production of Compressed Food, 29th Seminar Series on Research and Development and other Science & Technology Projects.

Capanzana, M.V., Saises, M.C. and Vaguchay, M.J.A. (2003). Retention of Vitamin A, Iron and Iodine in Fortified Bihon., 29th Seminar Series on Research and Development and other Science & Technology Projects.

Capanzana, M.V., Saises, M.C., Vaguchay, M.J.A., Quindara, C.S. and Fellaria, T.V. (2003). Retention of Vitamin A, Iron and Iodine in Fortified Soy Sauce., 29th Seminar Series on Research and Development and other Science & Technology Projects.

Capanzana, M.V., Marero, L.M., Saises, M.C., Vaguchay, M.J.A. and Fellaria, T.V. (2003). Retention of Essential Nutirients in Fortified Carbonated Beverages., 29th Seminar Series on Research and Development and other Science & Technology Projects.

Capanzana, M.V., Mondala, A.U., Portugal, T.R. Aquino, M.T., Gollosa, M.J.T., Apilado, R.J., Tajan, M.G., Madrid, M.C., Garin, R.L. and Enriquez, C.P.R. (2003). Application Software for Priority Food and Nutrition Technologies and Information for Technology Transfer and Promotion: "FCT+Menu Eval Software", 29th Seminar Series on Research and Development and other Science & Technology Projects.

Capanzana, M.V., Cabagbag, M.C., Zarate, R.U. Jr., Narciso, Z.N., Dara-ug, A.F.P., Labartine, E.C., Calimag, M.G. and Ponte, F.D. (2003). Urban and Rural Community

Model of a Food-based Livelihood for the Malnourished Children in CARAGA, CAR, Bicol Regions., 29th Seminar Series on Research and Development and other Science & Technology Projects.

Capanzana, M.V., Cabagbag, M.C., Gustilo, A.E.M., Diaz, D.A. (2003). Food-based Livelihood for the Communities in Quezon Province, 29th Seminar Series on Research and Development and other Science & Technology Projects.

Capanzana, M.V. (2002). Functional Food in the Philippines, China-ASEAN Workshop on Technology Cooperation of Functional Foods, Beijing, P.R. China.

Capanzana, M.V., Saises, M.C., Vaguchay, M.J.A., Diaz, D.A. and Cabagbag, M.C. (2002). Consumer Survey of FNRI-developed Fortified Products: Tubig Talino and Vita Sugar, 28th Seminar Series on Food and Nutrition Researches.

Capanzana, M.V., Saises, M.C., Vaguchay, M.J.A., Cabagbag, M.C. and Garcia, R.G. (2002). Stability of Iodine-rich Drinking Water (Tubig Talino), 28th Seminar Series on Food and Nutrition Researches.

Capanzana, M.V., Dara-ug, A.F.P., Lainez, W.N. and Fidel, E.M. (2001). Stability of Iron Fortified Rice Packed in Four Types of Packaging Materials During Storage, Proceedings/Book of Abstract of the Conference on Forging Effective Strategies to Combat Iron Deficiency, Emory Conference Center Hotel, Atlanta, Georgia, USA.

Capanzana, M.V. and Dara-ug, A.F.P. (2001). Influence of Iron Fortificant on the Iron Content and Color of Iron Fortified Rice Using Coating Technology, Proceedings/Book of Abstract of the Conference on Forging Effective Strategies to Combat Iron Deficiency, Emory Conference Center Hotel, Atlanta, Georgia, USA.

Capanzana, M.V., Trinidad T.P., Valdez, D.H., Malillin, A.C., Askali, F.C., Dara-ug, A.D.P. (2001). Iron Absorption from Rice/Rice-based Meal Fortified with Different Iron Fortificants, Proceedings/Report of the 2001 International Nutritional Anemia Consultative Group Symposium, Hanoi, Vietnam.

Capanzana, M.V., Chavez, M.C., Villavieja, G.M., Cerdana, C.M., Constantino, A.S., Sario, I.S., Mondala, A.U. and Bautista, E.N. (2001). Nutrition Profile and Socio-economic Characteristics of Barangay Bagong Silang, Kalooacan City, 27th Seminar Series on Food and Nutrition Researches.

Capanzana, M.V., Marero, L.M., Saises, M.C. and Quindara, C.S. (2001). Development of a Technology for Double Fortification of Sugar, 27th Seminar Series on Food and Nutrition Researches.

Capanzana, M.V., Labartine, E.C. and Dara-ug, A.F.P. (2001). Storage Study of Coconut Residue Flour., 27th Seminar Series on Food and Nutrition Researches.

Capanzana, M.V., Mondala, A.U., Bautista, W.N., Enriquez, C.R. and Gruezo, S.A. (2001). DOST Angkop Pro-poor Program: Food Technology Transfer (Kalooacan City), 27th Seminar Series on Food and Nutrition Researches.

Capanzana, M.V., Dara-ug, A.F.D., Labartine, E.C., Mariscal, A.B., Masa, D.B., Bawalan, D.D. (2000). Physico-chemical and Functional Properties of Coconut Flour, 7th ASEAN Food Conference. The Westin Philippine Plaza Hotel, Manila.

Capanzana, M.V., Dara-ug, A.F.P., Lainez, W.N. and Trinidad, T.P. (2000). Influence of Coating Solution Composition on the Physical, Chemical and Sensory Attributes of Iron Fortified Rice (IFR), 7th ASEAN Food Conference. Westin Philippine Plaza Hotel, Manila.

Capanzana, M.V., Trinidad, T.P., Valdez, A.C., Mallillin, A.C., Askali, F.C. and Dara-ug, A.F.P. (2000). Iron Absorption of Rice Fortified with Different Iron Fortificants, 7th Asean

Food Conference. The Westin Philippine Plaza Hotel, Manila.

Capanzana, M.V., Dara-ug, A.F.P., Lainez, W.N. and Fidel, E.M. (2000). Storage Stability of Iron Fortified Rice Packed in Four Types of Packaging Materials, 7th ASEAN Food Conference, The Westin Philippine Plaza Hotel, Manila.

Capanzana, M.V., Trinidad, T.P., Valdez, D.H., Mallillin, A.C., Askali, F.C. and Dara-ug, A.F.P. (2000). The Effect of Different Iron Fortificants on Iron Absorption from Iron Fortified Rice., 26th Seminar Series on Food and Nutrition Researches.

Capanzana, M.V., Dara-ug, A.F.P., Lainez, W.N. and Fidel, E.M. (2000). Storage Study on Iron Fortified Rice (IFR) Packed on Four Types of Packaging Materials., 26th Seminar Series on Food and Nutrition Researches.

Capanzana, M.V., Labartine, E.C., Dara-ug, A.F.P. and Mariscal, A.M. (2000). Physico-chemical and Functional Properties of Coconut Flour, 26th Seminar Series on Food and Nutrition Researches.

Capanzana, M.V. (1999). The Philippine Food Science and Technology Council (FSTC): What it is all About?, 10th World Congress of Food Science and Technology, Sydney Convention Center, Sydney Australia.

Capanzana, M.V. (1999). Supplementary and Fortified Foods: The Answer to Macro and Micro Nutrient Deficiency, The Philippine Experience, 10th World Congress of Food Science and Technology, Sydney Convention Center, Sydney Australia.

Capanzana, M.V. (1999). Influence of Coating Solution Composition on the Physical, Chemical, and Sensory Attributes of Iron Fortified Rice (IFR): An Optimization Study Using Response Surface Methodology (RSM), 10th World Congress of Food Science and Technology, Sydney Convention Center, Sydney, Australia.

Capanzana, M.V., Quindara, C.S., de Leon, J.Y., Verdadero, R.T. (1999). Survey of Food Processing Industry in Key Areas of the Philippine, 25th Seminar Series on Food and Nutrition Researches.

Capanzana, M.V., Marero, L.M., Florentino, R.F., Aguinaldo, A.R., Saises, M.C. (1999). Fortification of Sugar with Vitamin A: Technology Generation and Transfer, 25th Seminar Series on Food and Nutrition Researches.

Capanzana, M.V., Dara-ug, A.F., Lainez, W.N., Trinidad, T.P. (1998). Effect of Coating Solution Composition on the Physical, Chemical and Sensory Attributes of Iron Fortified Rice (IFR), 24th Seminar Series on Food and Nutrition Researches.

Capanzana, M.V., Buckle, K.A. (1997). Influence of Cultivar and Germination on the Physical and Functional Properties of Rice Flour, 16th International Congress of Nutrition, Montreal Convention Centre, Montreal Quebec, Canada.

Capanzana, M.V., Buckle, K.A. (1997). Application of Response Surface Methodology (RSM) on Product and Processing Optimization: Germination of High Amylose Rice Cultivar, 35th PAFT Annual Convention.

Capanzana, M.V. (1997). DOST Food Technology R&D, FNRI Perspective Proceedings of the Seminar-Workshop on Harmonizing Systems for Common Food Processing Facilities in the Regions..

Publications

- 2011 Capanzana, M.V. Household Daily Nitrate Consumption Levels from some Commonly Consumed Processed Meats in Selected Sites/Areas in the Philippines. Transactions of the National Academy of Science and Technology/Abstracts of Papers, 2011 JI 13-14,

33(1).

- 2009 Capanzana, M.V., Duante, C.A., Benavides-de Leon, R.C., Abille-Goyena, E.T., Cerdena, C.M. Nutrition and Health Situation of Filipino Eldery Based on the FNRI 7th National Nutrition Survey: 2008. Transactions of the National Academy of Science and Technology (NAST) 31st Annual Scientific Meeting, 2009, 31(2).
- 2004 Capanzana, M.V., Barbara C.V.C. Fortification of Cooking Oil with Vitamin A in the Philippines: A Successful Public-Private Partnership. Sight and Life Newsletter, 2004, 1.
- 2002 Capanzana, M.V., Trinidad, T.P., Valdez, D.H., Mallillin, A.C., Askali, F.C. and Dara-ug, A.F. The Effect of Different Iron Fortification on Iron Absorption from Iron-Fortified Rice. Food and Nutrition Bulletin, Supplement, 2002, 23(3):203 - 208.
- 2002 Capanzana, M.V., Cabagbag, M.C., Zarate, R.U. Jr., Narciso, Z.V., Dara-ug, A.F.P., Labartine, E.C., Calimag, M.G., Ponte, F.P. Urban and Rural Community Model of a Food-Based Livelihood for the Malnourished in CARAGA, CAR and Bicol Region. FNRI-DOST, 2002.
- 2002 Capanzana, M.V. MODULE I Advanced Food Processing. ASIAN-EUROPEAN Master's Degree in Food Science and Technology (Specialized in Agri-Food Industries Studies). The SEAMEO Regional Center for Graduate Study & Research in Agriculture (SEARCA) & DOST-FNRI, 2002.
- 2002 Capanzana, M.V. MODULE II Physical & Functional Properties of Foods. ASIAN-EUROPEAN Master's Degree in Food Science and Technology (Specialized in Agri-Food Industries Studies). The SEAMEO Regional Center for Graduate Study & Research in Agriculture (SEARCA) & DOST-FNRI, 2002.
- 2001 Capanzana, M.V., Labartine, E.C., Dara-ug, A.F. Mariscal, A.B. Testing and Evaluation of the Physico-chemical Functional, Microbiological and Sensory Properties of Flour Made From Coconut Residue. FNRI-DOST, 2001.
- 1999 Capanzana, M.V., Quindara, C.S., de Leon, J.Y. and Verdadero, R.T. Status of Food Processing Industry in Key Areas of the Philippines: 1998. Industry Classification, FNRI-DOST, 1999, 1.
- 1999 Capanzana, M.V., Quindara, C.S., de Leon, J.Y. and Vardadero, R.T. Status of Food Processing Industry in Key Areas of the Philippines: 1998. Region, FNRI-DOST, 1999, II.
- 1999 Capanzana, M.V., Quindara, C.S., de Leon, J.Y., Verdadero, R.T. Status of Food Processing Industry in Key Areas of the Philippines: 1998. Directory of Food Processors, FNRI-DOST, 1999, 3.
- 1999 Capanzana, M.V., Quindara, C.S., de Leon, J.Y. and Verdadero, R.T. Status of Food Processing Industry In Key Areas of the Philippines.. FNRI-DOST, 1999.
- 1999 Capanzana, M.V., Quindara, C.S., de Leon, J.Y., Verdadero, R.T. Status of Food Processing Industry Region XI-Central Mindanao. FNRI-DOST, 1999.
- 1999 Capanzana, M.V., Quindara, C.S., de Leon, J.Y. and Verdadero, R.T. Status of Food Processing Industry Region IV - Southern Tagalog.. FNRI-DOST, 1999.
- 1999 Capanzana, M.V., Quindara, C.S., de Leon, J.J., Verdadero, R.T. Survey of Food Processing Industry in Key Areas of the Philippines. The FNRI Digest, 1999, 16(13):3-4.
- 1998 Capanzana, M.V., Marero, L.M., Florentino, R.F., Aguinaldo, A.R. and Saeses,

- M.C. Fortofocation of Sugar with Vitamin A - Technology Generation and Transfer. Philippine Journal of Food Science and Technology, 1998, 20(1):18-25.
- 1998 Capanzana, M.V. and Buckle, K.A. Properties of Germinated Rice Cultivar. Philippine Journal of Food Science and Technology, 1998, 20(1):12-17.
- 1998 Capanzana, M.V. Physical, Chemical, Nutritional and Functional Properties of Germinated Cereals.. Philippine Journal of Food Science and Technology, 1998, 20(2):16-31.
- 1998 Capanzana, M.V. and Marero, L.M. Novel Dietary Fiber Source from Coconut Products. Philippine Journal of Food Science and Technology, 1998, 20(2):9-15.
- 1997 Capanzana, M.V. and Buckle, K.A. Optimisation of Germination Conditions by Response Surface Methodology of a High Amylose Rice (*Oryza sativa*) Cultivar. Lebensmittel-Wissenschaft und Technologie, 1997, 30(2):120.
- 1989 Capanzana, M.V. and Malleshi, N.G. Studies on Malting of Rice. ASEAN Food Journal, 1989, 4(3):111 - 115.
- 1985 Capanzana, M.V., Guerrero, A.C., Martin, A.M. Jr., Garcia, E.I. and Abdon, I.C. Feasibility Study of High Protein Snack Food Production II. Corn-Soy Curls. NSTA Technology Journal, 1985, 10(4):64-77.
- 1984 Capanzana, M.V., Guerrero, A.C., Martin, A.M. Jr., Garcia, E.I. and Abdon, I.C. Feasibility Study of High Protein Snack Food Production I. Rice-Soy Curls. NSTA Technology Journal, 1984, 9(1):58-72.
- 1983 Capanzana, M.V., Cilindro, A.G., Martin, A.M. Jr., Garcia, E.I., Guerrero, A.C. Rice-Soy Curls: High Protein Snack Food. NSTA-ASEAN Program Technology Series D, Technology Information Unit, 1983.
- 1980 Capanzana, M.V., Guerrero, A.C., Martin, A.M. Jr., Gopez, M.D., Abdon, I.C. Pilot Plant Production of Dehydrated Beef Blood. NSTA Technology Journal, 1980, 5(2):71-83.
- 1980 Capanzana, M.V., Guerrero, A.C., Yadao, A., Abdon, I.C. Pilot Plant Production of Dehulled Mung Bean. Philippine Journal of Nutrition, 1980, 33(2):96-107.
- Capanzana, M.V., Quindara, C.S., de Leon, J.Y., Verdadero, R.T. Status of Food Processing Industry Region VII - Central Visayas. FNRI-DOST, .

Name Catherine Q. Castaneda
Place of Birth Jaro, Iloilo City
Date of Birth July 31, 1950
Gender Female
Civil Status Married
Home Address 1973 H Concepcion Aguila Street, San Miguel, Manila
Education

Doctors of Philosophy, University of the Philippines, Diliman, Quezon City 1987-1990

Diploma International Course, International Course in Food Science & Nutrition
Wageningen, The Netherlands 1983

Master of Science, University of the Philippines, Diliman, Quezon City 1975-1979

Bachelor of Science, College of the Holy Spirit, Mendiola St., Manila 1968-1972

Fields of Specialization

Food Science & Nutrition

Employment

Scientist II, Food and Nutrition Research Institute, 1995 D 18-present-

Chief Science Research Specialist, Food and Nutrition Research Institute, 1991 Mr 1-present-

Supervising Science Research Specialist, Philippine Council for Health Research and Development, 1984 Ap 1-1991 F 28-

Science Research Specialist II, Food and Nutrition Research Institute, 1978 JI 5-1984 Mr 31-

Science Research Specialist I, Food and Nutrition Research Institute, 1972 Je 22-1978 JI 4-

Associate Professor A, College of the Holy Spirit , Mendiola , Manila, 1978 Ja-present-

Lecturer , Graduate School, Centro Escolar University Graduate School, Mendiola , Manila, 1980 Je-present-

Assistant Professor, Philippine Women's University , Taft Ave., Manila, 1977-1981-

Association Membership

Member, American Antropological Association

President, Philippine Society of Dietitians and Nutritionists, Inc.

Board Member, Nutritionist Dietitian's Association of the Philippines

Life Member, Philippine Association of Nutrition

Member, Anthropological Association of the Philippines

Associate Member, National Research Council of the Philippines

Member, Philippine Association of Carrer Scientists

Member, Communication for Agricultural Research and Development

Honors / Awards

Scholarship Award for Ph.D. in Anthropology, DOST 1990 N

Outstanding Alumna of the Nutrition Department, College of the Holy Spirit, Manila 1991 D

NDAP Achievement Award, Nutritionists-Dietitians Association of the Philippines 1991 F 22

Trainings

Social Mobilization for Nutrition Program Planning and Implementation., Balanghai Hotel, Butuan City 1997 My 06

Seminar Workshop on the Gender Dimensions in Science and Technology., Bayview Plaza Hotel , Roxas Blvd., Manila 1997 Mr 18

International Conference of Network of Senior Women Leaders from APEC Economies, Hyatt Regency Hote, Manila 1997 Mr 14

16th International Congress of Nutrition, Montreal , Quebec , Canada 1997 JI 27- Ag 1

Executive Leadership Course, Gabriel Resort, Pangil, Laguna 1997 Ja 31-F 8

8th International Training Programme in Social Mobilization for Development, UP-College of Mass Communication Diliman, Quezon City 1997 Ap 7-18

Seminar Workshop on Developing a Research Proposal., UP Los Banos, Laguna 1997 Ap 27-30

PRC Seminar on the Board Examinations, St. Scholastica's College , Manila 1996 S 26

NNC Evaluation Workshop of UNICEF CPC-4 Programs, Los Brisas Hotel, Antipolo , Rizal 1996 O 30-31

Social Marketing for FNRI Technologies, FNRI Conference Room 1996 My 7-8

Assesmtment Center Management Training for CES Elegibility, Development Academy of the Philippines , Pasig , Metro Manila 1996 Je 29-30

International Congress of Dietetist, PICC , Manila 1996 F 18-23

Rapid Assesmtment Procedures for Community Nutrition Programs, League of Governors, Lingayen, Pangasinan 1996 Ag 07-08

Regional Refresher Course on The State of Community Nutrition Activities, Hanoi , Vietnam 1995 S 10-23

Team Building Workshop for RUD Staff, MIRDC , Bicutan, Taguig , Metro Manila 1995 Je 5-7

Assessment and Planning Workshop on Gender and Development, Shanri-La, Edsa 1994 S 9-10

Nutrition Anthropology in the Philippine Setting, Eartwatch, Boston, Massachusetts 1994 Mr 4-6

Annual Principal Investigators Forum, Harvard, Boston Massachusetts, USA 1994 Mr 3-6

Foodways and Belief Systems in a Hinterland Philippine Culture., International Congress of Nutrition , Adelaide, Australia 1993 S 26-O 1

15th International Congress of Nutrition, Adelaide, Australia 1993 S 26-O 1

Seminar on Gender and Development, Villa Pagsanjan 1993 Mr 21-23

Food and Nutrition R and D on the STAND, FNRI Taft 1993 JI 13-14

1st National Seminar-Workshop: Integrated Food Quality and Safety Program on Streetfoods, Science Teachers Training Center, UP Diliman , Q.C. 1993 Ja 17-18

ICON Congress: Sapat na Nutrisyon at Tungkulin, Bureau of Soils, Quezon City 1992 JI 9-10

18th Seminar on Food and Nutrition Researchers, FNRI Auditorium Manila 1992 JI 6-7

Workshop on Competencies vs. Knowledge Attitudes and Skills, College of the Holy Spirit , Manila 1991 O 12-13

Planning Workshop on Food and Nutrition, Polytechnic University of the Philippines 1991 D 13-14

Participatory Research and Implications to Practice , UP-CHE 1991 Ap 12

National Conference on Philippine Ethnography, Philippine Village Hotel 1990 O 27-28

Research Utilization or a More Effective Nutrition Service Delivery, R. Magsaysay Center Roxas Blvd., Manila 1990 D 7-8

Faculty Workshop on Liberating Education for Nation Building, College of the Holy Spirit , Manila 1990 Ap 23

NDAP 34th Annual Convention, PTTC , Roxas Blvd., Manila 1989 Ja 25-26

Seminar Workshop on Science and Technology, DOST Executive Lounge,Bicutan,Taguig,Metro Manila 1986 Ja 30-F 4

Consultative Workshop on Medical Journalism and Development, DOST Executive Lounge 1985 S 18-19

Conference on Biotechnology Research, DAP , Tagaytay City 1985 S 14

Seminar-Workshop Towards a Workable Filed Practicum for Nutrition Subjects, College of Holy Spirit , Manila 1985 O 24-26

Developing Mass Media's Internet in Popularization of Science and Technology, DOST Executive Lounge 1985 N 15-16

Are Consultative Seminar Workshop on Science Information Delivery for Mindanao, Cotabato City 1985 N 14-15

Seminar-Workshop on Filipino Ideology, NSTA Executive Lounge 1985 My 10

Second National Congress on Health Research and Development, Lung Center of the Philippines, Q.C. 1985 Mr 14-15

Seminar Workshop on Information for Health Care, DAP , Pasig 1985 D 17

Action Centered Leadership Training, UPLB 1985 Ap 20-21

Supervisory Development Course, NSTA 1985 Ag 23

Supervisory Development Course NSTA, NSTA 1985 Ag 12

Research Utilization for Home Extension Specialists of the BAEX, Ministry of Agriculture Diliman, Q.C. 1983 N 14

Papers Presented

- Castaneda, C.Q. (1998). Socio cultural determinants of intrahousehold food distribution patterns in selected communities in Palawan, Philippines, International Congress of Dietetics, Korea.
- Castaneda, C.Q. (1996 F 18-23). Socio cultural determinants of intra household food distribution patterns in selected communities in Palawan, Philippines, International Congress of Dietetics, Manila.
- Castaneda, C.Q. (1996 F 18). Socio cultural determinants of weaning decisions in selected Philippine communities, International Congress of Dietetics, Manila.
- Castaneda, C.Q. (1993 O 1). Foodways and belief systems in a hinterland Philippine Culture, 15th International Congress of Nutrition, Adelaide, Australia.
- Castaneda, C.Q. (1992 Ja 27-28). Vitamin and mineral concepts among households in an urban depressed community, 20th Annual Convention of the PSDN.
- Castaneda, C.Q. (1992 F 1). Nutrition and productivity, 37th Annual Convention of NDAP, Manila Midtown Ramada, Hotel, Manila.
- Castaneda, C.Q. (1990 F 7-8). Anthropology new "old" tool in nutritional improvement, 36th Annual Convention of the NDAP, Philippine Heart Center for Asia, Quezon City.
- Castaneda, C.Q. (1990 D 6-7). Application of anthropological methodologies in nutrition, 19th Annual Convention of the Philippine Society of Dietitians and Nutritionist, Inc., Manila.
- Castaneda, C.Q. (1989 JI 13-17). Foods, its meaning and value among Kalinga families, 3rd International Philippine Studies Conference, Philippine Social Science Center, Quezon City.
- Castaneda, C.Q. (1988 O 13-14). The role of the nutritionist dietitian in National Development Challenges to the Nutrition Researcher, ICON 3rd National Nutrition Congress, PICC, Manila.
- Castaneda, C.Q. (1977 JI 31). Socio cultural determinants of weaning decisions in selected Philippine communities, International Congress of Nutrition, Montreal, Canada.

Publications

- 1999 Castaneda, C.Q. Concepts and attitudes on food labelling among various consumers in Meniola Consortium. , 1999 My.
- 1999 Castaneda, C.Q. Knowledge, attitude and practice of users of the Philippine Nutritional Guidelines. FNRI, 1999.
- 1999 Castaneda, C.Q. Manual on the nutrition school on the air. FNRI, 1999.
- 1998 Castaneda, C.Q., Jose, A.M., Garcia, M.I.N. A survey of gender-sensitized IEC materials for nutrition advocacy in the Philippines. Philippine Journal of Nutrition, 1998, 45(1-4):39-55.
- 1998 Castaneda, C.Q., Gonzales, M.S., Serrano, S.R., Garcia, M.I.N., Jose, A.M. Local media networking for nutritional advocacy. Philippine Journal of Nutrition, 1998, 45(1-4):57-66.
- 1997 Castaneda, C.Q., Alma, M.J., Idelia, N.G. A survey on gender sensitized IEC materials for nutrition advocacy in the Philippines. In Press Journal, 1997.
- 1997 Klemm, R.W., Castaneda, C.Q., et al Infant feeding beliefs and practices among

- caretakers in Quezon Province, Philippines. In Press Journal, 1997.
- 1995 Castaneda, Q.C., Galang, M.R., Lafuente, E.A., Sugide, Ma. L.L. Socio cultural determinants of weaning decisions in selected Philippine communities. NDAP Journal, 1995, 9:4.
- 1993 Castaneda, C.Q., Jose, A.M., Milagros, M.A. Development of a methodology for technology transfer. FNRI Publication, 1993.
- 1991 Florentino, R.F., Castaneda, C.Q., et al Annotated bibliography on food and nutrition in the Philippines. In Press Journal, 1991.
- 1990 Castaneda, C.Q. The Kalinga diet and traditional food beliefs of pregnant women. Doctoral Dissertation, 1990.
- 1990 Castaneda, C.Q. Application of anthropological methodologies in nutrition. Bulletin of the Nutrition Foundation of the Philippines, 1990, 30(6).
- 1989 Castaneda, C.Q. Philippine pre-historic diets index into our survival and nutrition. Journal of the NDAP, 1989, 3(4).
- 1989 Castaneda, C.Q. Vitamin and mineral concepts among households in barangay 637, San Miguel, Manila. Journal of the Nutritionist Dietitians Association of the Philippines, 1989:2.
- 1982 Valdecanas, O.C., Castaneda, C.Q., Gruy, M. Evaluation of three media strategies for research utilization. Philippine Journal of Nutrition, 1982, 35:2.
- 1981 Valdecanas, O.C., Castaneda, C.Q., Vicente, L.M. A follow-up study of San Juan Clients. Philippine Journal of Nutrition, 1981, 34:2.
- 1980 Valdecanas, O.C., Castaneda, C.Q. Operation nutribooth: A feasibility study. Philippine Journal Of Nutrition, 1980, 33:1.
- 1979 Castaneda, C.Q., Valdecanas, O.C. Synchronization and participation in the nutrition school of the air. Philippine Journal of Nutrition, 1979, 27:2.
- 1979 Castaneda, C.Q., Florencio, C.A. Nutrition KAP and participation in the FNRI nutrition school of the air. Masteral Thesis, 1979.
- 1979 Valdecanas, O.C., Castaneda, C.Q., Jose, A.M. Information guide on food and nutrition. FNRI Publications, 1979, 156.
- 1976 Castaneda, C.Q. Nutri facts, nutrisyon. Official Journal, 1976, 2(1).
- 1975 Valdecanas, O.C., Castaneda, C.Q. Nutrition school on the air. FNRI Publication, 1975, 149.
- Castaneda, C.Q. Nutrition anthropology and nutritional improvement. Faculty Journal, College of the Holy Spirit, Mendiola, Manila, .

Name Edwin A. Combalicer
Place of Birth Infanta Quezon
Date of Birth August 30, 1973
Gender Male
Civil Status Married
Home Address Old Hospital, P-3, Vista Alegre, Bayombong, Nueva Vizcaya

Organizational Affiliations

Assistant Professor 6/ Associate Dean, Institute of Renewable Natural Resources College of Forestry and Natural Resources UP Los Baños,, College, Laguna 4031 Philippines

Assistant Professor IV and Dean, College of Forestry, Nueva Vizcaya State University, Bayombong, Nueva Vizcaya

Education

Ph.D. Forest Environmental Science, Seoul National University,, Korea 2010

Fields of Specialization

Agriculture and Forestry

Civil Engineering

Plant & Animal Science

Watershed Management

GIS/RS Applications

Employment

Watershed Management Specialist/Team Leader, Energy Development Corp./College of Forestry and Natural Resources Project/Formulation of Watershed, 2011 Ag-Je 2012-

Consultant, EDC/UPLB Foundation, Development of EDC Early Warning System, 2012 Ag 15-2013 F 28-

Association Membership

Member, National Research Council of the Philippines (NRCP)

Honors / Awards

Outstanding Young Scientist, NAST-DOST

Trainings

23rd IUFRO World Congress, COEX Convention Center, Seoul, Korea 2010 Ag 23-29

International Symposium on Restoration of Forest Ecosystem Functions on Different Forest Zones, Koreana Hotel, Seoul, Korea 2009 Ag 26-27

Researches**Completed**

Development of the EDC Early Warning System (Phase 1)

Development of GIS-based Watershed Information Systems in Nueva Vizcaya Province (October 2012)

Integrated Watershed Assessment on Pinacanauan de San Pablo Watershed in Isabela and Barobbob Watershed in Nueva Vizcaya (2011 F)

Traditional knowledge and sustainable forest management in Southeast Asia. IUFRO book series

Changes in the Forest Landscape of Mt. Makiling Forest Reserve, Philippines

Formulation of Watershed Management Plan for EDC-managed Watersheds Inc. (August 2011 to June 2012).

Modeling Climate Change Impacts on Water Balance of the Barobbob Watershed (2012 F)

Ongoing

Development of Decision Support System and Tools for Managing Rainfed Agricultural Lands in Mount Makiling Forest Reserve

National Research and Development Program for Watershed Management

Climate Change Vulnerability and Adaptation Assessment and Climate Change Capacity Building in the Makiling Forest Watershed

Papers Presented

Cruz, R.V., Combalicer, E.A. (2012 My 18). Watershed Management in the Philippines: Implications to Water Supply and Quality for Agriculture, NAST Round Table Discussion, at the Hyatt Hotel, Manila.

Combalicer, E.A. (2010 Ag 23-29). Assessing Climate Change Impacts on Water Balance in the Mount Makiling Forest Reserve, Philippines, XXIII IUFRO World Congress, COEX Convention Center, Seoul, Korea.

Combalicer, E.A. (2010 Ag 23-29). Land cover classification using ISOCLUST method, XXIII IUFRO World Congress, COEX Convention Center, Seoul, Korea.

Combalicer, E.A. (2009 F 12). Traditional Forest Conservation Knowledge/Technologies: The Case of the Ifugaos, Philippines, Korea Forest Research Institute, Seoul, Korea.

Combalicer, E.A. (2009 F 12). Mapping of forest fire occurrence risk using conditional probability analysis and selecting suitable area for fuel-break, Korea Forest Research Institute, Seoul, Korea.

Combalicer, E.A. (2009 Ag 26-27). Assessing Climate Change Impacts on Water Balance in the Mount Makiling Forest Reserve, Philippines, International Symposium on "Restoration of Forest Ecosystem Functions on Different Forest Zones", Koreana Hotel, Seoul, Korea.

Publications

- 2012 Camacho, L.D., Combalicer, M.S., Youn, Y.C., Combalicer, E.A., Carandang, A.P., Camacho, S.C., de Luna, C.C. and Rebugio, L.L. Traditional Forest Conservation Knowledge/Technologies in the Cordillera, Northern Philippines. *Forest Policy and Economics*, 2012, 22:3-8.
- 2012 Combalicer, E.A., Im, S. Change Anomalies of Hydrologic Responses in Climate Variability and Land-Use Changes.. *Journal of Environmental Science and Management.*, 2012(Special Is):1-13..
- 2012 Combalicer, M.S., Lee, D.K., Woo, S.Y., Hyun, J.O., Park, Y.D., Lee, Y.K., Combalicer, E.A., Tolentino, E.L. Physiological Characteristics of *Acacia auriculiformis* A.Cunn. ex

- Benth. and *A. mangium* Willd. in La Mesa Watershed and *Pterocarpus indicus* Willd. in Mt. Makiling, Philippines.. *Journal of Environmental Science Management*, 2012(Special Is):14-28.
- 2012 Phonguodume C., Lee, D.K., Sawathvong, S., Park, Y.D., Ho, W.M. and Combalicer, E.A. Effects of Light Intensities on Growth Performance, Biomass Allocation and Chlorophyll Content of Five Tropical Deciduous Seedlings in Lao PDR.. *Journal of Environmental Science Management*, 2012(Special Is):60-67.
- 2012 Fui, Lim Hin, Luohui, Liang, Camacho, Leni D., Combalicer, E. A., Singh, Savinder Kaur Kapar. Traditional Forest-Related Knowledge: Sustaining Communities, Ecosystems and Biocultural Diversity. Chapter 10: Southeast Asia. Parrotta, JA and Trosper, RL. (Eds.). *World Forest Series Vol. 12*. Springer, Dordrecht, the Netherlands, 2012, 12:357-394.
- 2010 Combalicer, E.A., Cruz, R.V.O., Lee, S., Im, S. Assessing climate change impacts on water balance in the Mount Makiling forest, Philippines. *Journal of Earth System Science*, 2010, 119(3):265-283.
- 2010 Combalicer, E.A., Cruz, R.V.O., Lee, S.H., Im, S. Modeling the hydrologic processes distribution in a tropical forest watershed, Philippines. *Journal of Tropical Forest Science*, 2010, 22(2):155-169.
- 2010 Camacho, L.D., Combalicer, M.S., Youn, Y.C., Combalicer, E.A., Carandang, A.P., Camacho, S.C., de Luna, C.C., Rebugio, L.L. Traditional Forest Conservation Knowledge/Technologies in the Cordillera, Northern Philippines. *Forest Policy and Economics*. (In press), 2010.
- 2010 Kim, D., Lee, S-H., Combalicer, E.A., Hong, Y., Im, S. Estimating Soil Reinforcement by Tree Roots using the Perpendicular Root Reinforcement Model. *International Journal of Erosion Control Engineering*, 2010, 31(1):80-84..
- 2008 Combalicer, E.A., Lee, S.H., Ahn, S., Yeob, D., Im, S. Modeling water balance for the small-forested watershed in Korea. *Journal of Civil Engineering - KSCE J CIV ENG*, 2008, 12(5):339-348.

Name Archimedes T. David

Gender Male

Civil Status Single

Organizational Affiliations

University Registrar/ Director of Admission/ Director, Institute of Kapampangan Studies, Angeles University Foundation, Angeles City

Education

Doctor of Philosophy, Angeles University Foundation, Angeles City 1991

Fields of Specialization

Social Sciences

Philosophy

Association Membership

Member, National Research Council of the Philippines (NRCP)

Honors / Awards

2002 Most Outstanding PERAA, Administrators' Category, Shangri-La Hotel, Makati 2002 O 21

Trainings

Philosophical Association of the Philippines Mid-Year National Conference, Miriam College, Quezon City 2004 O 22

Regional Youth Leadership Training Seminar, Angeles University Foundation, Angeles City 2004 N 19

Researches

Completed

Angeles City and its Religious Processions: A Study of a Rich Surviving Tradition, circa 1830 - 2002

Local History: A Glimpse of the Contributions of Angeles to the Revolution of 1898

Evaluation of Graduate Education in the Philippines (National Team Evaluator)

The Commission on Higher Education and the Fund for Assistance to Private_Education, 2003-2004

On-going

Holy Week Practices in Angeles City : A Religious Tradition in Retrospect.

Papers Presented

David, A.T. (2005 My 26). Morality of the Youth Today Association of Catholic Universities of the Philippines, Angeles University Foundation, Angeles City.

David, A.T. (2005 Mr 30). Code of Ethics for IT Professionals, Angeles City.

David, A.T. (2005 JI 7). Teacher Education Program Accreditation: Key to Quality Education Council of Deans of Colleges of Education, Region III Assembly University of The Assumption, City of San Fernando, Pampanga.

David, A.T. (2005 Je 11). The Dynamics of Being a Teacher, Our Lady of Guadalupe-School, Mexico, Pampanga.

David, A.T. (2005 F 16). Personal Safety Skills, Angeles City.

David, A.T. (2004 O 22). Post Modern Challenges in Contemporary Society: A Reflection Towards a Relevant Philosophy of Responsibility, Philosophical Association of the Philippines Mid-Year National Conference, Miriam College, Quezon City.

David, A.T. (2004 N 19). Modeling the Way for Peace and Cooperation, Youth Leadership Training, Angeles University Foundation, Angeles City.

David, A.T. (2004 N 19). Modeling the Way for Peace and Cooperation , Regional Youth Leadership Training Seminar, Angeles University Foundation, Angeles City.

David, A.T. (2002 O 11). Ethics of the Teaching Profession in the Arts & Sciences Program, Angeles City.

David, A.T. (2002 My 30). Professional Ethics in the Teaching Profession , Porac, Pampanga.

David, A.T. (2002 My 23). Professional Ethics in the Teaching Profession , Floridabalanca, Pampanga.

David, A.T. (2002 My 21). The Advancement of Technology: Implications to Moral Values of the Youth Association of Catholic Universities in the Philippines, .

David, A.T. (2002 Je 19). Rizal and the Passion of our Generation, Angeles City.

David, A.T. (2002 F). Ethics of the Engineering Profession, Angeles City.

David, A.T. (2002 D 18). Teaching in Today's Changing World: The Basic Education Teacher, Angeles City.

David, A.T. (). Post-Modern Challenges in Contemporary Society: A Reflection towards a Relevant Philosophical Association of the Philippines, Miriam College, Quezon City.

David, A.T. (). Professional Ethics, Angeles University Foundation, Angeles City.

Publications

- 2005 David, A.T. Professional Ethics in the Engineering Profession Academic Year 2001-2003. Technology Update Journal (ISSN 1656-1112), 2005, 1.
- 2004 David, A.T. Post-Modern Challenges in Contemporary Society: A Reflection towards a Relevant Philosophy of Responsibility. Philosophical Association of the Philippines, Miriam College, Quezon City, 2004 O.
- 2002 David, A.T. Rizal and The Passion of our Generation . CAS Digest, 2002 Je-D, 2.
- 2001 David, A.T. The Wonder of Creation, Spiritually and the Engineering Profession Technical. Journal, PICE-Region III Specialty Conference, 2001 O 5-6.
- 2001 David, A.T. Philosophy of Man. Reflections on the Human Person in the Human World Textbook, 2001.
- 2000 David, A.T. Issues and Concerns of Contemporary Times. AUF Journal, 2000 JI-D.
- 2000 David, A.T. Values of the New Millennium.com. AUF Journal, 2000 Ja - Je.
- 1999 David, A.T. The Internationalization of Higher Education. The Angeles University Exposure, AUF Journal, 1999 JI-D.

- 1999 David, A.T. The Ethics of the Teaching Profession. AUF Journal, 1999 Ja-Je.
- 1999 David, A.T. A Philosophy of Catholic Education in the New Millennium: A Mandate for Catholic Institutions. The Institute of Anthropology, Catholic University of Korea, 1999 Ag.
- 1999 David, A.T. Moral Values in the Engineering Profession. PICE National Mid-Year Convention Technical Proceedings Journal, 1999.
- 1998 David, A.T. Local History: A Glimpse of the Contributions of Angeles to the Revolution of 1898. AUF Journal, 1998 Ja - Je.

Name Fe Dolores Parado Estepa
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Home Address Lot 23 Block 22, Phase IV Grand Plains Subd., Jaro, Iloilo City, Philippines

Organizational Affiliations

Scientist I, Southeast Asian Fisheries Development Center (SEAFDEC), Tigbauan, Iloilo, Philippines

Education

Ph.D. (Biology and Aquaculture), Hokkaido University, Hakodate, Japan 1999

Masters in Management Major in Business Management, University of the Philippines in the Visayas, Iloilo City 1996

M.S.Fisheries Major in Aquaculture , University of the Philippines in the Visayas, Iloilo City 1982

B.S.Biology , Mindanao State University , Lanao Sur 1977

Secondary School , University of San Carlos Girls High School, Cebu City 1972

Elementary , University of San Carlos, Girls High School, Cebu City 1968

Fields of Specialization

Research

Penaeid shrimp broodstock management and larval rearing

Portunid crab larval rearing

Crustacean biology and physiology

Employment

Associate Scientist, Southeast Asian Fisheries Development Center (SEAFDEC), 1993 - 1999-

Research Associate, SEAFDEC, 1981 - 1993-

Research Aide, SEAFDEC, 1977 - 1979-

Honors / Awards

Magna Cum Laude, Mindanao State University 1977

National R&D Paper Award, National Research Symposium 2005

BAR Director's Award for R&D Paper Published in an International Refereed Scientific Journal, National Research Symposium 2001

RONPAKU Fellowship Grant for PhD, DOST- JSPS-Joint Scientific Program 1995-1999

College scholarship, 1st and 2nd semester, University of the Phils. - Visayas 1979-1980

Scholarship to pursue Masters in Science degree, SEAFDEC 1979-1981

Full scholarship, 2nd semester, Mindanao State University 1972-73 to 1976 -1977

Trainings

International Scientific Forum, Darwin, Australia 1999

Sem./Workshop on Aqua. Development in Southeast Asia and Prospects for Seafarming and Searanching, 1991

Seminar on Aquaculture Development in Southeast Asia, SEAFDEC Aquaculture Department. Iloilo City, Philippines 1988

The First Asian Fisheries Forum, Philippines/Asian Fisheries Society, Manila, Philippines

Seminar on Aquaculture Development in Southeast Asia, SEAFDEC Aquaculture Department, Iloilo City

National Seminar-Workshop on Fish Nutrition and Feeds, SEAFDEC/AQD, Iloilo, Philippines

National Seminar-Workshop on Fish Nutrition and Feeds, SEAFDEC/AQD, Iloilo, Philippines

Papers Presented

Estepa, F.D.P., Qunitio, E.T. (1999). Larval survival and megalopa production of *Scylla* sp. at different salinities, International Scientific Forum. ACIAR Proceedings No. 78. Darwin, Australia.

Estepa, F.D.P., Qunitio, E.T., Alava, V.R. (1999). Development of hatchery techniques for the mud crab *Scylla serrata*: I. Comparison of feeding schemes, International Scientific Forum, ACIAR Proceedings No. 78. Darwin, Australia.

Estepa, F.D.P., Qunitio, E.T., Biona, H., and Millamena O.M. (1996). Reproductive performance of captive *Penaeus monodon* fed various sources of carotenoids., National Seminar-Workshop on Fish Nutrition and Feeds, SEAFDEC/AQD, Iloilo, Philippines. Pp 74-82.

Estepa, F.D.P. (1995). Research on crustaceans, Towards Sustainable Aquaculture in Southeast Asia and Japan, SEAFDEC Aquaculture Department, Iloilo, Philippines.

Estepa, F.D.P. (1993). Shrimp seed production at SEAFDEC/ AQD., Aquaculture Workshop for SEAFDEC AQD Training Alumni. SEAFDEC AQD, Tigbauan, Philippines.

Estepa, F.D.P. (1991). Shrimps, Seminar Workshop on Aquaculture Development in Southeast Asia and Prospects for Seafarming and Searanching/ SEAFDEC Aquaculture Department, Iloilo, Philippines..

Estepa, F.D.P., Primavera, J.H. (1988). Prawn hatchery. Perspectives in Aquaculture Development in Southeast Asia and Japan, Seminar on Aquaculture Development in Southeast Asia. SEAFDEC Aquaculture Department. Iloilo City, Philippines.

Estepa, F.D.P., Ferraris, R.P., de Jesus, E.G., Ladja, J.M. (1986). Osmoregulation in *Penaeus monodon*: Effect of molting and external salinity, The First Asian Fisheries Forum, Manila, Philippines/Asian Fisheries Society, Manila, Philippines.

Publications

2011 Qunitio, E.T., Estepa, F.D.P. Survival and growth of mud crab, *Scylla serrata*, juveniles subjected to removal or trimming of chelipeds. *Aquaculture*, 2011, 318:229-234.

- 2011 Quintio, E.T., de la Cruz, J.J., Eguia, M.R.R., Parado-Esteba, F.D., Pates, G., Lavilla-Pitogo, C.R. Domestication of the mud crab *Scylla serrata*. <http://www.seafdec.org.ph/2011/trimming-chelipeds-reduces-cannibalism-in-mud-crab/#sthash.TTSn2Ae5.dpuf>. *Aquaculture International* 19 (Special Issue), 2011, 19:237-250.
- 2009 Esteba, F.D.P., Quintillo, E.T., Rodriguez, E.M. Nursery and grow-out of mud crab. *Training Handbook on Rural Aquaculture*, 2009, 4.4:87 - 95.
- 2008 Esteba, F.D.P., Le Vay, L., Lebata J.H., Walton, M., Primavera, J.H., Quintio, E.T., Pitogo, C.L., Rodriguez, E., Ut, V.N., Nghia, T.T., Sorgeloos, P., Wille, M. Approaches to stock enhancement in mangrove-associated crab fisheries.. *Rev. Fish. Sci.*, 2008, 16(1 - 3):72 - 80.
- 2007 Esteba, F.D.P., Quintio, E.T., Rodriguez, E.M. Seed production of *Charybdis ferriatus*. *Aquaculture Research*, 2007, 38:1452 - 1458.
- 2007 Esteba, F.D.P., De Pedro, J., Quintio, E.T. Formalin as an alternative to trifluralin as prophylaxis against fungal infection in mud crab *Scylla serrata*. *Aquaculture Research*, 2007, 38:1554 - 1564.
- 2007 Esteba, F.D.P., Quintio, E.T., De Pedro, J. Ovarian maturation stages of the mud crab *Scylla serrata*. *Aqua Research*, 2007, 38:1434 - 1441.
- 2007 Esteba, F.D.P., Rodriguez, E.M., Quintio, E.T. Extension of nursery culture of *Scylla serrata* (Forsk.) juveniles in cages and ponds. *Aquaculture Research*, 2007, 38:1588 - 1592.
- 2007 Esteba, F.D.P., Abiera, M.L.S., Gonzales, G.A. Acute toxicity of nitrite to mud crab *Scylla serrata*. *Aquaculture Research*, 2007, 38:1495 - 1499.
- 2003 Esteba, F.D.P., Quintio, E.T. Biology and hatchery of mud crabs *Scylla* spp. Tigbauan, Iloilo, Philippines. Southeast Asian Fisheries Development Center - Aquaculture Department, 2003, 34:42.
- 2002 Esteba, F.D.P., Quintio, E.T., Rodriguez, E.M. Seed production of the crucifix crab *Charybdis ferriatus*. *Aquaculture Asia*, 2002, 7(3):37.
- 2002 Esteba, F.D.P., Quintio, E.T., Rodriguez, E.M. Seed production of mud crab *Scylla* spp.. *Aquaculture Asia*, 2002, 7(3):29 - 31.
- 2001 Esteba, F.D.P., Quintio, E.T., Millamena, O.M., Rodriguez, E.M., Borlongan, E.L. Seed production of mud crab *Scylla serrata*. *Asian Fisheries Science*, 2001, 14:217 - 224.
- 2001 Esteba, F.D.P., Rodriguez, E.M., Quintio, E.T., Millamena, O.M. Culture of *Scylla serrata* megalopae in brackishwater ponds. *Asian Fisheries Science*, 2001, 14:185 - 190.
- 2000 Esteba, F.D.P., Quintio, E.T. Transport of *Scylla serrata* megalopae at various densities and durations. *Aquaculture*, 2000, 185:63 - 71.
- 1998 Esteba, F.D.P. Survival of *Penaeus monodon* postlarvae and juveniles at different salinity and temperature levels.. *The Israeli J of Aquaculture - Bamidgeh*, 1998, 50:174 - 183.
- 1998 Esteba, F.D.P., Primavera, J.H., Lebata, J.L. Morphometric relationship of length and weight of giant tiger prawn *Penaeus monodon* according to life, stage, sex and source. *Aquaculture*, 1998, 164:67- 75.
- 1996 Esteba, F.D.P., Quintio, E.T., Borlongan, E.D. Prawn Hatchery Operations. (Revised edition). SEAFDEC AQD Extension Manual No. 19, 1996, 19:45.

- 1994 Estepa, F.D.P., Agbayani, R.F., Samonte, G.P.B., Tumaliuan, R.T., Ortega, R.S. and Espada, L.T. Economic assessment of shrimp (*P. monodon*) hatchery industry in Panay Island.. AFSSRN-SEAFDEC/AQD, 1994:80.
- 1994 Estepa, F.D., Hamid, S.N., Fortes, R.D. Effect of pH and ammonia on survival and growth of the early larval stages of *Penaeus monodon* Fabricius. *Aquaculture*, 1994, 125:67 - 72.
- 1993 Estepa, F.D.P., Llobrera, J.A., Villaluz, A.C. and Salde, R. Survival and metamorphosis of *Penaeus monodon* larvae at different salinity levels.. *Israeli J. Aquaculture - Bamidgeh*, 1993, 45(1):3 - 7.
- 1992 Estepa, F.D.P., Bautista, M.N., Millamena, O.M., Borlongan, E.L. Large scale hatchery production of *Penaeus monodon* using natural food and artificial diets. *The Israeli Journal of Aquaculture - Bamidgeh*, 1992, 43:137 - 144.
- 1991 Estepa, F.D.P. Survival of newly-hatched *Epinephelus malabaricus* at different salinity levels.. *European Aquaculture Society Special Publication Gent, Belgium*, 1991, 15.
- 1991 Estepa, F.D.P, Qunitio, E.T., Borlongan, E. Prawn hatchery operations. *SEAFDEC AQD Extension Manual No. 19/ Tigbauan, Iloilo, Philippines*, 1991, 19.
- 1991 Estepa, F.D.P., Qunitio, E.T., Coniza, E. Notes on the completion of the life cycle of *Penaeus japonicus* in captivity in the Philippines. *Philippine Journal of Science*, 1991, 120(2):155 - 158.
- 1989 Estepa, F.D.P. Practices in larval and postlarval rearing of tiger prawns. *SEAFDEC AQD. SEAFDEC Newsletter*, 1989, 11(4):4, 19.
- 1989 Estepa, F.D.P., Ladja, J.M., de Jesus, E.G., Ferraris, R.P. Effect of salinity on hemolymph calcium concentration during the molt cycle of the prawn *Penaeus monodon*. *Marine Biology*, 1989, 102:189 - 193.
- 1988 Estepa, F.D.P. Selection, transport and acclimation of prawn fry. *UP Aquaculture Society; Iloilo City, Philippines*, 1988:81 - 85.
- 1987 Estepa, F.D.P., Ferraris, R.P., .Ladja, J.M., de Jesus, E.G. Responses of intermolt *Penaeus indicus* to large fluctuations in environmental salinity. *Aquaculture*, 1987, 64:175 - 184.
- 1987 Estepa, F.D.P., Ferraris, R.P., de Jesus, E.G., Ladja, J.M. Osmotic and chloride regulation in the hemolymph of tiger prawn *Penaeus monodon* during molting in various salinities. *Marine Biology*, 1987, 95:377 - 386.
- 1986 Estepa, F.D.P., Ferraris, R.P., Ladja, J.M., de Jesus, E.G. Effect of salinity on the osmotic, chloride, total protein and calcium concentrations in the hemolymph of the prawn *Penaeus monodon* (Fabricius). *Comparative Biochemistry and Physiology*, 1986, 83A:701 - 708.
- 1985 Estepa, F.D.P. Larval rearing of *Penaeus monodon* : Feeds and feeding techniques. *Fish and Crustacean Feeds and Nutrition/ Philippine Council for Aquatic And Marine Research and Development Book Series*, 1985(3):21 - 23.
- Noor-Hamid, S., Fortes, R. D., & Parado-Estepa, F. (1994). Effect of pH and ammonia on survival and growth of the early larval stages of *Penaeus monodon* Fabricius. *Aquaculture*, 125(1&€2), 67&€72.. nn, .

Name Emmanuel P. Estrella

Gender Male

Civil Status Single

Organizational Affiliations

Research Assistant Professor 3, National Institutes of Health, UP Manila

Head: Microsurgery Unit, Department of Orthopedics, University of the Philippines, Manila

Clinical Associate Professor, Phil Gen Hospital Section of Hand Surgery, UP-PGH, Taft Ave, Manila

Education

M.S.(Clinical Epidemiology), U.P.-Manila, 2009

Doctor of Medicine, University of the Philippines, Manila

Fields of Specialization

Hand Surgery

Brachial Plexus and Microsurgery

Medical Sciences

Association Membership

Member, National Reserach Council of the Philippines

Secretary, Association of Hand Surgeons of the Philippines

President, Philippine Shoulders Society (PShS)

Secretary, Philippine Orthopaedic Association, Inc.

Honors / Awards

International Publication Award, UP System Award for publication in an international ISI indexed journal 2010

Publication Award 2011, UP System Award for publication in national and international non-ISI indexed journal 2011

2nd Place Annual Resident's Research Forum, UP-PGH, Manila, Philippines 2010 N

3rd Place Annual Resident's Research Forum, Department of Orthopedics, UP-PGH, Manila Philippines 2010 N

Trainings

8th Asia-Pacific Federation of Societies for the Surgery of Hand, Kaoshiung 2009 N 13-15

Researches

Completed

Sural flap coverage for foot and ankle defects

Risk factors for pressure ulcer development among bedfast patients in a tertiary hospital

Sacral ulcer coverage in non-ambulatory patients with hypoalbuminemia

Functional outcome of nerve transfers for shoulder reconstruction in Brachial Plexus

injuries

Vascularized versus Nonvascularized fibular autografts in the Reconstruction of Post-oncologic Long bone Defects”, 2nd Place Annual Resident’s Research Forum

Combination of nerve transfers and C7 neurolysis for upper type brachial plexus injuries

Outcome of Unstable Distal Radius Fractures Treated With External Fixation versus Open Reduction and Internal Fixation.

A Comparison of Outcomes of Brachial Plexus Injury with Reconstructive surgery versus no Surgery.

Oral Factor Xa Inhibitor versus Low Molecular Weight Heparin in Venous Thromboembolism Prophylaxis after total hip or knee arthroplasty: A Meta-analysis of Randomised controlled trials

Risk Factors for Lower Extremity Infections in Filipino Diabetic Patients: A Multi-Center, Hospital-Based, Case-Control Study

on-going

Effect of topical application of mitomycin C in repaired flexor tendon in a chicken model

Comparison of vascularized versus non-vascularized fibula graft reconstruction in post oncologic long bone defects

Outcomes of microsurgical replantation surgeries of the upper extremity

Single vs Multiple prophylactic antibiotics in closed hand fractures treated with open reduction and pin fixation: A Randomized, Controlled Trial

Preliminary results of vascularized fibular grafting for avascular necrosis of the femoral head

Ongoing

Third Radius Fractures: A Meta-analysis of Randomized Trials

Assessment of Risk Factors for Hand Infections in Diabetic Patients: A Case-Control Study

Open Reduction, Internal fixation with plate and screws versus External Fixation as Treatment for Unstable Distal Third Radius Fractures: A Meta-analysis of Randomized Trials

Papers Presented

Estrella, E.P. (2009 N 13-15). Nerve transfer for elbow reconstruction in Bracial Plexus Injuries, 8th Asia-Pacific Federation of Societies for the Surgery of Hand, Kaoshiung.

Estrella, E.P. (2009 N 13-15). Muscle transfers for elbow reconstruction in Bracial Plexus Injuries, 8th Asia- Pacific Federation of Societies for the Surgery of the Hand, Kaoshiung .

Publications

- | | |
|------|---|
| 2012 | Estrella, E.P., Panti, P.L. Outcome of unstable distal radius fractures treated with open reduction and internal fixation versus external fixation. <i>Hand Surgery</i> , 2012:17(2):173-9.. |
| 2011 | Molon, J.N.D., Estrella, E.P. Pressure Ulcer Incidence and Risk Factors Among Hospitalized Orthopedic Patients: Results of a Prospective Cohort Study. <i>Ostomy Wound Manage.</i> Epub., 2011 O. |
| 2011 | Estrella, E.P. Among Hospitalized Orthopedic Patients: Results of a Prospective Cohort |

- Study. *Ostomy Wound Manage.* Epub, 2011 O.
- 2011 Estrella, E.P., Padua, M.R. The Local Adipofascial Flap for Volar Digital Defects: A Case Report. *Hand Surgery*, 2011, 16(3).
- 2011 Estrella, E.P. Functional outcome of nerve transfers for upper-type brachial plexus injuries. *Journal of Plastic Reconstructive Aesthetic Surgery* doi:10.1016/j.bjps.2011.02.002.1, 2011.
- 2011 Estrella, E.P., Padua, M.R. The "Local Adipofascial Flap" for Volar Digital Defects: A Case Report. *Hand Surgery*, 2011, 16(3).
- 2011 Estrella, E.P. Functional outcome of nerve transfers for upper-type brachial plexus injuries. *J of Plast Reconstr Aesthet Surg* doi:10.1016/j.bjps.2011.02.002.1, 2011.
- 2011 Tacata, I.S., Estrella, E.P. History of Hand Surgery in the Philippines. *Hand Surgery Worldwide: International Reconstruction of a "Beautiful and Ready Instrument of the Mind"* (Urbaniak JR, Levin LS, Baek GH, Soucacos PN. Eds.), Konstantaranas Medical Publications, Greece, 2011:151-158.
- 2010 Shulman, A., Kohlhoff, S., Estrella, E., Kalra, K., T. Smith-Norowitz, T., Durkin, H., Hammerschlag, M., Joks, R., Weaver, D. Responses to Chlamydia Pneumoniae (cpn) In Allergic Asthma. *Journal of Allergy and Clinical Immunology - J ALLERG CLIN IMMUNOL*, 2010, 125(2):AB48-AB48.
- 2009 Estrella, E.P., Lee, E.Y. Muscle transfers for elbow reconstruction in Brachial Plexus Injuries. *Proceedings of the 8th Asia Pacific Federation of Societies for the Surgery of the Hand, Kaoshiung*, 2009 N 13-15.
- 2009 Estrella, E.P., Lee, E.Y. Nerve transfers for elbow reconstruction in Brachial Plexus Injuries. *Proceedings of the 8th Asia-Pacific Federation of Societies for the Surgery of the Hand, Kaoshiung*, 2009 N.
- 2009 Estrella, E.P., Wang, E.H.M., Caro, L.D.D., Castillo, V. Functional outcomes of reconstruction for Soft Tissue Sarcomas of the Foot and Ankle. *The Foot and Ankle Journal*, 2009 Mr.
- 2009 Estrella, E.P. An infrared forehead thermometer for flap monitoring. *Journal of Plastic Reconstructive and Aesthetic Surgery*, 2009 Je, 62(6):736.
- 2009 Estrella, E.P., Dela Rosa, T. Elbow Reconstruction in Brachial Plexus Injuries: A Case Series of 28 Patients. *Philippine Journal of Surgery Specialties*, 2009, 64(2):81-89.
- 2008 Estrella, E.P., Eufemio, E.M.T. Isolated Extensor Hallucis Longus Paralysis after Knee Arthroscopy: A case report. *The Foot & Ankle Journal*, 2008.
- 2008 Addosooki, A., Doi, K., Hattori, Y., Atsushi Moriya, A., Estrella, E.P. Evaluation of C5 nerve root repairability in traumatic brachial plexus injuries: proposal of an evaluation scoring system.. *Journal of Reconstructive Microsurgery*, 2008, 24(1):3-10..

Name Miguel Diño Fortes
Place of Birth Sorsogon City, Sorsogon
Date of Birth 29 September 1947
Gender Male
Civil Status Married
Home Address #6 A. Bautista St., Area 2, University of the Philippines Campus,
Diliman, Quezon City,

Organizational Affiliations

Full Professor XII, (Permanent), Marine Science Institute, College of Science. University of the Philippines, Diliman, Quezon City

Faculty Member, College of Science & Mathematics (CSM),

Education

Ph.D. (Marine Science), University of the Philippines, Diliman, Quezon City 1986

With formal academic and research credits, University of Hamburg, West Germany 1981

M.S. (Marine Botany), University of the Philippines,, Diliman, Quezon City, Philippines 1976

With formal academic and research credits, Duke University, North Carolina, USA 1976

B.S. (Botany), University of the Philippines, Diliman, Quezon City, Philippines 1972

Fields of Specialization

Coastal and Marine Ecology (seagrasses and mangroves)

Coastal Restoration Ecology

Marine Science

Employment

Head of Office, UNESCO-Intergovt Oceanographic Commission Regional Secretariat for Western Pacific (WESTPAC), 2003 O - 2006 O-

Instructor III, Marine Science Institute, College of Science, University of the Philippines, 1975 O-

Instructor I, Marine Science Institute, College of Science, University of the Philippines, 1971 N - 1975 O-

Teaching Assistant (Graduate), Marine Science Institute, College of Science. University of the Philippines, 1970-1971-

Assist. Deputy Director for Instructions, Marine Science Center, UP, Diliman, QC, 1987 - 1989-

Instructor IV, Marine Science Institute, College of Science, University of the Philippines, 1975 Ja - 1976 My-

Assist. Professor I, Marine Science Institute, College of Science, University of the Philippines, 1976 My-1980 Je-

Assist. Professor II, Marine Science Institute, College of Science, University of the

Philippines, 1981 O-

Assist. Professor III, Marine Science Institute, College of Science, University of the Philippines, 1982 My-1984Je-

Assist. Professor IV, Marine Science Institute, College of Science. University of the Philippines, 1985 D - 1986 N-

Professor III,, Marine Science Institute, College of Science. University of the Philippines, 1992, N - 1993 My,-

Professor IV, Marine Science Institute, College of Science, University of the Philippines, 1993 My - 1994 D-

Professor V, Marine Science Institute, College of Science, University of the Philippines, 1995Ja 1-1996 Ja1-

Professor VIII, Marine Science Institute, College of ScienceUniversity of the Philippines, 1996 Ja - 1998 My-

Professor XI, Marine Science Institute, College of Science, University of the Philippines, 1998 My - 1999 Je-

Association Membership

Coordinator, Environmental Science Program College of Science, UP, Diliman, Quezon City

Commissioner/Vice-Chair, UNESCO (Phil) Programme for S & T

Vice-Chair, UNESCO (Philippines) Man and Biosphere Programme

Chair, National Committee on Marine Sciences, UNESCO National Commission of the Philippines

Chair, National Committee on Marine Sciences, UNESCO National Commission of the Philippines

Chairman, Philippine National Seagrass Committee

President, World Seagrass Association

Vice-President, World Seagrass Association

President, Philippine Phycological Society

Member, Editorial Advisory Board, Mangroves and Salt Marshes, Kluwer Academic Publishers

Member, Visiting Committee to evaluate the Ocean Research Institute of the University of Tokyo

Chairman, Philippine National Seagrass Committee (Seagrass Component)

Member, Technical Advisory Committee, Coastal Zone Asia-Pacific

Member, IAPSO-IAHS Joint Commission on Groundwater-Seawater Interactions (CGSI)

Member/Technical Adviser, Puerto Galera Most Beautiful Bay, Inc.

Member, Scientific Committee on Oceanic Research Working Group 106

Member, Technical Expert Panel on Marine & Coastal Protected Areas of the Convention on Biological Diversity

Co-Chair, Biodiversity Programme for East and Southeast Asia of the Japan Society for the Promotion of Science

Member, Steering Committee of the Southeast Asia Global Ocean Observing System (SEA-GOOS)

Chair, National Committee on Marine Sciences of the UNESCO National Commission of the Philippines

Vice-Chair, Science & Technology Programme of the UNESCO National Commission of the Philippines

Fellow, National Defense College of the Philippines, Department of National Defense

Member, Tech Advisory Committee, UNESCO Int'gov. Oceanographic Commission Subcommission for Western Pacific

Member, Technical Committee, 16th International Seaweed Symposium

Member, Sustainable Use Group of Experts in Asian Reg, Int'l Union for Conservation of Nature & Nat. Res.

Member, Scientific Committee on Oceanic Research. Working Group 106, Int'l Council of Scientific Unions

Member, Group of Experts on the Effects of Pollution of GIPME/Intergovernmental Oceanographic Commission

Member, Steering Committee, Coastal Area Management of Calanacan Bay, EMB-DENR/MARCOPPER

Member, Aquatic Resources Management and Oceanography Sectoral Consultative Group

Member, Committee on Wetlands, Department of Environment and Natural Resources

Member, Search Committee for the Dean of the College of Forestry, UP at Los Banos

Secretary, Marine Environmental & Resources Foundation, University of the Philippines, Diliman, QC, Philippines

Technical Adviser, Puerto Galera Most Beautiful Bay, Inc.

Vice Chairman, National Committee on Marine Sciences

Chairman, National Committee on Marine Sciences

Chairman, National Committee on Marine Sciences

Member, Philippine Association of Environmental Assessment Professionals

Press Relation Officer, Institute of Biology Alumni Association

Member, CS Environmental Science Program Committee

Member, ad hoc Committee on Wetlands, Department of Environment and Natural Resources

Member, U.P. Diliman Environmental Committee

Member, Natural Science Research Committee, Office of Research Coordination, U. P. Diliman, Quezon City

Member, Professors World Peace Academy

Member, International Society for Ecological Economics
Member, Estuarine Research Foundation
Member, Board of Judges, CALTEX DOST DECS National Science Art Contest
Chairman, Board of Judges, CALTEX DOST DECS National Science Art Contest
Vice chairman, Board of Judges, CALTEX DOST DECS National Science Art Contest
Member, International University of the Bioenvironment
Founding Member/Member, Biopolitics International
Vice Chairman,, Univ. of the Philippines Science Research Foundation Board of Trustees
Member, Association of Southeast Asian Marine Scientists
Member, Task Force on the Living Resources of the Western Pacific (WESTPAC IOC)
Member, International Phycological Society
Member, British Phycological Society
Member, Western Society of Naturalists
Immediate Past President, Philippine Phycological Society

Honors / Awards

Awardee, Visiting Scholarship/Project Professorship, University of Tokyo 2010 Ap 20 - Je 10
Chairholder, University of the Philippines Professorial Centennial Chair 2009 - 2010
1st Place (Research Category), DOST-PCAMRRD 2008 N
Chairholder, Lucio Tan Professorial Chair 2007 Ja - D
UP Scientist 1 (UP Scientific Productivity Award), 2006-2008, Board of Regents 2006 Ag 31
Chairholder, UNESCO-CSI, Paris 1998 N - 2001 O
Chairholder, Metro Manila Commission Professorial Chair 1991 Ja - 1998 N
Most Outstanding Alumni Award for 1997 (Professional Category: Environmental Science and Ecology), University of the Philippines, Diliman, Quezon City 1997
1995 International Biwako Prize for Ecology (for Southeast and East Asia and East Russia), Governor of Shiga Prefecture, Japan 1996 Mr 23
Citizen of the Week Award for Outstanding Service to Country and People, House of Senate, Senate Hall 1994 Mr 27
E. O. Tan Award for Best Publication in Philippine Marine Fisheries, Philippine Marine Fisheries 1993
U.P. Diamond Jubilee Faculty Grantee, U.P. 1987 Ja - 1990 D
Ten Outstanding Young Scientists of the Philippines Award for 1986, National Academy of Science and Technology, Department of Science and Technology 1986, JI
Fellow, University of the Philippines Local Faculty Fellowship, University of the Philippines 1974 - 1975.

Trainings

- International Workshop on Mangrove and Estuarine Area Development for the Indo Pacific Region, Manila 1977
- DIVERSITAS Second Ocean Science Conference, Cape Town, South Africa 2009 O 13-16
- Consultation Workshop on Climate Change Implementation Plan of the Philippines, Asian Development Bank 2009 Mr 10
- Experts and Stakeholders Workshop on Climate Change Impact on the Verde Island Passage, Hotel PonteFino, Batangas City 2009 Jl 22-24
- SNC Project Inception Workshop, Sulo Hotel, Matalino Road, Diliman, Quezon City 2008 Je 19
- Dev an Integrated Decision Support Sys for Mng Coastal Ecosys Change in Tropical East Asia & Pacific, Marine Science Institute CS, University of the Philippines, Diliman, Quezon City 2008 Ja 24 -25
- Environmentally Sustainable Coastal Resources Utilization In Puerto Galera: Now, The Actions, Marine Science Institute CS - Tokyo Institute of Technology 2007 F 22-23
- 7th International Seagrass Biology Workshop, Zanzibar, Tanzania 2006 S 10-16
- Pan Ocean Remote Sensing Conference, Bexco, Busan, South Korea 2006 N 2-4
- Regional Workshop on Mitigation, Preparedness & Devt for Tsunami Early Warning System in Indian Ocea, Bangkok, Thailand 2006 Je 14-16
- The 3rd Coastal Zone Asia Pacific Conference (CZAP2006), "Linking People and the Coasts", Batam, Indonesia 2006 Ag 29 -S 2
- 2nd Int'l Workshop on Asian Dust & Ocean Eco System, Inner Mongolia Autonomous Region, R.P. China 2006 Ag 10-20
- 1st Philippines - JSPS Planning and Technical Forum, Traders Hotel, Manila 2006 O 26
- First Regional Partners Workshop on Regional Coordination Mechanisms in the East Asian Seas Region, Bangkok, Thailand 2005, My, 9-10
- Thai-German Sem on Coop Research & Capacity Bldg: Ocean Geosci, Marine Ecology & Nat Hazard Mgnt, Phuket, Thailand 2005, Mr, 29-31
- Planning Workshop on Public Awareness & Edu Component on Tsunami Early Warning Strengthening Project, UNESCAP, Bangkok 2005 S 7-8
- Capacity Building Strategy Experts Workshop, SALLE VII - UNESCO Headquarters, Rue de Fontenoy, Paris, France 2005 Mr 9 -11
- 6th International Seagrass Biology Workshop, Magnetic Island, Townsville, Australia, 2004, S, 28 - O, 1
- Workshop on the National Action Plan for Coral Reefs and Seagrass for Cambodia, Sihanoukville, Cambodia 2004 Je 12
- Second Workshop for the Global Ocean Data Archive and Rescue, Tokyo, Japan 2004 N 10-12
- ECOTONE: UNESCO MAB Seminar on the Ecosystem Approach, Cambodia 2003 Ag 26-28

Workshop for Policy Makers, Coastal Resources Mgmt & Sustainable Tourism in Ulugan Bay, UNDP-UNESCO, The Legend Hotel, Puerto Princesa City, Palawan 2000 JI 17-21

Workshop on Marine Environmental Protection, Philippine Coast Guard, Port Area, Manila 2000 Ag 25

Strategic Planning Workshop for Southeast Asia, UNESCO Coastal Regions and Small Islands Project,, Bangkok, Thailand 2000 JI 23-25

First National Conference/Workshop on Harmful Algal Blooms, Marine Science Institute, CS, UP, Diliman, Quezon City, Philippines 2000 Ag 24

Technical Workshop for Capacity Building, Eugenio Lopez Convention Center, Antipolo, Rizal 1999 O 25-26

Workshop for Teachers Part II: Environmental Consciousness, Puerto Galera, Oriental Mindoro 1999 JI 28-31

The human & scientific dimensions of managing Tubbataha Reefs as Nat World Heritage Site, Part III, Puerto Princesa, Palawan 1999 Je

Workshop for Teachers Part 1: Effective Affective Teaching, Puerto Galera, Oriental Mindoro 1999 Ja 3-5

The human & scientific dimensions of managing Tubbataha Reefs as Nat World Heritage Site, Part I, Puerto Princesa, Palawan 1999 Ap

The human & scientific dimensions of managing Tubbataha Reefs as Nat World Heritage Site, Part II, Puerto Princesa, Palawan 1999 My

Workshop on Wise Coastal Practices, UNESCO Coastal Regions and Small Islands Project (UNESCO-CSI), Paris, France 1998 N 30 - D 5

3rd International Seagrass Biology Workshop (ISBW-3), Manila, Philippines 1998 Ap 19-26

3rd International Seagrass Biology Workshop, Perth, Western Australia 1996 Ja 24-29

Evaluation Workshop of Project Coop in Environmental Ecotechnology for Developing Countries, Delft, The Netherlands 1995 S 24 - O 3

Second National Workshop to Review the draft of Philippine Biodiversity Country Study, SEARCA Auditorium, UPLB, College, Laguna 1995 S 21 -22

Methodology Workshop on Living Resources of the Coastal Zone, Townsville, Australia 1995 S 1 - O 26

Second Regional Workshop of the East Asian Project 35, Bangkok, Thailand 1995 O 15-20

Consultative Meeting/Workshop on the Development of the Manila Oceanarium, Department of Tourism Manila 1995 JI 10

Ecotone IV Regional Seminar on the Management of Mangrove Restoration and Regeneration, Surat Thani, Thailand 1995 Ja 18- 22

1st Workshop on EAS 35 Project, Integ Mgmt of Watershed, Coastal, Marine Enviro in East Asia, Bangkok, Thailand 1995 Ap 3-7

First Workshop of the UNEP East Asian Seas Project EAS 35, Bangkok, Thailand 1995 Ap 17

First National Workshop on the National Biodiversity Study, Philippine Social Science

Center, UP Diliman, Quezon City 1995 Jl 28

Workshop and Project Update, Cooperation on Environmental Ecotechnology for Developing Countries, Delft, Netherlands 1994 S 22 - O 2

Regional Seminar/Workshop on Coastal Zone Management of Southeast Asia, Sabah, Malaysia 1994 N 7-9

2nd International Conference on Oceanography, Lisbon, Portugal 1994 N 17-19

Seminar on Seagrass Ecology, Int'l Ins for Infrastructure, Hydraulic & Environmental Engr, Delft, The Netherlands 1994 Ap 19

Environmental Management Training Workshop, Carlos P. Romulo Hall, NEDA, Makati 1994 N 16-18

Workshop on Coastal Zone Research in Southeast Asia, Southeast Asian Research Committee for START), Jakarta, Indonesia 1994 My 9 - 11

Environmental Perspectives and the Institutional Responses for the Island of Palawan, Palawan National Agricultural College, Puerto Prinsesa, Palawan 1994 F 4-5

Medical and Hospital Waste Management: From Knowledge to Action, Hotel Nikko Manila Garden, Makati, Metro Manila 1993 My 12-14

Task Analysis for Environmental Impact Assessment, Monitoring and Evaluation, National Training Center for Cooperatives/Foundation for the Philippine Environment, Quezon City 1993 Je 14

The Role of Philosophy in an Environmental Impact Assessment System, Department of Philosophy, College of Social Science and Philosophy 1993 Jl 2

International Seminar on Integrated Coastal Area Management: Special Area Management Planning., Hat Yai, Thailand 1992, Mr - Ap

Seminar Workshop on the Conservation of Biological Diversity in the Philippines, PCARRD Headquarters, Los Banos, Laguna 1992 N 25

Seminar/Workshop on University Environmental Concerns, Institute for Science and Mathematics Education Development 1991, S, 11

Workshop on Mangrove Productivity, PCARRD Headquarters, Los Banos, Laguna, 1991, D, 5-6

Workshop on Management (Integrated Protected Areas System of the Philippines), Tagaytay City 1991 O 25

Workshop on Sustainable Development for Philippine Journalists, Continuing Education Center, U. P. at Los Banos 1991 D 1-6

Workshop on Mangrove Fisheries and Connections, Tambun Inn, Ipoh, Malaysia 1991 Ag 26-30

Study visits to 6 Japanese marine inst in connection w/ the Joint Phil Japan Scientific Expedition, Japan 1991 Mr - My

Advanced Regional Training Course/ Workshop on Seagrass Resources Research and Management, UNESCO, Quezon City, Philippines 1990, Ja, 6-26

Seminar/Workshop on the Management of Nearshore Fishery Resources,, Ecotech, Cebu City 1990, Ja

Japan Scientific Survey of Marine Algae and Their Resources in the Philippine Islands,

Japan 1990 O 8-18

Structure & Biomass of Algae Epiphytic on Seagrasses of Northern Rivers of Great Barrier Reef, North Queensland, Australian 1989, Je,30-JI,23

Stock Assessment of Seaweeds, Halifax Fisheries Research Laboratory, Nova Scotia, Canada 1989, Je,11-JI,13

Physiological Ecology of Seaweeds and Seagrasses, University of South Florida, Tampa, Florida 1988, O, 21-N21

International Seminar on Underutilized Bioresources of Asia, Japanese International Cooperation Agency/UP Los Banos 1988 N

IMO/UNEP Regional Seminar on the Control of Waste Disposal at Sea,, Bangkok, Thailand 1987, D, 14-18

Salt Marsh Restoration Seminar, Raleigh, North Carolina 1986, S, 30

First Philippine US Phycology Workshop, Manila 1984 O - N

International Training Course in Sampling Design for Marine Biologists, UNESCO University of San Carlos, Cebu, Philippines 1976 S - O

Intensive Scientific SCUBA Diving Course, Morehead City, North Carolina, USA 1975 S - N

First Weed Science Training Course, Bogor, Indonesia 1972 Ap - My

Researches

Completed

Education for Living in an Archipelago

Rehabilitation of seagrass beds in highly-silted and nutrient enriched waters of Cape Bolinao, Pangasinan

In situ measurement of the effects of milkfish (*Chanos chanos*), sea urchin (*Tripneustes gratilla*), and giant clam (*Tridacna* sp.) cages on the mixed seagrass beds at Cape Bolinao, NW Philippines: a synthesis

Millennium Ecosystem Assessment

Research on Mangrove and Seagrasses of Okinawa Is., Japan

Oceans Ecosystem and Biodiversity Programme

Seagrass Growth Response in a Giant Clam Nursery in Silaqui Island, Bolinao, Pangasinan (Phase I)

Integrated Support System for Managing Environmental Change and Human Impact on Tropical Coastal Ecosystems in East Asia and the Pacific

On-going

Seagrass Growth Response in a Giant Clam Nursery in Silaqui Island, Bolinao, Pangasinan (Phase II)

Developing an Integrated Decision Support System to Mitigate the Impacts of Climate Change

Global seagrass monitoring network for Asia-Pacific (SeagrassNet)

Bolinao Seagrass Demonstration Site (BSDS)

On-Going

(Seagrass Component),"Coastal Environment Responses to Natural and Anthropogenic Stresses: The Bolinao Research Program?"

On-going

Ecosystem and Biodiversity Component

Conservation Strategy Based on Regional Reef Connectivity and Environmental Load Assessment in Southeast and West Pacific Region

Ongoing

Coastal Ecosystem Conservation and Adaptive Management Under Local and Global Environmental Change in the Philippines

Papers Presented

Fortes, M.D (2010 Jan 14-15). International Symposium on Integrated Coastal Management for Biodiversity in Asia, Kyoto University-Nippon Foundation, Kyoto Japan.

Fortes, M.D (2009 O 25-30). Science to Action: Marine Ecosystem Biodiversity Conservation as a Community Adaptation Measure to the Impacts of Climate Change in the Philippines, 4th Seminar of the Japan Society for the Promotion of Science Multilateral Core University Program.

Fortes, M.D (2009 O 13-16). New Approach to Biodiversity Conservation in Southeast Asia: Integration of Social Ecological Systems in Coral Reefs, Seagrass Beds in Mangrove, DIVERSITAS Second Ocean Science Conference, Cape Town, South Africa.

Fortes, M.D (2009 N 23-27). Social-Ecological Systems (SES) Approach in Sustainable Coastal Tourism in Biosphere Reserves in East Asia, East Asian Congress, PICC, Manila.

Fortes, M.D (2009 My 15). Seagrasses and Mangroves: Responding to Global Environmental Change, 1st National Conference on Marine Plant Diversity and Its Natural Product.

Fortes, M.D (2009 My 14-15). Seagrasses and Mangroves: Responding to Global Environmental Change, National Conference on Marine Plant Biodiversity and Its Natural Products UPMSI, Diliman, QC.

Fortes, M.D (2009 Mr 2). Philippine Marine Tourism: a Question of Values & Goals, Aquatourism Development in the Philippines, Hotel Nikko, Manila.

Fortes, M.D (2009 Mr 10). Issues and Concerns in the Conduct of Research and Publications, Consultation Workshop.

Fortes, M.D (2009 Mr). Pto. Galera Biosphere Reserve: Paradise Lost..Paradise Regained, Asian Broadcasting Union-NHK Japan.

Fortes, M.D (2009 Jl 22-24). Climate Change Impact on the Verde Island Passage, Experts and stake holders Workshop.

Fortes, M.D (2009 Jl 2-4). Project on Coastal Ecosystem Conservation and Adaptive Management Under Local and Global Environmental Impacts, First Kick Off Meeting of the JST-JICA.

Fortes, M.D (2009). Seagrass-Mangrove Connections as Mitigating and Adaptation Measures in Southeast Asian Coasts, .

Fortes, M.D (2009). Seagrass Biodiversity Conservation: The Necessity of Social-Ecological Systems Integration, .

- Fortes, M.D (2009). Seagrass Science and Research in East Asia: Are we going in the Right Direction?, First International Conference on Seagrass and Dugong(ICSSED).
- Fortes, M.D., Almonte, T.B. and Paciencia, Jr., F.D. (2007). The Bolinao Seagrass Demonstration Site (BSDS): linking seagrass to the coastal resources management in Bolinao, Pangasinan., 9th National Symposium on Marine Science, Iloilo City,.
- Fortes, M.D., Paciencia, F.D. Jr. and Almonte, T.B. (2007). Information, education and communication campaign of the Bolinao seagrass demonstration site project., 9th National Symposium on Marine Science, Iloilo City..
- Fortes, M.D., Regino, G.L., San Diego-McGlone, M.L., Uy, W.H. and Nacorda, H.M.E. (2007). Leaf growth response of the seagrass *Enhalus acoroides* to biodeposits of the giant clam, *Tridacna gigas* in Bolinao, Pangasinan, Northern Philippines., 9th National Symposium on Marine Science, Iloilo City..
- Fortes, M.D., Almonte, T., Celeste, A. and Montano, N.M.E. (2006). The Bolinao Seagrass Demonstration Site (BSDS): A Milestone in Seagrass Research and Management in Southeast Asia, PhilMINAQ Conference, MSI, Diliman, QC.
- Fortes, M.D. and Santos, K.F. (2004). Seagrass ecosystem of the Philippines: status, problems and management directions. In: DA-BFAR, In Turbulent seas: The status of Philippine marine fisheries., CRMP-DENR, Cebu City, Philippines..
- Fortes, M.D., Cayabyab, N.M., and Rollon, R.N. (2003). Abundance and early development of the natural recruits of *Enhalus acoroides* (L.f.) Royle., 7th National Symposium in Marine Science, Cagayan de Oro City..
- Fortes, M.D. (2002). Global climate change: ecological implications on the seagrass ecosystems of Southeast Asia., Proceedings of IESS '95..
- Fortes, M.D., Nacorda, H.M.E. and Vermaat J.E. (1999). Nacorda, HME, Vermaat JE, Fortes MD. 1999. Burrowing shrimps in mixed Philippine seagrass beds, 3rd International Seagrass Biology Workshop, Manila, Philippines.
- Fortes, M.D., Aquino, S.G. and Fazi S. (1999). Status of coastal resources of Ulugan Bay, Western Philippines., 3rd International Seagrass Biology Workshop, Manila, Philippines..
- Fortes, M.D. (1998). Marine and Coastal Ecosystems., Environmental Center of the Philippines Foundation, Diliman, Quezon City..
- Fortes, M.D., Sudara, S., Nateekanjanalarp, Y., Poovachiranon, S. (1997). Human uses and destruction of ASEAN seagrass beds., Living Coastal Resources of Southeast Asia.
- Fortes, M.D. (1997). Coastal Land Use Planning Guidebook, an input into the four-volume Guidebook for Sustainable Land Use Planning in the Local Government Units., DENR-U.P. Planning and Development Research Foundation, Inc. (UP Planades).
- Fortes, M.D. (1996). Seagrass research in Southeast Asia: where does it lead to?, International Workshop. Rottneest Island, Western Australia: University of Western Australia..
- Fortes, M.D. (1996). Seagrass research in Southeast Asia: Where does it lead to?, Seagrass Biology: Proceedings of an International Workshop..
- Fortes, M.D. (1995c). Seagrass and Mangrove utilization in ASEAN: "Biting the hand that feeds"., Fourth Annual Common Property Conference..
- Fortes, M.D. (1995b). Global climate change: ecological implications on the seagrass ecosystems of Southeast Asia., 2nd Circum-Pacific International Earth Environment Symposium Series, Korea Inter-University Institute of Ocean Science, National Fisheries

University of Pusan, Pusan, Korea..

Fortes, M.D. (1995). Seagrasses of East Asia: Environmental and management perspectives., RCU/EAS Technical Report Series No. 6. UNEP, Bangkok, Thailand..

Fortes, M.D. (1995). Philippine seagrasses: status and perspectives., Third ASEAN-Australia Symposium on Living Coastal Resources..

Fortes, M.D. and McManus, L.T. (1995). Issues, concerns, and challenges in coastal zone development in Southeast Asia., Konrad Adenauer Foundation (Germany) and Institute for Development Studies (Sabah).

Fortes, M.D. and Flores, G.A. (1995). Preliminary assessment on the distribution patterns of prawn species in seagrass beds of Cape Bolinao., 3rd National Symposium in Marine Science..

Fortes, M.D. (1994c). Philippine seagrass: status and perspectives., 3rd ASEAN Australia Symposium on Living Coastal Resources.

Fortes, M.D. (1994b). Enhalus watch: respective seasonal production signature (RSPS) an index of past environmental events., Third ASEAN Australia Symposium on Living Coastal Resources Vol. 2.

Fortes, M.D. (1994a). Do biological connections exists between seagrass and mangrove ecosystems? A case study in the Philippines, Third ASEAN Australia Symposium on Living Coastal Resources Vol. 2.

Fortes, M.D. (1994 D). Seagrass resources of ASEAN, 3rd ASEAN Australia Symposium on Living Coastal Resources.

Fortes, M.D. and Flores, G.A. (1994). Photosynthetic respiratory responses of seagrasses in Pislatan, Cape Bolinao, Pangasinan., Second National Symposium in Marine Science..

Fortes, M.D., Sudara, S. (1994). Action Agenda for ASEAN Seagrass Systems, 3rd Asean Australia Symposium on Living Coastal Resources.

Fortes, M.D., Kiswara, W. Nateekanjanalarp, S. Poovachiranon, M.G.K. and Loo. (1994). Status of seagrass beds in ASEAN, Third ASEAN Australia Symposium on Living Coastal Resources Vol. 2..

Fortes, M.D., Nateekanjanalarp, S. and Poovachiranon, S. (1994). Human uses and destruction of ASEAN seagrass beds., Third ASEAN Australia Symposium on Living Coastal Resources.

Fortes, M.D., Poovachiranon, S., Sudara, S. Kiswara, W. and Satumanaptn, S. (1994). Status of ASEAN seagrass fisheries, Third ASEAN Australia Symposium on Living Coastal Resources Vol. 2..

Fortes, M.D., Salita Espinosa, J.T. and Tiquio, J.P. (1994). Feeding biology of the herbivorous topshell, *Tectus (=Trochus) penetratus* in a seagrass bed in Cape Bolinao, Northern Philippines., Third ASEAN Australia Symposium on Living Coastal Resources Vol. 2..

Fortes, M.D., Salita Espinosa, J.T. and Flores, G.A. (1994). The spatial and temporal distributions of herbivorous macroinvertebrates in Cape Bolinao, Northern Philippines., Third ASEAN Australia Symposium on Living Coastal Resources Vol. 2..

Fortes, M.D. and Tiquio, J.P. (1994). Distribution of algae epiphytic on seagrasses at Pislatan, Cape Bolinao, Northern Philippines., Third ASEAN Australia Symposium on Living Coastal Resources Vol. 2..

Fortes, M.D., Salita, J.T. and Tiquio, J.P. (1994). Preliminary observations on the feeding and trophic role of *Tectus fenestratus* (Gastropod: Trochidae) in a seagrass bed in Cape Bolinao, Pangasinan, Second National Symposium in Marine Science. United Nations Development Program, Philippine Council for Aquatic and Marine Resource Development, Philippines.

Fortes, M.D., Tiquio, M.G.J.P. and Palacio, M.A. (1994). Distribution patterns of *Gracilaria* species in the Philippines, Second National Symposium in Marine Science. United Nations Development Program, Philippine Council for Aquatic and Marine Research and Development, Philippines.

Fortes, M.D. (1993). Research perspectives in Southeast Asian seagrass systems., International Workshop on Seagrass Biology Kominato.

Fortes, M.D. (1993). Biogeographic affinities of macrobenthic algae in the Philippines, 2nd RP USA Phycology Symposium/Workshop, Cebu City and Silliman University, Dumaguete City,.

Fortes, M. D. (1993). Assessment of the natural stocks of *Gelidiella acerosa* (Forssk.) Feld. et Hamel in Mantigue Island, Camiguin, southern Philippines, 2nd RP USA Phycology Symposium/Workshop, Cebu City and Silliman University, Dumaguete City,.

Fortes, M.D. (1993). Taxonomy and distribution of seagrasses in the ASEAN region, UNESCO-Jakarta (ROSTSEA), Jakarta, Indonesia.

Fortes, M.D. (1993). Management of seagrass and mangrove ecosystems in the Philippines, UNESCO-Jakarta (ROSTSEA), Jakarta, Indonesia .

Fortes, M.D. (1993). The coastal ecosystems of the ASEAN region: a vanishing frontier?, Fourth International symposium of the conference of Asian and Pan-Pacific University Presidents, Anchorage, Alaska..

Fortes, M.D., Aliño, P.M., McManus, L.T., McManus, J.W., Nanola, C.L. Jr., Trono, G.C. Jr., Jacinto, G.S. (1993). Initial Parameter Estimations of a Coral Reef Flat Ecosystem in Bolinao, Pangasinan, Northwestern Philippines, Trophic Models of Aquatic Ecosystems.

Fortes, M.D., Rollon, R.N. and Tiquio J.P. (1993). Variability in the estimated minimum number of quadrats yielding the asymptote value of diversity in different seaweed communities, 2nd RP USA Phycology Symposium/Workshop, Cebu City and Silliman University, Dumaguete City,.

Fortes, M.D. and Edwins, M. (1992). A comparative study of the fish communities in mangrove-seagrass-coral reef ecosystems of Bolinao and Pagbilao., 1st National Symposium in Marine Science, Tawi-Tawi..

Fortes, M.D. (1992). Philippine seagrass ecosystems and their resources: a situationer., State of the Nation Reports, Saving the Present for the Future, University of the Philippines Center for Integrative and Development Center and the University of the Philippine Press, Quezon City..

Fortes, M.D. (1992). Comparative study of structure and productivity of seagrass communities in the ASEAN region. p, Third ASEAN Science and Technology Week Conference Proc. v. 6 Marine Science: Living Coastal Resources, Singapore.

Fortes, M.D. (1992). Management perspectives of the ASEAN Australia LCR Project (Seagrass Mangrove Study): How far have we gone?, Third ASEAN Science and Technology Week Conference Proceedings. v.6/ Marine Science: Living Coastal Resources, Singapore..

Fortes, M.D. and Rollon, R.N. (1992). Growth rate and production of *Enhalus acoroides*

- (L. f.) Royle and seagrass zonation in Bolinao, Pangasinan., First National Symp. Marine Science, Bolinao, Pangasinan, Philippines..
- Fortes, M.D. and Salita Espinosa, J.T. (1992). Observations on the ichthyofauna of an artificial seagrass bed in Bolinao, Pangasinan., First National Symp. Marine Science, Bolinao, Pangasinan, Philippines..
- Fortes, M.D. and Tiquio, J.P. (1992). Distribution patterns of seaweeds in the Philippines., First National Symp. Marine Science, Bolinao, Pangasinan, Philippines..
- Fortes, M.D. (1991h). Community structure and productivity of microphytic algae in Philippine reefs., Fourth International coral Reef Symposium vol. 2, Paragon Printing, Quezon city, Philippines.
- Fortes, M.D. (1991g). Practicals: Field monitoring of ecological parameters., Seaweed Research Training and Workshop for Project Leaders. Marine Science Institute, University of the Philippines, Diliman, Quezon City..
- Fortes, M.D. (1991f). Scientific design and field monitoring of ecological parameters., Seaweed Research Training and Workshop for Project Leaders. Marine Science Institute, University of the Philippines, Diliman, Quezon City.
- Fortes, M.D. (1991e). Data processing and interpretation (A topical guide from a case study at Long Beach, Bolinao, Pangasinan), Seaweed Research Training and Workshop for Project Leaders. Marine Science Institute, University of the Philippines, Diliman, Quezon City.
- Fortes, M.D. (1991d). Overview of seagrass research and development efforts in the Philippines, Second National Seagrass Symposium, EMB, Diliman, Quezon City.
- Fortes, M.D. (1991c). A comparative structural analysis of the fish fauna from artificial and natural seagrass beds in Bolinao Bay, Pangasinan, Second National Seagrass Symposium, EMB, Diliman, Quezon City.
- Fortes, M.D. (1991b). Artificial seagrass system: a model with an exaggerated utility, or a useful management tool?, Second National Seagrass Conference, EMB, Diliman, Quezon City.
- Fortes, M.D. (1991a). Management of seagrass and mangrove ecosystems in the Philippines., Management of Nearshore Fishery Resources. Philippine Council for Aquatic and Marine Research and Development, Los Banos, Laguna.
- Fortes, M.D. and Rollon, R.N. (1991). Structural affinities of seagrass communities in the Philippines, Regional Symp. Living Coastal Resources. Quezon City, Philippines.
- Fortes, M.D. and Vergara, S.G. (1991). A survey of the ichthyofauna from five seagrass sites in the Philippines, Regional Symp. Living Coastal Resources. Quezon City, Philippines.
- Fortes, M.D. (1990a). Seagrass resources in East Asia: research status, environmental issues and management perspectives., First ASEAMS Symp. on Southeast Asian Marine and Environmental Protection..
- Fortes, M.D. (1988b). Seagrasses in the ASEAN region., Int. Seminar on Underutilized Bioresources in the Tropics. Japanese Society for the Promotion of Science Department of Science and Technology, Philippines. Los Banos, Laguna.
- Fortes, M.D. (1988a). The Marine Biology Workshop '86: synthesis and insights., U. P. MSI UNDP Workshop in the Marine Sciences. AIT, Quezon City, Philippines,.
- Fortes, M.D. (1987c). Proposed R and D program for seagrass resources in the

Philippines. P, First National Conf. Seagrass Man. Res. Dev..

Fortes, M.D. (1987b). Plant resources of seagrass beds., First National Conf. Seagrass Man. Res. Dev..

Fortes, M.D. (1987). Taxonomy and ecology of Philippine seagrasses., First National Conf. Seagrass Man. Res. Dev..

Fortes, M.D. (1981). Diversity, community structure and productivity of microphytic algae in Philippine reefs., Fourth Int. Coral Reef Symp. Vol. 2.,

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Publications

- 2010 Fortes, M.D., Marb Nria, C.M. Duarte, J.T., Zayda Halun, E.G. Effects of Seagrass Rhizospheres on Sediment Redox Conditions in SE Asian Coastal Ecosystems. *Estuaries and Coasts*, 2010, 33(1):107-117.
- 2009 Fortes, M.D., Izuka, H., Tamura, H., Pokavanich, T., Rubio-paringit, M.C. and Nadaoka, K. Highly skewed tidal circulation pattern and water quality in Puerto Galera Bay, Mindoro Island, Philippines.. *Coastal Engineering Journal*, 2009, 4:341-361.
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- 2004 Fortes, M.D., Olesen, B., Marba, N., Duarte, C.M., and Savelle, R.S. Recolonization dynamics in a mixed seagrass meadow: The role of clonal versus sexual processes.. *Estuaries*, 2004, 27:770-780.
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- Philippines. *Marine Pollution Bulletin*, 2002, 44:685-696.
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- performance of mixed seagrass beds along a siltation gradient at Cape Bolinao, Philippines. *Marine Ecology-Progress Series*, 1998, 174:247-256.
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- 1991 Fortes, M.D. Does media have a role in marine environmental protection?. *Philipp. Geogr. J.*, 1991, 35(1):3-12.
- 1991 Fortes, M.D. Seagrass mangrove ecosystems management: a key to marine coastal conservation in the ASEAN region. *Marine Poll. Bull.*, 1991, 23:113-116.
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- 1987 Fortes, M.D. Structure of algal communities epiphytic on the mangroves of Puerto Galera, Oriental Mindoro.. *Philippine Journal of Science (Monograph)*, 1987, 17:43-54.
- 1987 Fortes, M.D. and Jara, R. Economic and ecological importance and potentials of mangrove areas.. *Forestry Research Series*, 1987, 4:61-66.
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- 1984 Fortes, M.D. Cleaning and preserving the ASEAN oceans.. *Eco Asia Pacific.*, 1984b, 1(1):3-4.
- 1984 Fortes, M.D. Ecological assessment and cultivation of seagrasses at Bolinao Bay for biomass production.. *NRCP Research Bull.*, 1984a, 39:60-112.
- 1983 Fortes, M.D. Where have all the mangroves gone?. *Sinag Agham*, 1983, 1(2):26-31.
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- 1979 Fortes, M.D. Studies on farming the seaweed *Caulerpa* (Siphonales, Chlorophyta) in two mangrove areas in the Philippines.. *Biotrop Special Publication*, 1979, 10:111-119.
- 1979 Fortes, M.D., Trono, G.C, Jr. Marine algal microphytes new to the Philippines. *Kalikasan, Philippine Journal of Biology*, 1979, 8(1):51-68.

Name Romeo V. Labios

Gender Male

Civil Status Married

Organizational Affiliations

Consultant and Coordinator, IRRI-Japan Submergence Tolerant Rice Project, Plant Breeding, genetics and Biotechnology Division, International Rice Research Institute, Los Baños, Laguna

Scientist I and Farming Systems Agronomist, University of the Philippines at Los Baños, College, Laguna

Education

Ph.D. in Crop Production and Physiology, Iowa State University, Ames, Iowa, USA 1989

Master of Science, Agronomy (Crop Physiology), Iowa State University, Ames, Iowa, USA 1985

Bachelor of Science in Agriculture, Crop Protection, Central Luzón State University 1976 – 1980, Muñoz, Nueva Ecija 1980

Fields of Specialization

Agriculture and Forestry

Crop Science

Farming System

Conservation Farming

Research Management

Association Membership

Member, Crop Science Society of the Philippines (CSSP)

Member, Gamma Sigma Delta Honor Society of Agriculture

Member, Philippine Ministry of Agriculture

Member, Gamma Epsilon Fraternity

Member, National Research Council of the Philippines (NRCP)

Member, World Overview of Conservation Approaches and Technologies (WOCAT) Network

Member, Kiwanis Club International of U.P. at Los Baños

Member, World Association of Soil and Water Conservation (WASWC)

Member, Conservation Farming Movement, Inc. Philippines (CFM)

Member, Philippine Association of Research Managers

Honors / Awards

Gintong Butil Award for Science and Technology, Central Luzon State University 2008 Ap 12

CSSP Achievement Award on Extension, Crop Science Society of the Philippines (CSSP) 2005 My 5

Scholar, Philippine Coconut Federation (COCOFED)

Scholar, World Bank (ASSP)

Ho Chi Minh Medal for "Having Great Contribution to the cause of Agriculture and Rural Development, Ministry of Agriculture and Rural Development, Hanoi, Vietnam 2012

Trainings

13th International Annual World Overview of Conservation Approaches and Technologies (WOCAT) Worksho, Berne and Gwatt, Switzerland 2008 O 20-26

30th Annual Scientific Meeting of the National Academy of Science and Technology, Manila, Philippines 2008 JI 9-10

Rice-Maize Production Systems in Asia: A Consultative Planning Meeting.(Sponsored by IRRRI and CIMMYT, CMS, Beijing, China 2005 S 4

Site Specific Nutrient Managemnt for Maize Workshop, Medan, Indonesia 2005 My 1-4

Inaugural Meeting of ADB Funded Project, Enhancing Maize Productivity..., Bangkok, Thailand 2005 Mr10-13

7th East and Southeast Asia Federation of Soil Science (ESAFS) International Conference and PSST Con, 2005 Je 1-2

Researches

Completed

Enhancing Maize Productivity in Drought-Prone Environments in the Philippines

Systematic coordination of on station and on-farm corn research, development and extension programs in the Philippines

On-going

Implementation plans to disseminate submergence tolerant rice varieties and associated new production practices to Southeast Asia

Site-specific Nutrient Management for maize in the Philippines

Papers Presented

Labios, R.V (2011 JL 13-14). Increasing Rice Productivity in Flash Flood-Prone Areas Vulnerable to Effects of Climate Change, 33rd NAST Annual Scientific Meeting.

Mackil, D.J., Ismail, A.M., Labios, R.V., Heuer, S., Pamplona, A.M., Septiningsih, E., Sanchez,D., Vergara, G. (2008JI 9-10). Submergence Tolerant Rice for Poor Farmers in Flood-Prone Areas, 30th Annual Scientific Meeting of the National Academy of Science and Technology, Manila, Philippines.

Labios, R.V., Villancio, V.T., Javier, J., Gesite, A. (2008 O 20-26). Multi-institutional Partnerships in the Dissemination of Sustainable Land Management in the Philippines, 13th International Annual World Overview of Conservation Approaches and Technologies (WOCAT) Workshop and Steering Meeting, Berne and Gwatt, Switzerland.

Mackill, D.J., Septiningsih, E., Labios, R.V., Pamplona, A., Sanchez, D., Alvarez, V., Rala, M., Garcia, R., Ramos, N., Borgonia, J., Mendoza, J., Perez, G., M Perez, M. Sr., Suiton, E., Angaji, S.A., Masduzzaman, A.S.M., Toledo, A.M. (2008 Mr 12). Submergence tolerant rice: Progress in breeding and genetics, 75th Annual Meeting of the National Research Council of the Philippines, Manila, Philippines.

Ocampo, A.M., Labios, R.V., Labios, J.D., Medina, C.M., Lapoot, C.R., Tumamang, S.C., Gines, H.C., Descalsota, J.C., Pasuquin, J.M., Witt, C. (2008 JI 9-10). Site-Specific Nutrient Management for Maize in the Philippines, 30th Annual Scientific Meeting of the National Academy of Science and Technology, Manila, Philippines.

Mackil, D.J., Ismail, A.M., Labios, R.V., Heuer, S., Pamplona, A.M., Septinigsih, E., Sanchez, D., Vergara, G. (2008 JI 9-10). Submergence Tolerant Rice for Poor Farmers in Flood-Prone Areas, 30th Annual Scientific Meeting of the National Academy of Science and Technology, Manila, Philippines.

Labios, R.B., Gesite, A. (2008 0 20-26). Philippine Conservation Approaches and Technologies (PHILCAT) Activities for 2007-2008, 13th International Annual World Overview of Conservation Approaches and Technologies (WOCAT) Workshop and Steering Meeting, Berne and Gwatt, Switzerland.

Labios, R.V. (2005 S 5-9). On-Farm Research and Outreach-Facilitating Technology Adaptation and Utilization of Corn- Based Technologies, 9th Asian Regional Maize Workshop, Sponsored by CIMMYT, CMS and Ministry of Agriculture, Central Garden Hotel, Beijing, China.

Labios, R.V. (2005 S 4). Prospects, Issues and Constraints in Rainfed Lowland Rice-Maize Rotation System in the Philippines., Rice-Maize Production Systems in Asia: A Consultative Planning Meeting.(Sponsored by IRRI and CIMMYT), CMS, Beijing, China.

Labios, R.V. (2005 S 3). Participatory Variety Selection: Experiences in the Philippines. Greater Impact Through Participatory Approaches To Variety Development and Delivery, CIMMYT and ADB, CMS, Beijing, China.

Labios, R.V. (2005 Je 1-2). Conservation Tillage Systems In Corn Production Grown in Paddy Fields, BSWM, Quezon City, Philippines (Sponsored by ESAFS and Department of Agriculture), 7th East and Southeast Asia Federation of Soil Science (ESAFS) International Conference and Philippine Society of Soil Science and Technology (PSST) Scientific Conference.

Publications

- 2012 Mackill, D.J., Ismail, A.M., Singh, U.S., Labios, R.V., Paris, T.R. 6 Development and Rapid Adoption of Submergence-Tolerant (Sub1) Rice Varieties. *Advances in Agronomy*, 2012 Ja 1:299.
- 2011 Labios,R.V Increasing Rice Productivity in Flash Flood-Prone Areas Vulnerable to Effects of Climate Change. *Abstracts of Papers/Transactions of the National Academy of Science and Technology*, 2011 JL 13-14, 33(1).
- 2011 DO Manzanilla, TR Paris, GV Vergara, AM Ismail, S Pandey, RV Labios, GT Tatlonghari, RD Acda, TTN Chi, K Duoangsil, I Siliphouthone, MOA Manikmas, DJ Mackill Submergence risks and farmers' preferences: implications for breeding Sub1 rice in Southeast Asia Volume 104 Issue 4 Pages. *Agricultural Systems*, 2011 Ap 30, 104(4):335-347.
- 2011 DO Manzanilla, D.O, TR Paris, tt.R.,GV Vergara, AM Ismail, S Pandey, RV Labios, Submergence risks and farmers' preferences: implications for breeding Sub1 rice in Southeast Asia. *Agricultural Systems* 2011, 2011, 104(4):335-347.
- 2010 Lang, N T., Luy, T.T., Labios, R.V. et al. Evaluation Methodology and Utilization Submergence Gene in Southern of Vietnam. *Omonrice*, 2010, 17:41-53.
- 2009 NV Desamero, JC Bagarra, NL Manigbas, AT Angeles, MD Malabayabas, RV Labios, A Ismail, DJ Mackeel Agronomic response of submergence tolerant rice under normal

- condition and controlled submergenc. *Philippine Journal of Crop Science*, 2009 My, 34.
- 2009 DO Manzanilla, RD Acda, JM Mariano, KB Loresca, MLE Velasco Reducing production losses through participatory varietal selection in submergence-prone rice areas in the Philippines. *Philippine Journal of Crop Science*, 2009.
- 2008 AM Ocampo, RV Labios, JD Labios, CM Medina, JC Descalsota, CR Lapoot, SC Tumamang, HC Gines, JM Pasuquin, C Wilt Site-specific nutrient management for maize in favorable environments of the Philippines. *Philippine Journal of Crop Science*, 2008 My.
- 2005 Labios, R.V. Conservation tillage systems and farmer's practice in corn production in the Philippines. *Philippine Journal of Crop Science*, 2005, 29(1):11-20.
- 1996 Noordwijk, M., Hairiah, V., Partoharjono, B.S., Labios, R.V., Garrity, D.P. Food-crop-based production systems as sustainable alternatives for Imperata grasslands 6 (1-3), 46 1996. *Agroforestry Systems*, 1996, 6(1-3):55-82.
- 1995 Labios, R.V., Montesur, J.G., Retales, R.O., Casimero, M.C., Corales, R.G., Alley cropping in sloping upland rice areas of Cavite, the Philippines. *Proceedings of Fragile Lives in Fragile Ecosystem*, 1995:451-457.
- Labios, R.V. On-farm verification of IPM technologies developed for Asian corn borer against the corn earworm, *Helicoverpa armigera*(Hubner)in San Jose, Occidental, Mindoro. *Philippine Journal of Science*, , 134(1):57-62.

Name Matilde V. Maunahan
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Gender Female
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Home Address 114 Tapia Subd., Tanauan City, Batangas 4232
Education
Ph.D. Development Communication, University of the Philippines at Los Baños (UPLB), College, Laguna 2001

Fields of Specialization

Agriculture & Forestry
Development communication
Agricultural economics

Association Membership

Member, National Research Council of the Philippines (NRCP)

Honors / Awards

1st place, Best Paper Award (technical upstream category), 18th National Fruit Symposium, Bohol Island State University, Tagbilaran City, Bohol 2010 O 28
3rd place, PCARRD Professional Media Award (Broadcast category), DZLB Tinig ng Agrikultura sa Barangay Program Team 2010 N 10

Trainings

18th National Fruit Symposium, Bohol Island State University, Tagbilaran City, Bohol 2010 O 28

Researches**Completed**

Component 1 – Analysis of the Constraints to Selected Tropical Fruit (Papaya) Supply Chains and Implementation of Improved Quality Systems for the Southern Philippines and Australia

Ongoing

Introduction and Adoption of Postharvest Technologies on Lakatan and Latundan Bananas

Determination of the Perishability of Selected Vegetables

Postharvest Studies of Mungbean Sprouts (*Vigna radiate* L.)

Papers Presented

Hilario, D.C.R., Esguerra, E.B., Maunahan, M.V. (2010 O 28). Regulation of Ripening in 'Saba' Banana With Ethephon and 1-methylcyclopropene", 18th National Fruit Symposium, Bohol Island State University, Tagbilaran City, Bohol.

Maunahan, M.V., Esguerra, E.B., Absulio, W.L., del Carmen, D.R., Masilungan, G.D. (2010 O 27). Postharvest Handling and Marketing of 'Solo' Papaya in Tupi, South

Cotabato, 18th National Fruit Symposium, Bohol Island State University, Tagbilaran City, Bohol.

Publications

- 2010 Maunahan, M.V., Bautista, O.K. Singkamas: Production, Postharvest Handling and Marketing. Proceedings of a Consultation-Forum in Region III. PHTRC, CA, UP Los Banos, 2010:38 p..
- 2010 del Rosario, E.E., Lalusin, A.G., Lanosia, L.B. Jr., Beltran, M.M., Maunahan, M.V. (Nagsalin sa Filipino) Produksiyon ng Kamoteng Kahoy. Information Bulletin No. 298/2010, PCARRD-IPB, CSC, CA, UPLB, 2010, 298.
- 2010 Lalusin, A.G., del Rosario, E.E., Lanosia, L.B. Jr., Beltran, M.M., Maunahan, M.V. (Nagsalin sa Filipino) Produksiyon ng Kamote. Information Bulletin No. 299/2010, PCARRD-IPB, CSC, CA, UPLB, 2010, 299.
- 2010 Rasco, A.O., Lanosia, L.B. Jr., Beltran, M.M., Reyes, M.E.C., Maunahan, M.V. (Nagsalin sa Filipino) Produksiyon ng Binhi ng Ampalaya. Information Bulletin No. 300/2010, PCARRD-IPB, CSC, CA, UPLB, 2010, 300.
- 2010 Rasco, A.O., Lanosia, L.B., Jr., Beltran, M.M., Reyes, M.E.C., Maunahan, M.V. (Nagsalin sa Filipino) Produksiyon ng Binhi ng Upo. Information Bulletin No. 301/2010, PCARRD-IPB, CSC, CA, UPLB, 2010.
- 2010 Rasco, A.O., Lanosia, L.B. Jr., Beltran, M.M., MLD Guevarra, M.L.D., Maunahan, M.V. (Nagsalin sa Filipino) Produksiyon ng Binhi ng Kalabasa. mm (Information Bulletin No. 302/2010, PCARRD-IPB, CSC, CA, UPLB, 2010, 302.
- 2010 Rasco, A.O., Lanosia, L.B., Jr., Beltran, M.M., Narciso, J.O., Maunahan, M.V., (Nagsalin sa Filipino) Produksiyon ng Binhi ng Pipino. Information Bulletin, PCARRD-IPB, CSC, CA, UPLB, 2010, 308.
- 2010 Rasco, A.O., Lanosia, L.B., Jr., Beltran, M.M., Reyes, M.E.C., Maunahan, M.V. (Nagsalin sa Filipino) Produksiyon ng Binhi ng Okrahan. Information Bulletin No. 309/2010, PCARRD-IPB, CSC, CA, UPLB, 2010.

Name Rosario Monsalud
Place of Birth Davao City
Date of Birth February 23, 1958
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Civil Status Widowed
Home Address # 28 San Luis Ave., Jubileeville, Masaya, Bay, Laguna

Organizational Affiliations

Head Culture Collection Curator, BIOTECH, UPLB, Region IVA - Calabarzon, Philippines
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ACM-HRD Task Force Chair, Philippine National Collection of Microorganism Philippine National Collection of Microorganism, Dr. Rosario G. Monsalud BIOTECH, U.P. Los Baños, College, Laguna 4031, Philippines Email: Telefax:

Education

Ph.D. in Microbiology, UPLB, College, Laguna 1999

Fields of Specialization

Microbiology
Biological Sciences

Association Membership

Member, National Research Council of the Philippines (NRCP)
Member, Philippine Society for Microbiology

Trainings

12th International Culture Collection Congress (ICCC-12), Florianopolis, Santa Catarina, Brazil 2010 S 26-O 1
International Symposium for the Conservation and Sustainable Use of Asian Microbial Resources, Tokyo, Japan 2010 O 13-15
10th Zonal R &D Review, Ateneo de Manila University 2006 N 9 -10
5th Asia Pacific Biotechnology Congress and 35th Annual Convention of Phil. Soc. for Microbiology, Bohol Tropics, Tagbilaran City, Bohol 2006 My 10-13

Researches**Ongoing**

Long-term preservation and taxonomic studies on promising cultures held at the PNCM
Isolation, characterization and identification of mangrove microorganisms with enzyme and antimicrobial properties
Evaluation of the general microflora, beneficial microorganisms and nematodes from various farming systems and soil types
Biofertilizer technologies for sustainable crop production

Papers Presented

Monsalud, R.G. (2010 S 26-O 1). Microbial Conservation Efforts of the Philippine Network of Microbial Culture Collections (PNMCC), 12th International Culture Collection Congress (ICCC-12), Florianopolis, Santa Catarina, Brazil.

Tabao, N.S.C., Monsalud, R.G. (2010 S 26-O 1). Cellulase-Producing Bacteria Isolated from Philippine Mangroves, 12th International Culture Collection Congress.

Monsalud, R.G. et al. (2010 O 13-15). Anti-MRSA, -ESBL, -Vibrios and *C. albicans* identified from mangrove microorganisms in the Philippines, International Symposium for the Conservation and Sustainable Use of Asian Microbial Resources, Tokyo, Japan.

Monsalud, R.G. (2010 N 13). Establishment of a Modest Culture Collection. 2010 at the Dela Salle University, Manila., Plenary paper presented at the 10th Annual Symposium and Scientific Meeting.

Camus, E.E., Creencia, A.R., Tan Gana, N.H., Papa, I.A., Zulaybar, T.O., Monsalud, R.G. (2008 My 7-9). Isolation and Characterization of Amylase-Producing Mold Isolates from Mindoro, Cebu and Camarines Sur Mangroves, Boracay Regency Beach Resort and Convention Center, Boracay Island, Aklan.

Camus, E.E., Papa, I.A., Clavillas J.DLS., Creencia, A.R., Tan Gana, N.H., Zulaybar, T.O., Monsalud, R.G. (2008 Ap 16). Characterization and Identification of Selected Mangrove Fungal Isolates With Cellulolytic Activity, Benguet State University, La Trinidad Benguet.

Monsalud, R.G., Papa, I.A., Zulaybar, T.O., Clavillas, J.DLS., Creencia, A.R., Tan Gana, N.H. (2007 O 6-10). Microbial Diversity of Mindoro (Philippines) Mangroves: Enzyme and Antimicrobial Activities of the Isolates, Goslar, Germany.

Monsalud, R.G. et al. (2007 O 22-24). Isolation and characterization of lactic acid bacteria (LAB) from indigenous food and drinks, Yakult Main Office, Ermita, Manila.

Monsalud, R.G. et al. (2006 N9--10). Isolation, preservation and identification of microorganisms with antimicrobial potential from Philippine mangrove, 10th Zonal R & D Review, Ateneo de Manila University.

Monsalud, R.G. et al (2006 My10-13). Isolation and identification of amylase-producing bacteria from selected Philippine mangrove, 5th Asia Pacific Biotechnology Congress and 35th Annual Convention of Phil. Soc. for Microbiology, Inc., Bohol Tropics, Tagbilaran City, Bohol.

Monsalud, R.G. et al. (2006 My 10-13). Bacteria with antibacterial potential from Mindoro Mangroves, Bohol Tropics, Tagbilaran City, Bohol.

Monsalud, R.G. et al. (2005 My 12-13). Screening and identification of microbial isolates from the Philippine National Collection of Microorganisms (PNCM) suitable for composting of agricultural wastes, Waterfront Insular Hotel, Davao City.

Monsalud, R.G., Papa, I.A., Zulaybar, T.O., Bool, M.L., Creencia, A.R. (2004 O 10-15). Exploring the Microbial Populations in Philippine Mangroves: Isolation, Characterization and Identification of Degradative Enzyme-Producing Strains., Tsukuba, Japan.

Monsalud, R.G. et al. (2004 Ap). Exploring fungal populations in Philippine Mangroves: Isolation, characterization and identification of degradative enzyme producing strains, Plant Pathology Auditorium, IBS, UPLB.

Publications

- 2010 Bautista, V.V., Monsalud, R.G., Yokota, A. *Devosia yakushimensis* sp. nov., isolated from root nodules of *Pueraria lobata* (Willd.) Ohwi Journal: International Journal of Systematic and Evolutionary Microbiology - INT J SYST EVOL MICROBIOL, 2010, 60(3):627-632.
- 2010 Monsalud, R. Screening and optimization of cellulase production of *Bacillus* strains isolated from Philippine Mangroves. Philippine Journal of Systematic Biology, 2010, 4.
- 2010 Shawn, N., Tabao, C., Monsalud, R.G. Characterization and identification of high cellulase-producing Bacterial Strains from Philippine Mangroves. Philippine Journal of Systematic Biology, 2010, 4.
- 2010 Bautista, V.V., Monsalud, R.G., Yokota, A. *Devosia yakushimensis* sp. nov., isolated from root nodules of *Pueraria lobata* (Willd.) Ohwi. Int. J. Syst. Evol. Microbiol, 2010, 60:627-632.
- 2010 Tabao, N.S.C, Monsalud, R.G. Characterization and Identification of High Cellulase-Producing Bacterial Strains from Philippine Mangroves. Philippine Journal Systematic Biology, 2010, 4:13-20.
- 2010 Tabao, N.S.C., Monsalud, R.G. Screening and Optimization of Cellulase Production of *Bacillus* Strains Isolated from Philippine Mangroves. Philippine Journal of Systematic Biology, 2010, 4:79-87..
- 2006 Monsalud, R.G. et al. Isolation and identification of amylase-producing bacteria from selected Philippine mangrove. Proceedings of the 5th Asia-Pacific Biotechnology Congress and 35th Annual Convention of the Philippine Society for Microbiology, Inc. Bohol Tropics, Tagbilaran City, Bohol, 2006 My 10-13:372-377.
- 2006 Monsalud, R.G. et al. Bacteria with antimicrobial potential from Mindoro Mangroves. Proceedings of the 5th Asia- Pacific Biotechnology Congress and 35th Annual Convention of the Philippine Society for Microbiology, Inc., Bohol Tropics, Tagbilaran City, Bohol, 2006 My 10-13:365-371.
- 2006 Castroverde, C.D.M., San Luis, B.B., Monsalud, R.G., Hedreyda, C.T. Differential detection of vibrios pathogenic to shrimp by multiplex PCR. Journal of General and Applied Microbiology, 2006, 52(5):273-280.
- 2003 Monsalud, R.G., Magbanua, F.O., Lourdes M. Tapay, L.M., Hedreyda, C.T., Minerva, S. D., Olympia, Migo, V.P., Midori Kurahashi, M., Yokota, A. Identification of pathogenic and non-pathogenic *Vibrio* strains from shrimp and shrimp farms in the Philippines. Journal of General and Applied Microbiology, 2003, 49(5):309-314.

Name Fidelina B. Natividad - Carlos
Place of Birth Jaen, Nueva Ecija
Date of Birth April 24, 1958
Gender Female
Civil Status Married
Home Address PhiA B 51 L26 Karangalan Drive Karangalan Village, Cainta Rizal
1900 Philippines

Organizational Affiliations

Associate Professor, University of the Philippines, Manila

Vice-Chairman and Director for Undergraduate Studies, Department of Economics and School of Economics U.P, Manila

Education

Ph.D. in Economics, University of Oregon, USA 1986

M.A. Economics, University of Oregon, USA 1985

B.S. Economics, Lyceum of the Philippines, Manila 1977

Fields of Specialization

Economic Theory

Monetary Economics

International Economics

Econometrics

Economics

Employment

Assistant Professor, School of Economics, U.P, 1987-1994-

International Economics Program Coordinator, School of Economics, U.P, 1990-1991-

Honors / Awards

President's Award for Outstanding Publications, University of the Philippines 1993

Graduate Teaching Fellow, University of Oregon and Fulbright Scholar 1986

Teaching Fellow, University of the Philippines 1981

Economics Fellow, University of the Philippines 1979

Magna Cum Laude, Lyceum of the Philippines 1977

Outstanding Young Scientist Award (Economics), NAST-DOST 1995

Trainings

Restructuring the Developing Economies of Asia and the Pacific Region in the 1990s, ESCAP, Bangkok, Thailand 1989 Ja 11-13

5th National Convention on Statistics, PICC 1989 D 4-6

ASEAN China Hongkong Forum 1988, Lingnan College, Hongkong 1988 Je 22-24

The International Monetary System, Foreign Service Officer Review Course, Foreign Service Institute 1988

Researches

Completed

Currency substitution in money demand

Exchange rate assesment: a review of concepts and indicators

Model of exchange rate and aggregate demand dynamics with policy reaction

The effects of devaluation: a review of theory

A general equilibrium model of exchange market intervention with variable sterilization

Papers Presented

Natividad-Carlos, F.B. (2013). An Exercise on Discrete-Time Intertemporal Optimization, UP School of Economics Discussion Papers 201306, University of the Philippines School of Economics..

Publications

- 2013 Natividad-Carlos, F.B. Time Inconsistencyâ€™™: The Phillips Curve Example (An Analysis for Intermediate Macroeconomics). UP School of Economics Discussion Papers 201307, University of the Philippines School of Economics, 2013.
- 2013 Natividad-Carlos, F.B. An Exercise on Discrete-Time Intertemporal Optimization. UP School of Economics Discussion Papers 201306, University of the Philippines School of Economics, 2013.
- 1996 Ching, P.S., Natividad Carlos,F. The Choice of Adult Health Care Provider and Access Across Income Groups: The Philippine Case. UP School of Economics Discussion Papers 199605, University of the Philippines School of Economics, 1996.
- 1996 Natividad Carlos, F. On Sluggish Output and Exchange Rate Dynamics Once Again. UP School of Economics Discussion Papers 199606, University of the Philippines School of Economic, 1996.
- 1994 Natividad-Carlos, F.B. Monetary policy, fiscal policy and intervention in a model of exchange-rate and aggregate demands dynamics. Journal of Macroeconomics, 1994, 16(3):523-537.
- 1992 Natividad-Carlos, F.B. Exchange-rate dynamics under alternative intervention rules. Philippine Review of Economics and Business, 1992, 29(1-2):133-145.
- 1990 Natividad-Carlos, F.B., Stone, J.A. A general equilibrium model of exchange-market intervention with variable sterilization. Journal of International Economics, 1990, 29(1-2):133-145.
- 1989 Natividad-Carlos, F.B. The concept and estimation of direct indirect and total currency substitution in money demand. Philippine Review of Economics and Business, 1989:287-301.
- 1987 Stone, J. A., Natividad-Carlos, F. B. A general equilibrium model of exchange market intervention with variable sterilization. UPSE DP 1987-03, 1987.

Name Jurgenne Primavera

Place of Birth Agusan del Norte

Gender Female

Civil Status Married

Organizational Affiliations

Scientist Emerita, Southeast Asian Fisheries Development Center,, Tigbauan, Iloilo, Philippines

Scientist, Aquaculture Dept., Southeast Asian Fisheries Development Center, Tigbauan, Iloilo, Philippines

Education

Ph.D. in Marine Biology, University of the Philippines, Diliman, Quezon City 1990

B.S. Zoology (Cum laude), University of the Philippines, Diliman, Quezon City 1966

M.S. in Zoology, Indiana University, USA

, Free University of Brussels,

Fields of Specialization

Mangrove conservation

Plants and Animal Science

Ecology

shrimp biology and culture

fisheries and shrimp biology and culture

mangrove conservation/advocacy

mangrove-friendly aquaculture,

mangrove crab culture and fisheries and shrimp biology and culture

Association Membership

Member, American Association for the Advancement of Science Asian Fisheries Society
Member World Aq

Corresponding Member, Natural and Medical Sciences Section, Royal Belgian Academy for Overseas Sciences

Member, Phi Sigma Society of the Biological Sciences, Alpha Chi Chapter

Member, Pi Gamma Mu International Social Science Honor Society, Philippines Alpha Chapter

Member, Phi Kappa Phi International Honor Society

Foreign Member, General Section, Swedish Royal Academy on Agriculture and Forestry

Member, Asian Fisheries Society

Honors / Awards

Awardee, Rajah Siagu Award (Most Outstanding Citizen in the Field of Science and

Technology),, National Commission on the Role of Filipino Women, Butuan City Chapter 1979

2nd Dr. Elvira O. Tan Memorial Award for Best Published Paper in Aquaculture/Inland Fisheries, Philippine Council for Aquatic and Marine Research and Development 1988 JI 12

8th Dr. Elvira O. Tan Memorial Award for Best Published Paper in Aquaculture,, Philippine Council for Aquatic and Marine Research and Development, 1994 JI 20

Gawad Senternaryo: Kababaihang Makasaysayan, National Centennial Commission Women Sector, Century Park Hotel, Manila 1999 Je 4

14th Dr. Elvira O. Tan Memorial Award for Best Published Paper in Aquaculture, Philippine Council for Aquatic and Marine Research and Development 2000 JI 21

18th Dr. Elvira O. Tan Memorial Award for Best Published Paper in Aquaculture, Philippine Council for Aquatic and Marine Research and Development, Legaspi City 2004 JI 25

Doctorate of Philosophy honoris causa, Faculty of Science, Stockholm University, Stockholm City Hall 2004 S 24

Fellow, Pew Fellows Program in Marine Conservation, Pew Institute for Ocean Science, University of Miami Rosenstiel School, Florida, U.S.A 2005 F 7

One of the World's Top Five Pew Fellows in Marine Conservation for the Year 2005, 13th Congress, Republic of the Philippines 2009 Mr 9

Plaque of Recognition, Province of Iloilo, Semana sang Iloilo 2005 Ap 15

Five Outstanding Butuanons, BalikButuan 2005, Butuan City 2005 My 21

Outstanding Book Award, 27th Annual Scientific Meeting, National Academy of Science and Technology, Manila Hotel, Manila 2005 JI 13-14

Finalist, Outstanding Filipino Women in Fisheries and Aquatic Resources Research, PCAMRD 2005 JI

8th Quadrennial General Assembly Award (Plaque of Great Distinction,

Scientist Emerita, SEAFDEC/AQD, Tigbauan, Iloilo, Philippines 2007 F 22

Heroes of the Environment, Time Magazine 2008

Trainings

Capacity of Mangroves to Produce Shrimp Pond Effluents, The Regional Seminar-Workshop on Mangrove-Friendly Shrimp Aquaculture, SEAFDEC, Bangkok, Thailand 2003 Je 24-27

The Regional Seminar-Workshop on Mangrove-Friendly Shrimp Aquaculture, SEAFDEC, Bangkok, Thailand 2003 Je 24-27

Workshop on Mangrove-Friendly Aquaculture, SEAFDEC Aquaculture Department, Iloilo, Philippines 1999 Ja 11-15

Researches

Titles of researches (On-going and completed)

Papers Presented

Primavera, J.H., Reyes, A.A., Jr., Lavilla-Torres, C.R., Altamirano, J.P. (2003 Je 24-27).

Capacity of mangroves to process shrimp pond effluents, The Regional Seminar-Workshop on Mangrove-Friendly Shrimp Aquaculture, SEAFDEC, Bangkok, Thailand.

Primavera, J.H., Garcia, L.M.B., Castaños, M.T., Surtida, M.B (1999 Ja 11-15). Mangrove-Friendly Aquaculture, Workshop on Mangrove-Friendly Aquaculture, SEAFDEC Aquaculture Department, Iloilo, Philippines.

Publications

- 2010 Polidoro, B.A., Primavera, J.H. et al. The loss of species: Mangrove extinction risk and geographic areas of global concern. *PLOS One*, 2010, 5(4).
- 2010 Altamirano, J.P., Primavera, J.H. et al. Practical techniques for mapping small patches of mangrove. *Wetlands Ecology and Management*, 2010, 18(6):707-715.
- 2010 Primavera J.H., Binas, J.B., Samonte-Tan, G.P.B., Lebata, M.J.J., Alava, V.R., Walton, M., Le Vay, L. Mud crab pen culture: replacement of fish feed requirement and impacts on mangrove community structure See more at: <http://www.seafdec.org.ph/2011/trimming-chelipeds-reduces-cannibalism-in-mud-crab/#sthash.TTSn2Ae5.dpuf>. *Aquaculture Research*, 2010, 41:1211-1220.
- 2009 Qunitio, E.T., Lebata J.H.L., Le Vay, L., Walton, M.E., Binas, J.B., Rodriguez, E.M., Primavera J.H. Evaluation of hatchery-base enhancement of the mud crab *Scylla* spp., fisheries in mangroves: comparison of species and release strategies. *Marine and Freshwater Research*, 2009, 60:58-69.
- 2009 Koch, E.W., Primavera, J.H. et al. Non-linearity in ecosystem services: temporal and spacial variability in coastal rotection. *Frontiers in Ecology and the Environment*, 2009, 7(1).
- 2007 Primavera, J.H., Altamirano, J.P., Lebata, M.J.H.L., Delos Reyes, A.A. Jr., Pitogo, C.L. Mangroves and Shrimp pond culture effluents in Aklan, Panay Island, Central Philippines. *Bulletin of Marine Science*, 2007, 80(3):795-804.
- 2004 Primavera, J.H., Sadaba, R.B., Lebata, M.J.H.L., Altamirano, J.P. Handbook of Mangroves in the Philippines – Panay. SEAFDEC Aquaculture Department (Philippines) and UNESCO Man and the Biosphere ASPACO Project, 2004:106 pp..
- 2001 Naylor, R., Goldberg, R., Troell, M., Beveridge, J., Clay, C., Folke, N., Kautsky, J., Lubchenco, H., Mooney, H., Primavera, J. Is aquaculture a net loss?. *Conservation Biology in Practice*, 2001 N, 2(4):24-25.
- 2001 Kautsky, N., Folke, C., Ronnback, P., Troell, M. Beveridge, M., Primavera, J. Aquaculture and biodiversity,. In: S. Levin (ed) *Encyclopedia of Biodiversity*, Academic Press, San Diego, Calif., USA, 2001, 1:pp. 185-198..
- 2001 Lebata, J.H.L., Primavera, J.H. Gill structure, anatomy and habitat of *Anodontia edentula*: evidence of symbiosis. , 2001.
- 2001 Primavera, J.H. Community-based rehabilitation of mangroves. A Resource Book. International Institute of Rural Reconstruction, International Development Research Centre, Food and Agriculture Organization of the United Nations, Network of Aquaculture Centers in Asia-Pacific and International Center for Living Aquati, 2001:333-339.
- 2001 Williams, M.J., Primavera J.H. Choosing tropical portunid species for culture, domestication and stock enhancement in the. Indo-Pacific. *Asian Fish. Sci.*, 2001:121-142.
- 2001 Xu, Z.K., Primavera, J.H., dela Pena, L.D., Pettit, P., Belak, J., Alcivar-Warren,

- A., Genetic diversity of wild and cultured Black tiger Shrimp (*Penaeus monodon*) in the Philippines using microsatellites. *Aquaculture*, 2001.
- 2000 Primavera, J.H., Quinitio, E.Y. Runt deformity syndrome in wild and cultured giant tiger prawn *Penaeus monodon*. *J. Crust. Biol.*, 2000, 20(4):796-802.
- 2000 Primavera, J.H., de la Pena, L. The yellow mangrove: its ethnobotany, history of maritime collection, and needed rehabilitation. Central and Southern Philippines, Philippine Q. Culture Society, 2000:464-475.
- 2000 Primavera, J.H., Garcia, L.M.B., Castaños, M.T., Surtida, M.B. Mangrove-Friendly Aquaculture. Proceedings of Workshop on Mangrove-Friendly Aquaculture, Iloilo City, 11-15 Jan. 1999. SEAFDEC Aquaculture Department, Iloilo, Philippines, 2000.
- 2000 Primavera, J.H. Development and conservation of Philippine mangroves: Institutional issues. *Ecol. Econ.*, 2000:91-106.
- 2000 Ronnback, P., Primavera J.H. Use of environmental functions to communicate the roles of a mangrove ecosystem under different management systems. A critique. *Ecol. Econ.*, 2000:135-141.
- 1999 Ronnback, P., Troell M., Kautsky N., Primavera, J.H. Distribution pattern of shrimp and fish among *Avicennia* and *Rhizophora* microhabitats in the Pagbilao mangroves, Philippines. *Estuar. Coast. Shelf Sci.*, 1999, 48(2):223-234.
- 1998 Primavera, J.H., Parado-Esteva F.P., Lebata J.L. Morphometric relationships of length and weight of the giant tiger prawn *Penaeus monodon* according to life stage, sex and source. *Aquaculture*, 1998:67-75.
- 1993 Gomes, L.A.O., Primavera J.H. Reproductive quality of male *Penaeus monodon*. *Aquaculture*, 1993, 112:157-164.
- 1992 Primavera, J.H. Prawn/shrimp culture industry in the Philippines. In: Fast, A.W. and L.J. Lester (eds) *Marine Shrimp Culture: Principles and Practices*, Chap. 34. Elsevier, Amsterdam, Netherlands, 1992:701-728.
- 1992 Primavera, J.H., Caballero R.V., Effect of streamer tags on survival and growth of juvenile tiger prawns, *Penaeus monodon*, under laboratory conditions. *Aust. J. Mar. Freshwat. Res.*, 1992, 43:737-743.
- 1992 Primavera, J.H., Caballero R.V., Light quality and ovarian maturation in unablated and ablated giant tiger prawn *Penaeus monodon* (Fabricius). *Aquaculture*, 1992, 108:247-256.
- 1989 Primavera, J.H., Caballero, R.V., Effect of tagging on maturation and survival of ablated *Penaeus monodon* in painted and unpainted tanks. *Philippine Scientist*, 1989, 26:5-20.
- 1989 Primavera, J.H., Caballero R.V. Effect of tagging on maturation and survival of ablated *Penaeus monodon* in painted and unpainted tanks. *Philippine Scientist*, 1989, 26:5-20.
- 1989 Primavera, J.H., Gacutan R.Q. Preliminary results of feeding aquatic macrophytes to *Penaeus monodon* juveniles. *Aquaculture*, 1989, 80:189-193.
- 1987 Makinouchi, S., Primavera J.H. Maturation and spawning of *Penaeus indicus* using different ablation methods. *Aquaculture*, 1987, 62:73-81.
- 1986 Trujillo, L.R., Primavera, J.H. Induced maturation in ablated *Penaeus notialis* and *Penaeus schmitti*. In: J.L. Maclean, L.B. Dizon and L.V. Hosillos (eds). *Proc. First Asian Fisheries Forum*. Asian Fisheries Society, Manila, Philippines, 1986:697-700.

- 1983 Apud, F.D., Primavera J.H., Torres P.L. Jr. Farming of prawns and shrimps. Extension Manual No.5 (revised). SEAFDEC Aquaculture Department, Iloilo, Philippines, 1983.
- 1981 Eldani, A., Primavera J.H. Effect of different polyculture stocking combinations on growth, survival and production of milkfish (*Chanos chanos* Forskal) and prawn (*Penaeus monodon* Fabricius) in brackishwater ponds. *Aquaculture*, 1981, 23:59-72.

Name Rachel June Ravago-Gotanco
Date of Birth Feb.19, 1974
Gender Female
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Organizational Affiliations

Scientist, University of the Philippines, Marine Science Institute, Diliman, Quezon City

Education

MS in Molecular Biology and Biotechnology, University of the Philippines, Diliman, Quezon City 2001

BS. Molecular Biology and Biotechnology (cum laude), University of the Philippines, Diliman, Quezon City 1995

PhD. in Marine Science, University of the Philippines, Diliman, Quezon City

Fields of Specialization

Plant and Animal Science

Ecology

Research on Rabbitfish

Employment

University Research Associate, University of the Philippines, Diliman, Quezon City, 1999-2005-

Technical Consultant, World Wildlife Fund, Assess. of Population genetic variability of *Portunus pelagicus* in the Visayan, 2002-2003-

Association Membership

Member, Philippine Association of Marine Scientists

Member, Phi Sigma Biological Honor Society, University of the Philippines Chapter

Honors / Awards

Ph.D. Scholarship. GEF-Coral Reef Targeted Research and Capability Building Program, Center of Excellence for Southeast Asia 2005

Research Grant. Project No A/4012-1. Title: Genetic diversity and distribution of *Panulirus longipes*, International Foundation for Science (IFS). 2006

Research Grant: Project No. 040408 PNSE. Title: Species identification and distribution of cryptic m, Office of the Vice Chancellor for Research and Development, University of the Philippines, Diliman. 2004

Gawad Chancellor, Outstanding Research, Extension, and Professional Staff (REPS): Research Category, University of the Philippines, Diliman. 2004

Scholarship and Travel Grant, for training: Workshop on Molecular Evolution, Woods Hole, Massachusetts, Society for Systematic Biologists 2003

Development Cooperation Prize 2002, Directorate General for Development Cooperation,

Belgium/ Awarded in recognition of scientific work 2002

Dean's Medal: Outstanding Graduate Student (M.S.), College of Science, University of the Philippines, Diliman 2002 Ap

International Publication Awards, UP Marine Science Institute, UP Diliman 2002, 2003, 2004

Thesis Grant (for MS Thesis), Commission on Higher Education (CHED) and UP Marine Science Institute 2001

Outstanding Research Paper Award (Unpublished Category)., 12th National Research Symposium, Bureau of Agricultural Research 2000

Outstanding Student Paper Award. 3rd Asia Pacific Marine Biotechnology Conference. 28 November to 1, Asia Pacific Marine Biotechnology Society 1999

Outstanding Young Scientist, NAST 2010

Trainings

Workshop entitled Inferring Population Connectivity: Tools and Approaches, Bolinao, Pangasinan, Philippines 2009 Ap

11th International Coral Reef Symposium., Fort Lauderdale, Florida, USA 2008 Je

9th National Symposium in Marine SCience, Iloilo, Philippines 2007 O 23-25

GEF Future Leaders Forum, Brisbane, Australia 2007 D

8th National Symposium in Marine SCience, Puerto Princesa, Palawan 2005 O 20-22

7th National Symposium in Marine SCienc, Cagayan de Oro, Philippines 2003 O 22-25

9th International Coral Reef Symposium, Bali, Indonesia 2000 O 23-27

4th International Conference on the Marine Biology of the South China Sea, University of the Philippines, Diliman, Quezon Cuty 1999 O 20-22

5th National Symposium in Marine Science, Manila, Philippines 1999 O

Symposium on Marine Biodiversity in the Visayas and Mindanao, UPV, Iloilo City 1999

13th Philippine Chemistry Congress, Puerto Prinsesa, Palawan 1997 My 29-31

Researches

Completed

Isolation and characterization of microsatellite markers\for the rabbitfish, *Siganus fuscescens*

Multiplex PCR and RFIP approaches for identification of *Siganus* species. (manuscript in prep)

Phylogeography and demographic history of *Siganus fuscescens* populations in the Philippine archipelago; (manuscript in prep)

Genetic connectivity of *Siganus fuscescens* populations along the Western Luzon Coast

Papers Presented

Magsino, R.M., R.G. Ravago, R.G., Juinio Meñez, M.A. (2000 O). Genetic relationship of the color morphs of the coral reef starfish *Linckia laevigata* in the Kalayaan Islands Group (KIG), Western Philippines, 9th International Coral Reef Symposium, Bali, Indonesia.

Labios, Romeo V.

Agriculture and Forestry
Conservation Farming
Crop Science
Farming System
Research Management

Maunahan, Matilde V.

Agricultural economics
Agriculture & Forestry
Development communication

Monsalud, Rosario

Biological Sciences
Microbiology

Natividad - Carlos, Fidelina B.

Econometrics
Economic Theory
Economics
International Economics
Monetary Economics

Primavera, Jurgenne

Ecology
fisheries and shrimp biology and culture
Mangrove conservation
mangrove conservation/advocacy
mangrove crab culture and fisheries and
shrimp biology and culture
mangrove-friendly aquaculture,
Plants and Animal Science
shrimp biology and culture

Ravago-Gotanco, Rachel June

Ecology
Plant and Animal Science
Research on Rabbitfish

Raymundo, Corazon M.

Demography
Gerontology & Demography
Population Science
Population Statistics

Magsino, R.M., M.A. Juinio Meñez, M.A., Ravago, R.G. (1999 O). Development and application of molecular genetic markers for population structure analysis of the coral reef starfish *Linckia laevigata* (Linn)., 5th National Symposium in Marine Science, Manila, Philippines.

Publications

- 2010 Ravago - Gotanco, R.G., Manglicmot, M.T., Pante, M.J.R. Multiplex PCR and RFLP approaches for identification of rabbitfish (*Siganus*) species using mitochondrial gene regions. *Molecular Ecology Resources - MOL ECOL RESOUR/MOLECULAR DIAGNOSTICS AND DNA TAXONOMY*, 2010, 10(4):741-743.
- 2010 Ravago-Gotanco, R.G, Lumibao C.Y., Pante M.J.R. Isolation and characterization of thirteen microsatellite markers for the rabbitfish, *Siganus fuscescens*. *Conservation Genetics Resources*, 2010, 2:225-227.
- 2007 Ravago-Gotanco, R.G., Magsino, R.M., Juinio-Meñez, M.A. Influence of the North Equatorial Current on the population genetic structure of *Tridacna crocea* (Mollusca: Tridacnidae) along the eastern Philippine seaboard. *Marine Ecology Progress Series*, 2007, 336:161-168.
- 2004 Ravago-Gotanco, R.G., Juinio-Meñez, M.A. Population genetic structure of the milkfish, *Chanos chanos*, based on PCR-RFLP analysis of the mitochondrial control region. *Marine Biology*, 2004, 145:789-801.
- 2004 Juinio-Menez, M.A., Ravago-Gotanco, R.G. Status of spiny lobster resources in the Philippines. In: *Spiny lobster ecology and exploitation in the South China Sea region*. Williams, K.C. (editor). ACIAR Proceedings No. 120: 3-6. ACIAR, Canberra, 2004.
- 2003 Juinio-Menez, M.A., Magsino, R.M., Ravago-Gotanco, R., Yu, E.T. Genetic structure of *Linckia laevigata* and *Tridacna crocea* populations in the Palawan shelf and shoal reefs. *Marine Biology*, 2003, 142:717-726.
- 2003 Ravago-Gotanco, R., Juinio-Menez, M.A.R. Phylogenetic position of the striped-legged forms of *Panulirus longipes* (A. Milne-Edwards, 1868) (Decapoda, Palinuridae) inferred from mitochondrial DNA sequences. *Crustaceans*, 2003, 75:1047-1059.
- 2002 Ravago, R.G., Monje, V.D., Juinio-Meñez, M.A. Length and sequence variability in the mitochondrial control region of the milkfish, *Chanos chanos*. *Marine Biotechnology*, 2002, 4(1):40-50.
- 2000 Magsino, R.M., Ravago, R.G., Juinio-Meñez, M.A. Genetic relationship of *Linckia laevigata* color morphs in the Kalayaan Islands Group, Western Philippines: preliminary evidence. *Proceedings of the 9th International Coral Reef Symposium*, 2000, 1:113-120.
- 2000 Magsino, R.M., Juinio-Menez, M.A., Ravago, R.G. Development and application of genetic markers for population structure analysis of the blue coral reef starfish, *Linckia laevigata* (Echinodermata: Asteroidea). *Science Diliman*, 2000, 12:10-16.
- 1999 Yu, E.T., Ravago, M.A., Monje, V.D. Development of RAPD markers for the prawn, *Penaeus monodon*. *Proceedings of the Symposium on Marine Biodiversity in the Visayas and Mindanao*, UPV, Iloilo City, 1999.
- 1999 Ravago, R.G., David, L.S., Juinio-Menez, M.A., Monje, V.D. Allozyme electrophoresis and PCR-RFLP analysis of mtDNA of the milkfish *Chanos chanos*. In: *Proceedings of the 13th Philippine Chemistry Congress*, 29-31 May 1997, Puerto Prinsesa, Palawan, 1999:40-46.
- Ravago-Gotanco, R.G., Magsino, R.M., Juinio-Meñez, M.A. Influence of the North

Equatorial Current on the Population genetic structure of *Tridacna croceo* (Molluscs: Tridacnidae) along the eastern Philippine coast. Marine Ecology Progress Series, , 336:161-168.

Name Corazon M. Raymundo
Date of Birth August 5, 1946
Gender Female
Civil Status Married
Home Address 5 Guanio Compound, Maybunga, Pasig City

Organizational Affiliations

Professor, Population Institute, University of the Philippines, Diliman, Quezon City

Fields of Specialization

Population Science
Population Statistics
Demography
Gerontology & Demography

Association Membership

Member, National Research Council of the Philippines (NRCP)

Honors / Awards

Outstanding Young Scientist Award (Population Science), National Academy of Science and Technology 1985

Member, Board of Directors, INCLEN (Based in Philadelphia 2000

Member, Board of Trustees, Pamantasan ng Lungsod ng Pasig 2000

Trainings

5th National Social Science Congress, Philippine Social Science Center, Diliman Quezon City 2003 My 17

International Conference on Asian Youth at Risk: Social, Health and Policy Challenges, Taipei, Taiwan 2001 N 26-30

Researches**Completed**

Baseline survey, integrated community health service project

Pilot test of the health guide for school children and family

Research Component of the health guide for school children and family

Papers Presented

Raymundo, C.M., Cruz, G.T. (2003 My 17). Dangerous Connections: Substance Abuse, Sex and other Risk Behaviors among Filipino Adolescents, 5th National Social Science Congress, Philippine Social Science Center, Diliman Quezon City.

Raymundo, C.M. (2003 JI 11). Sex and Filipino Adolescents: Facts, Issues and Concerns, Celebration of the World Population Day with the theme: Sex Files: All About the Young and the Curious, Far Eastern University, Manila.

Raymundo, C.M. (2003). Philippine Population and Reproductive Health Situation, Interfaith Meeting, Pasig City.

Corazon C.M., Elma P., Laguna, E.P. (2001 N 26-30). Filipino Adolescent Sexuality, Risk Behavior and Gender, International Conference on Asian Youth at Risk: Social, Health and Policy Challenges, Taipei, Taiwan.

Raymundo, C.M., Zablan, C.Z, Cabigon, J. V., Cruz, G.T., Berja, C.L. (2001). Unsafe Abortion in the Philippines a Threat to Public Health, Quezon City: Demographic Research and Development Foundation, Inc., University of the Philippines Population Institute, UP Office of the Vice-Chancellor for Research and Development. Data analyzed here are collected from four large public hospitals in the country .

Raymundo, C.M., Xenos, P., Domingo, L.J. (1999). Adolescent Sexuality in the Philippines , UP Office of the Vice Chancellor for Research and Development, University of the Philippines Population Institute and East-West Center Population and Health Studies, Quezon City.

Raymundo, C.M., Lusterio, C. (1995 N). How Much do Filipino Youth Know about Sex/Young Adult Fertility and Sexuality Study, News Features on Survey Findings 2., News Features on Survey Findings 2,(compiled by) University of the Philippines, Population Institute, Quezon City, Philippines.

Raymundo, C.M. (1984). Young Adult Fertility in the Philippines, (U.P. Population Institute)

Publications

- 2006 Xenos, P., Achmad, S., Lin, H.S., Luis, P.K., Podhisita, C., Raymundo, C., Thapa, S. Delayed Asian Transitions to Adulthood. *Asian Population Studies*, 2006, 2(2):149-185.
- 2004 Choe, M.K., Thapa, S., Podhisita, C., Raymundo, C., Lin, H-S., Achmad, S. The teen tobacco epidemic in Asia: Indonesia, Nepal, Philippines, Taiwan, and Thailand. *Journal of Youth Studies - J YOUTH STUD*, 2004, 7(1):73-87.
- 2004 Raymundo, C.M., Cruz G.T.(Editors) Youth sex and risk behaviors in the Philippines. Quezon City: Demographic Research and Development Foundation, Inc. and University of the Philippines Population Institute ISBN 971-9012-03-x, 2004.
- 2001 Raymundo, C.M., Zablan, Z.C., Cabigon, J.V., Cruz, G.T. Unsafe abortion in the Philipines: A threat to public health. Quezon City: Demographic Research and Development Foundation, Inc., UP Population Institute (ISBN 971-9012-01-3), 2001.
- 1999 Raymundo, C.M. Adolescent sexuality in the Philippines. UP Office for Research and Development, 1999.
- Raymundo, C.M., Laguna, E.P., Casasola, E.R.F., Sibal, J.S. Maternal health and health care utilization and health-seeking behaviors. UPPI-DRDF PUBLICATIONS, .

Name Judilynn N. Solidum

Gender Female

Civil Status Single

Organizational Affiliations

Associate Professor IV, College of Pharmacy, University of the Philippines, Manila, Taft Avenue corner Pedro Gil Street, Ermita, Manila

Education

PhD Environmental Science, UPLB, Loia Banos, College, Laguna

Fields of Specialization

Pharmaceutical Sciences

Environmental Science

Chemical/Environmental Toxicology

Environmental Toxicology

Association Membership

Associate Member, National Research Council of the Philippines NRCP

Honors / Awards

Creative works and research grants, Ap 2010-Ap 2011

Most Outstanding Teacher, Nominee Gawad Chancellor 2010

Ma. Cruz Tancinco Professorial Chair Award, 2010

Third rank International Course on Research Ethics, WHO-FERCAP, Thammasat University, Thailand 2010 S 27-30

Trainings

International Conference on Environmental Pollution and Public Health, Wuhan, China 2011 My 12-14

International Renewable Energy and Environmental Conference, Kuala Lumpur Malaysia 2011 Je 24-26

REDTI National Scientific Conference, Davao City 2011 F

1st International Chemical and Environmental Engineering Conference, Kuala Lumpur, Malaysia 2010 N 26-28

Researches

Completed

Shell wastes for aerial lead monitoring

Lead Uptake of Peppermint (*Mentha piperata*) Grown on Simulated Polluted Soil

Use of *Citrus grandis* (L.) Osbeck (Fam. Rutaceae) Peels Waste Material as a Biosorbent for Lead-Contaminated Water

Determination of Some Heavy Metals Possibly Present in Drinking Stations Found in the vicinity of a University in Manila, Philippines

Effects of the exposure of students, laboratory technicians and administrative staff of UP College of Pharmacy to Organic Reagents used in the Laboratory.

An initial assessment on the comparison of lead and cadmium levels in nails collected from two urban cities in the Philippines

Shell wastes applied as heavy metal remover in Manila water

Ongoing

Use of Filipino language as medium of instruction in UP Manila

Varied fruit peels as decontaminating agents of Manila water

Papers Presented

Solidum, J.N., Ng, V.A. (2011 My 12-14). Lead and cadmium content of ten most popular candies/chocolates and their wrappers favored by students from a university in Manila, Philippines, International Conference on Environmental Pollution and Public Health a special track of iCBBE 2011. Wuhan, China.

Solidum, J.N., Llarena, Z. (2011 My 12-14). Ability of Tahong (*Perna viridis*), Kulo (*Helix pomatia*), and Talaba (*Crassostrea gigas*) to de-lead simulated waste water preparations, International Conference on Environmental Pollution and Public Health a special track of iCBBE 2011 Wuhan, China,.

Solidum, J.N., Peji, S. (2011 My 12-14). Lead and cadmium levels in cosmetic preparations from Divisoria, Philippines, Book of Proceedings/ International Conference on Environmental Pollution and Public Health a special track of iCBBE 2011. Wuhan, China.

Solidum, J.N. (2011 JI 23-24). Assessment of lead and cadmium in plants, water, soil and food in the vicinity of a university in Manila, Philippines, Kunming China.

Solidum, J.N. (2011 Je 24-26). Characterization of saba peels, International Renewable Energy and Environmental Conference, Kuala Lumpur Malaysia.

Solidum, J.N. (2011 Je 24-26). Lead and cadmium levels in shellfoods, vegetables and restaurant drinking water in Manila, Philippines, International Renewable Energy and Environmental Conference, Kuala Lumpur, Malaysia.

Solidum, J.N. (2011 F). Glow with Wastes, REDTI National Scientific Conference, Davao City.

Solidum, J.N. (2010 N 26-28). An exploratory study on possible preparations that may be formulated from tahong shells collected from Cavite, Philippines 1st, 1st International Chemical and Environmental Engineering Conference. Kuala Lumpur, Malaysia.

Solidum, J.N. (2010 N 26-28). Evaluation of hepatoprotective activity of *Citrus microcarpa* Bunge (Rutaceae) fruit peels against acetaminophen induced liver damage in male BFAD Sprague Dawley rats, 1st International Chemical and Environmental Engineering Conference. Kuala Lumpur, Malaysia, November.

Solidum, J.N. (2010 N 26-28). Evaluation of hepatoprotective activity of *Citrus microcarpa* Bunge (Rutaceae) fruit peels against acetaminophen induced liver damage in male BFAD Sprague Dawley rats, 1st International Chemical and Environmental Engineering Conference. Kuala Lumpur, Malaysia, November.

Publications

2012 Solidum, J.N. Safety of children from lead in packaged snacks, fruit juices and distilled water marketed in Manila, Philippines.. International Journal of Chemical Engineering

- and Application/ISSN 2010-0221., 2012 O, 3(5).
- 2012 Solidum, J.N., Burgos, S., dela Cruz, K.M., Padilla, R. A quantitative analysis on cadmium and chromium contamination in powdered children's milk available in Metro Manila, Philippines. in International. Proceedings of Chemical, Biological and Environmental Engineering/ISSN 2010-4618., 2012 Ag, 44.
- 2012 Solidum, J.N., Solidum, J.G.N. Preliminary study on the possible use of *Garcinia mangostana* L (Guttiferae) hulls as colorant. International Proceedings of Chemical, Biological and Environmental Engineering/ISSN 2010-4618, 2012 Ag, 44.
- 2012 Solidum, J.N. Safety of children from lead in packaged snacks, fruit juices and distilled water marketed in Manila, Philippines.. International Journal of Chemical Engineering and Application, 2012, 3(5).
- 2011 Solidum, J.N. Lead and cadmium levels in shellfoods, vegetables and restaurant drinking water in Manila, Philippines. Book of Abstracts, International Renewable Energy and Environmental Conference, Kuala Lumpur Malaysia, 2011. Je 24-26.
- 2011 Solidum, J.N., Ng, V.A. Lead and cadmium content of ten most popular candies/chocolates and their wrappers favored by students from a university in Manila, Philippines.. Book of Proceedings International Conference on Environmental Pollution and Public Health a special track of iCBBE 2011. Wuhan, China ISBN 978-1-4244- 4713-8, 2011 My 12-14.
- 2011 Solidum, J.N., Llarena, Z. Ability of Tahong (*Perna viridis*), Kuhol (*Helix pomatia*), and Talaba (*Crassostrea gigas*) to de- lead simulated waste water preparations. Book of Proceedings International Conference on Environmental Pollution and Public Health a special track of iCBBE 2011. Wuhan, China ISBN 978-1-4244- 4713-8, 2011 My 12-14.
- 2011 Solidum, J.N. Characterization of saba peels. Book of Abstracts, International Renewable Energy and Environmental Conference, Kuala Lumpur, Malaysia, 2011 Je 24-26.
- 2011 Solidum, J.N. Mga Payong Make-up. The Manila Collegian, 2011 F2, 24(13-14).
- 2011 Solidum, J.N., Peji, S. Lead and cadmium levels in cosmetic preparations from Divisoria ISBN 978-1-4244- 4713-8; IEEE Explore Indexed. Philippines Book of Proceedings International Conference on Environmental Pollution and Public Health a special track of iCBB, EWuhan, China, 2011 My12-14.
- 2011 Solidum, J.N. Characterization of Saba peels.. International Journal of Chemical and Environmental Engineering, 2011, 2(3).
- 2011 Solidum, J.N. Lead and cadmium levels in shell foods, raw vegetables and restaurant drinking water in Metro Manila, Philippines. International Journal of Chemical and Environmental Engineering, 2011, 2(4).
- 2011 Solidum, J.N., Peji, S. Lead and Cadmium levels of inexpensive cosmetic products sold in Divisoria, Manila Philippines.. vvResearch and Educational Development Training Institute Journal, 2011, 8:1-4.
- 2011 Solidum, J.G., Solidum, J.N., Solidum, G. ilmore G. Preliminary study on perception of parents of a public school on the incorporation of sex education in the primary level curriculum. Research and Educational Development Training Institute Journal, 2011, 8:306-310.
- 2010 Solidum, J.N., Peji, S.M. Lead and cadmium levels in cosmetic preparations from Divisoria, Manila, Philippines.. Book of Abstracts 23rd FAPA Congress. Taipei,

Taiwan, 2010 N 5-9.

- 2010 Solidum, J.N. et al. Characterization of the lead absorptive property of Malunggay (*Moringa oleifera*) leaves. Book of Abstracts 23rd FAPA Congress. Taipei, Taiwan, 2010 N 5-8.
- 2010 Solidum, J.N. et al. An exploratory study on the presence of heavy metal contaminants lead, mercury and arsenic in selected Chinese Herbal Slimming capsules sold in Manila, Philippines. 23rd FAPA Congress. Taipei, Taiwan, 2010 N 5-8.
- 2010 Solidum, J.N. An exploratory study on possible preparations that may be formulated from tahong shells collected from Cavite, Philippines. Proceedings, 1st International Chemical and Environmental Engineering Conference. Kuala Lumpur, Malaysia, 2010 N 26-28.
- 2010 Solidum, J.N. et al. Evaluation of hepatoprotective activity of *Citrus microcarpa* Bunge (Rutaceae) fruit peels against acetaminophen induced liver damage in male BFAD Sprague Dawley rats.. 1st International Chemical and Environmental Engineering Conference. Kuala Lumpur, Malaysia,, 2010 N 26-28.
- 2010 Solidum, J.N. Lead contributed by the environment and raw materials to popular street foods in Metro Manila, Philippines. Book of Proceedings International Conference on Environmental Pollution and Public Health, Chengdu, China/ISBN 978-1-4244- 4713-8, 2010 Je 21-23.
- 2010 Solidum, J.N., Dahilig, V., Omran, A. Lead levels in water sources in Manila, Philippines. International Journal of Engineering (ISSN 1584-266), 2010, 8(2).

Name Maria Pura Rayco Solon
Place of Birth Daraga, Albay
Date of Birth April 25, 1970
Gender Female
Civil Status Single
Home Address 12 Palmero St., Verdana Homes, Molino IV, Bacoor, Cavite

Organizational Affiliations

Clinical Research Scientist, Nutrition Center of the Philippines, Taguig City, Philippines
Faculty Rank Associate Professor 1, UP Manila, Taft Ave., Manila
Administrative Vice-Chair for Academic Programs, Dept. of Biochemistry and Molecular Biology, UP, Manila

Education

B.S. Biology, University of the Philippines-Diliman, Quezon City 2000
Doctor of Medicine (Pediatrics), University of the Philippines-Diliman, Quezon City 2000
Diploma in Tropical Medicine and Hygiene, Royal College of Physicians,
MS in Infection and Health in the Tropics (with distinction), London School of Hygiene and Medicine, London
PhD. in Epidemiology and Population Health, London School of Hygiene and Medicine, London

Fields of Specialization

Pediatrics
Medicine
Role of Vitamins and Nutrients in Children
Maternal Health

Employment

Paediatric Registrar, UK Medical Research Council Laboratories, The Gambia, 2000.2005-

Association Membership

Member, Philippine Society for the Advancement of Genetics
Member, Natural Products Society of the Philippines
Member, Board of Directors, Philippine Society for Biochemistry and Molecular Biology (PSBMB)
Member, American Society for Microbiology
Associate Member, National Research Council of the Philippines
Member, Philippine Association of Nutrition
Member, Philippine Medical Association

Honors / Awards

ICN Travel Grant Award, ICN 2009

Outstanding Young Scientist, NAST-DOST 2013

Trainings

19th International Congress of Nutrition, Bangkok, Thailand 2009 O

Researches

Completed

Development of an Immunoassay for the Detection Immunoglobulin Y S&T Fields (2008-2010)

Papers Presented

Cabalda, A.B., Rayco-Solon, P., Solon, J.A., F. S. Solon, F.S. (2009 O). Home gardening and its association with the dietary intake of Filipino preschool children, 19th International Congress of Nutrition, Bangkok, Thailand.

Risonar, M. G. D, Rayco-Solon, P., Ribaya-Mercado, J.D., Solon, J.A., Cabalda, A.B., Tengco, L.W., Solon, F.S. (2009 O). Physical activity, energy requirements and adequacy of dietary micro- and macronutrient Filipino elderly, 19th International Congress of Nutrition, Bangkok, Thailand.

Solon,-Rayco, M.P. (2009 N). Garantisadong Pambata (GP) Summit, Puerto Princesa, Palawan.

Publications

- 2011 Cabalda, A.B., Rayco-Solon, P., Solon, J.A.A., Solon, F.S. Home Gardening Is Associated with Filipino Preschool Children's Dietary Diversity. *Journal of The American Dietetic Association - J AMER DIET ASSN*, 2011, 111(5):711-715.
- 2010 Maramag, C.C., Ribaya-Mercado, J.D., Rayco-Solon, P., Solon, J.A.A., Tengco, L.W., Blumberg, J.B., Solon, F.S. Influence of carotene-rich vegetable meals on the prevalence of anaemia and iron deficiency in Filipino schoolchildren. *European Journal of Clinical Nutrition - EUR J CLIN NUTR*, 2010, 64,(5):468-474.
- 2010 Rayco-Solon, P. et al Season of Conception in Rural Gambia Affects DNA Methylation at Putative Human Metastable. *PLOS Genetics - PLOS GENET*, 2010, 6(12).
- 2010 Ryckman, K.K., Fielding, K., Hill, A.V., Mendy, M., Rayco-Solon, P., Sirugo, G., van der Sande, M.A., Waight, P., Whittle, H.C., Hall, A.J., Williams, S.M., Hennig, B.J. Host Genetic Factors and Vaccine-Induced Immunity to HBV Infection: Haplotype Analysis. *PLOS One*, 2010, 5(8).
- 2009 Risonar, M. G. D., P. Rayco-Solon, J. D. Ribaya-Mercado, J. A. Solon, A. B. Cabalda, L. W. Tengco, F. S. Solon. Physical activity, energy requirements, and adequacy of dietary intakes of older persons in a rural Filipino community. *Nutrition Journal*, 2009, 8(19).
- 2009 Hennig, B.J., Fulford, A.J., Sirugo, G., Rayco-Solon, P., Hattersley, A.T., Frayling, T.M., Prentice, A.M. FTO gene variation and measures of body mass in African populations. *BMC Medical Genetics*, 2009, 10(21).
- 2009 Risonar, M. G. D., Rayco-Solon, R., Tengco, L.W., Sarol, J.N., Paulino, L.S., Solon, F.S. Effectiveness of a redesigned iron supplementation delivery system for pregnant women in Negros Occidental, Philippines. *Public Health Nutrition*, 2009:932-40.
- 2009 Rayco-Solon, P., Risonar, M.G.D. Effect of an effective redesigned iron-folate

- supplementation delivery system on health center record keeping. *Public Health Nutrition*, 2009.
- 2009 Risonar, M. G. D, P. Rayco-Solon, J. D. Ribaya-Mercado, J. A. Solon, A. B. Cabalda, L. W. Tengco, F. S. Solon. Physical activity, energy requirements and adequacy of dietary micro- and macronutrient Filipino elderly. *Annals of Nutrition and Metabolism*, 2009, 55(suppl.1):74.
- 2009 Cabalda, A. B., P. Rayco-Solon, J. A. Solon, F. S. Solon. 2009 Home gardening and its association with the dietary intake of Filipino preschool children. *Annals of Nutrition and Metabolism*, 2009, 55(suppl 1):362.
- 2008 Risonar, M. G. D., Tengco, L.W., Rayco-Solon, P., Solon, F.S. The effect of school-based weekly iron supplementation delivery system among anemic schoolchildren in the Philippines. *European Journal of Clinical Nutrition*, 2008:991-996.
- 2008 Tengco, L. W., P. Rayco-Solon, J. A. Solon, J. N. Sarol Jr., F. S. Solon. Determinants of anemia among preschoolers in the Philippines. *Journal of the American College of Nutrition*, 2008, 27:229-243.
- 2008 Hennig B., K. Fielding, J. Broxholme, M. Diatta, M. Mendy, C. Moore, A. J. Pollard, P. Rayco-Solon, G. Sirugo, M. A. van der Sande, P. Waight, H. C. Whittle, A. Zaman, A. V. Hill, A. J. Hall. Host genetic factors and vaccine-induced immunity to hepatitis B virus infection. *PLoS One*, 2008, e1898.
- 2007 Maramag, C.C., L. W. Tengco, P. Rayco-Solon, F. S. Solon. Stability of iodine in iodized aged salt and iodized newly harvested salt exposed in simulated market conditions. *Food and Nutrition Bulletin*, 2007, 28:412-418.
- 2007 Rayco-Solon, P., Maramag, C.C., . Solon, J.A., Solon, F.S. Evidence-based iodization policy changes in the Philippines. *SCN News*, 2007, 35:59-60..
- 2007 Rayco-Solon, P., Maramag, C.C., Solon, J.A., . Solon, F.S. Evidence-based iodization policy changes in the Philippines [Programme News]. *SCN News*, 2007, 35:59-60.
- 2006 Fulford, A.J., Rayco-Solon, P., Prentice, A.M. Statistical modelling of the seasonality of preterm birth and intrauterine growth restriction in rural Gambia. *Paediatric and Perinatal Epidemiology*, 2006, 20:251-259.
- 2006 Sande, M. A., P. Waight, M. Mendy, P. Rayco-Solon, P. Hutt, T. Fulford, C. Doherty, S. McConkey, D. Jeffries, A. J. Hall and H. C. Whittle. Long-term protection against hepatitis B carriage following infant vaccination. *Journal of Infectious Diseases*, 2006, 193:1528-1535.
- 2006 Mendy, M. E., S. Kaye, M. V. Sande, P. Rayco-Solon, P. A. Waight, D. Shipton, D. Awl, P. Snell, H. C. Whittle, S. J. McConkey. Application of real-time PCR to quantify hepatitis B virus DNA in chronic carriers in The Gambia. *Virology Journal*, 2006, 3:23.
- 2005 Rayco-Solon, P., Fulford, A.J., Prentice, A.M. Differential effects of seasonality on preterm birth and intrauterine growth restriction in rural Africans.. *American Journal of Clinical Nutrition*, 2005, 81:134-139.
- 2005 Rayco-Solon, P., Fulford, A.J., Prentice, A. M. Maternal preconceptional weight and gestational length. *American Journal of Obstetrics and Gynecology*, 2005:1133-1136..
- 2005 Prentice, A. M., P. Rayco-Solon, S. E. Moore. Insights from the Developing World: Thrifty Genotypes and Thrifty Phenotypes. *Proceedings of the Nutrition Society*, 2005, 64:13-161.

- 2005 Rayco-Solon, P. Fetal Nutrition and Adult Disease: Programming of Chronic Disease through Fetal Exposure to Undernutrition [book review]. *Nutrition Bulletin*, 2005, 30:197.
- 2004 Rayco-Solon, P., S. E. Moore, A.). Fulford, A. M. Prentice. Fifty-year mortality trends in three rural African villages. *Tropical Medicine and International Health*, 2004, 9:1151-1160.
- 2000 Rayco-Solon, M. P. Determinants of Plasmodium falciparum ametocyaemia among patients presenting at the Hospital for Tropical Diseases. Master of Science thesis at the London School of Hygiene and Tropical Medicine, 2000.
- 1996 Rayco, M. P. Case Report of siblings with short stature and rickets: de Toni-Debre-Fanconi Syndrome. Philippine General Hospital Department of Pediatrics, 1996.
- 1995 Rayco, M. P. Maternal health care in Sta. Maria, Laurel, Batangas: the practices, beliefs, behaviour, and attitudes of mothers and traditional birth attendants regarding birth and delivery. College of Medicine, Department of Family and Community Health, 1995.
- 1992 Rayco, M. P., et al. Screening of Alagaw (Premnaodorata blanco) as an anti-depressant using the Swim Stress Test. University of the Philippines, College of Medicine, 1992.
- 1991 Rayco. M. P., et al. The direct vasoactivity of bolus administration of aqueous garlic extract in rat mesenteric circulation. University of the Philippines, College of Medicine, 1991.
- Rayco, M. P. et al. Glomerulonephritis Profile in Renal Biopsies done at the National Kidney Institute from 1987 to 1993.. University of the Philippines, College of Medicine., , 1993.

Name Mark Anthony J. Torres

Gender Male

Civil Status Single

Organizational Affiliations

Faculty Member, College of Science & Mathematics (CSM), IIT-MSU, Iligan City

Research Coordinator, Iligan Institute of Technology- Mindanao State University (IIT-MSU), Iligan City

Education

Ph.D. in Entomology, University of the Philippines at Los Baños, College, Laguna 1998

Ph.D. in Genetics, University of the Philippines at Los Baños, College, Laguna 1990

Fields of Specialization

Biological Sciences

Entomology

Genetics

Association Membership

Member, National Research Council of the Philippines (NRCP)

Honors / Awards

Best Scientific Poster Award in the Social Science Division, 35th Annual Scientific Meeting of the National Academy of Science and Technology (NAST), Manila Hote 2013
Jl 10-11

Trainings

International Conference on Environmental Science and Technology, Peninsular Excelsior Hotel, Singapore 2011 F 26

International Conference on Environmental Science and Technology, Peninsular Excelsior Hotel, Singapore 2011 F 26

Researches

Ongoing

Assessing animal behavior with special focus on human behavior (ADHD)

Biosocial genetics especially in understanding populations of indigenous peoples and other human populations (ethnic groups, homosexuals lesbians)

Health sciences research (populations of diabetics, alcoholics, high and low IQ students, quality of life of cancer patients, hypertensives, diabetics, single old patients)

Genetics of selected psychiatric disorders

Education Research focusing on the attitudes of students on mathematics and the sciences

Papers Presented

Albutra, Q., Torres, M.A.J., Demayo, C.G. (June 27-28, 2011). Qualitative and quantitative analysis of scale shape variation between different body regions of redbreast

wrasse (*Cheilinus fasciatus*), International Seminar Natural Resources, Climate Change, and Food Security in Developing Countries (ISNAR-C2FS), Surabaya, Indonesia.

Demayo, C.G., Torres, M.A.J. (2011 S 9-11). Of Virtual friendships, romantic relationships and safety: A survey of what the students of MSU-IIT think, 4th International Conference of Educational Research. Faculty of Education, Khon Kaen University, Kon Kaen, Thailand.

Demayo, C.G., Torres, M.A.J. (2011 S 9-11). Abuse in a romantic relationships among students of MSU-IIT, 4th International Conference of Educational Research, Faculty of Education, Khon Kaen University, Kon Kaen, Thailand.

Torres, M.A.J., Demayo, C.G. (2011 S 9-11). ADHD among students of MSU-IIT students, 4th International Conference of Educational Research, Faculty of Education, Khon Kaen University, Kon Kaen, Thailand.

Demayo, C.G., Torres, M.A.J. (2011 S 9-11). 4th International Conference of Educational Research, Faculty of Education, Khon Kaen University, Kon Kaen, Thailand.

Moneva, C.S.O., Torres, M.A.J., Sharon Rose M. Tabugo, S.R.M., Demayo, C.G. (2011 Je 27-28). Qualitative and geometric morphometric description of the shapes of scales of iridescent parrotfish, *Calotomus viridescens* (Rüppell, 1835), in Developing Countries, International Seminar Natural Resources, Climate Change, and Food Security in SNAR-C2FS), Surabaya, Indonesia.

Coronel, K.H.I., Torres, M.A.J., Demayo, C.G. (2011 Je 27-28). Modularity, Covariation and Integration in the Hind Wings of Grasshopper in Family Acrididae, International Seminar Natural Resources, Climate Change, and Food Security in Developing Countries (ISNAR-C2FS), Surabaya, Indonesia.

Torres, M.A.J., Demayo, C.G. (2011 F 26). Paramere Morphology of Two Colormorphs of the Brown Planthopper *Nilaparvata lugens* (Stål) (Homoptera: Delphacidae), International Conference on Environmental Science and Technology, Peninsular Excelsior Hotel, Singapore.

Gutierrez, P.M., Jr., Torres, M.J.H., Demayo, C.G. (2011 F 26). Thin-Plate Spline (TPS) and Correlation Based on Distances (CORIANDIS) Analyses as Tools for the analysis of Morphological Differences in Dragonfly Wings, International Conference on Environmental Science and Technology Peninsular Excelsior Hotel, Singapore.

Moneva, C.S.O., Torres, M.A.J., Demayo, C.G., (2011 F 26). Variability in the Wing and Tail Feathers of the Rock Pigeon (*Columba livia*), International Conference on Environmental Science and Technology. Peninsular Excelsior Hotel, Singapore.

Albutra, Q.B., Torres, M.A.J., Demayo, C.G. (2011 F 26-28). Determination of Sexual Dimorphism in the Primary Wing and Tail Feathers of a subspecies of the Rock Pigeon (*Columba livia intermedia*) using Principal Component Analysis, Elliptic Fourier Analysis and Discriminant Analysis., International Conference on Environmental Science and Technology. Peninsular Excelsior Hotel, Singapore.

Adajar, A., Torres, M.A.J., Demayo, C.G. (2011). Structures and shape variations of the scales of quoy parrotfish, *Scarus quoyi* (Valenciennes 1840), .

Publications

- 2012 Dela Cruz, L.M.L., Torres, M.A.J., Barrion, A.T., Joshi, R., Sebastian, L.S., Demayo, C.G. Geometric Morphometric Analysis of the Head, Pronotum and Genitalia of the Rice Black Bug Associated with Selected Rice Types, Egyptian. Academic Journal of Biological Sciences. A. Entomology (ISIJournal), 2012, 4(1):21-31.

- 2012 Dennis A. Apuan, Mark Anthony G. Torres, Madonna Casimero, Leocadio S. Sebastian and Cesar G. Demayo. Describing phenotypic variability in seed shapes of weedy rice types in comparison to cultivated and wild rice types using Elliptic Fourier analysis. *International Journal of Agriculture and Biology/Int. J. Agric. Biol.*,(ISI-journal, SCI), 2012, 13:857-864..
- 2011 Torres, M.A.J., Joshi, R., Sebastian, L., Demayo, C.G. Geographic phenetic variation in the golden apple snail, *Pomacea canaliculata* (Ampullariidae) based on geometric approaches to morphometrics. *Advances in Environmental Sciences/ AES Bioflux*, 2011, 3:243-248.
- 2011 Dennis A. Apuan, Mark Anthony G. Torres, Jessie Gorospe, Ruben Amparado and Cesar G. Demayo Intra-panicle variation in seed shapes of weedy rice. *Australian Journal of Basic and Applied Sciences (ISI-journal)*, 2011, 5(3):185-191.
- 2011 Adamat, L., Torres, M.A.J., Jessie Gorospe, J., Amparado, R.F., Jr, Barrion-Dupo, A.L., Demayo, C.G. Orb-Web Design of Garden Spider, *Argiope appensa* (Walckenaer, 1841) (Araneae:Araneidae). *Australian Journal of Basic and Applied Sciences*, 2011, 5(3):171-175.
- 2011 Tabugo, S.R.M., Torres, M.A.J., Demayo, C.G. Determination of Developmental modules and Conservatism in the fore- and hind wing of two species of dragonflies, *Orthetrum sabina* and *Neurothemis ramburii*. *International Journal of Agriculture and Biology. (ISI-journal)*, 2011, 13:541-546..
- 2011 Dela Rosa, V.G., Torres, M.A.J., Demayo, C.G. Morphological Integration and Modularity Analysis of the Shell of the Giant African Snail, *Achatina fulica* Bowdich. *Advanced Materials Research. (In press)*, 2011.
- 2011 Requieron, E.A., Torres, M.A.J., Muhmin Michael E. Manting, M.M.E., Demayo, D.M. Relative Warp Analysis of Body Shape Variation in Three Congeneric Species of Pony Fishes (Teleostei:Perciformes:Leiognathidae). *Advanced Materials Research (In Press)*, 2011.
- 2011 Dorado, E.L., Torres, M.A.J., Gorospe, J.G., Amparado, R.F. Jr., Demayo, C.G. Relative Warp Analysis of Sexual Dimorphism in Body Shapes of the Silver Perch, *Leiopotherapon plumbeus* (Kner, 1864) of Lake Buluan in Mindanao, Philippines. *Advanced Materials Research. (In Press)*, 2011.
- 2011 Cordulo P. Ascaño II, Mark Anthony J. Torres, Jessie G. Gorospe, Ruben F. Amparado, Jr. and Cesar G. Demayo. 2011. The Use of a Centroid Size Estimate to Detect Head Size Differences Among Populations of the Green Leafhopper, *Nephotettix virescens* Distant (Homoptera:Cicadellidae). *Advanced Materials Research. (In Press)*, 2011.
- 2011 Nacua, S.S., Torres, M. A. J., Demayo C.G. 2011. Sexual dimorphism in *Tilapia, Oreochromis mossambicus* (Peters, 1852) from lake Lanao, Philippines. *Research Journal of Fisheries and Hydrobiology, (ISI journal)*, 2011, 6(2):92-99.
- 2011 Dalayap, R., Torres, M.A.J., Demayo, C.G. Landmark and outline methods in describing petal, sepal and labellum shapes of the flower of Mokara orchid varieties. *International Journal of Agriculture and biology (ISI-journal)*, 2011, 13:652-658..
- 2011 Demayo, C.G., Macabanding, J., Torres, M.A.J. Heritability of aggressive behavior in selected cultural groups in Mindanao, Philippines (ISI-journal. mm. , *Australian Journal of Basic and Applied Sciences*, 2011, 5(8):429-437.
- 2011 Torres, M.A.J., Amarillo, L.R.T., Joshi, R., Sebastian, L., Baoanan, Z., Demayo, C.G. Intra- and Inter-Population Variability in the Golden Apple Snail *Pomacea canaliculata*. *Australian Journal of Basic and Applied Sciences. In Press. (ISI-*

journal, 2011, 5(6):789-800.

- 2011 Calacat, J.C.B., Torres, M.A.J., Demayo, C.G. Application Of Elliptic Fourier Analysis In Understanding Leaf Shape Characters Of Anthurium (ISI-journal). Advances in Agriculture & Botanic. AAB Bioflux, 2011, 3(2):82-92.
- 2011 Alegre,A.L.I., Torres, M.A.J., Demayo, C.G. Determination of host-associated variability in the shape of the mandible of white rice stem borer *Scirpophaga innotata* Walker (Lepidoptera: Pyralidae). Advances in Environmental Sciences. AES Bioflux,(ISI-journal), 2011, 3(1):53-67..
- 2011 Tabugo, S.R.M., Torres, M.A.J., Demayo, C.G. Determination of Developmental modules and Conservatism in the fore- and hind wing of two species of dragonflies, *Orthetrum sabina* and *Neurothemis ramburii*. International Journal of Agriculture and Biology (In Press), 2011:541-546..
- 2011 Dela Cruz, L.M.L., Torres, M.A.J., Barrion, A.T. Joshi, R., Sebastian, L.S., Demayo, C.G. Geometric Morphometric Analysis of the Head, Pronotum and Genitalia of the Rice Black Bug Associated with Selected Rice Types. Egyptian Acade, 2011.

Name **Lorma M. Valera**
Place of Birth Cebu City
Date of Birth March 30, 1958
Gender Female
Civil Status Married
Home Address Brgy. 28, Rizal St., Laoag City

Organizational Affiliations

Professor IV, Mariano Marcos State University, College of Industrial Technology, P. Gomez, Laoag City

Education

Ph D in Education, Mariano Marcos State University, Laoag City 1990 Ap 4

Master of Education (Major in Practical Arts), Mariano Marcos State University, Laoag City 1984 N 3

BS in Home Technology, Mariano Marcos State University, Laoag City 1978 Ap 1

Fields of Specialization

Education

Food Product Development

Employment

Associate Professor IV, Mariano Marcos State University, 1992 JI 28-present-

Secondary School Teacher, Ilocos Norte National High School, 1978 D 4-1992 JI 27-

Teacher for Continuing Education, Plaridel Elementary School, 1978 N 25-1979 Mr 24-

Assistant Instructor, Mariano Marcos State University, 1978 My 22-O 28-

Association Membership

Life-time Member/Vice President, Philippine Home Economics Association

Life Member, Philippine Association of Home Economics of State Colleges and Universities (PAHESCU)

Member, Council of Deans & Heads of Home Economics in the Pjhilippines (CODHHEP)

Member, Association of National Accreditors of the Accrediting Agency of Chartered Colleges

Member, Laoag City Tourism Council

Member, Hotel & Restaurant Association of Laoag City and Ilocos Norte

Member, MMSU Faculty Association

Member, Public School Teachers' Association

Honors / Awards

Most Outstanding Home Economics Teacher of the Philippine (Tertiary Level), Philippine Home Economics Association, Department of Education, Department of Agriculture 1998 S 2

Gintong Sikap Award, Federation of Filipino Consumers, Inc. 1998 D 20

Dakilang Ina Award, Family Development & Youth Council, Inc. 1999 My 9

Distinguished Service Award, Child Service Assistance & Rehabilitation Entity, Inc. 1999 My 9

Public Service Award, Development of Filipino Youth, Inc. 1999 F 20

Outstanding Home Economist, Mariano Marcos State University 1999 Ja 6

Senior National Accreditor, Accrediting Agency of Chartered College & Universities of the Philippines (AACCU)P)

AFMA Research & Development Award (Group), Department of Agriculture-Bureau of Agricultural Research 2004 O 5

Best Paper - Development of Multipurpose Portable Smokehouse Devise (Group), Mariano Marcos State University May 4-7, 2004

Certificate of Recognition as Resource Speaker, Bangui, Ilocos Norte 2009 F 1

Finalist, National Search for the All-Filipino Beverage, Philippine Rice Research Institute 2007 N 5

Certificate of Recognition, Team Leader, AACCU)P Survey Visit, Tarlac State University August 4-6, 2009

Resource Person "Livelihood Caravan" Senator Manuel Villar, Senate of the Philippines 2009 F & A

Certificate of Recognition, Team Leader, AACCU)P 3rd Survey Visit, BSFT, Polytechnic University of the Philippines 2009 JI 8-11

Certificate of Recognition as Resource Person, Development Academy of the Phils., Department of Education - Health & Nutrition Center 2009 Mr 16-20

Certificate of Recognition, Team Leader, AACCU)P 1st Formal Visit, Level 1, Bulacan Agricultural State College 2009 Mr 10-13

Certificate of Recognition, Consultant, First Bawang & Pinakbet Festival, Laoag City Government 1999 F 4-12

Certificate of Recognition, Community Service, Laoag City Government

Certificate of Recogniton, Team Leader, AACCU)P Formal Accreditation Visit, Central Visayas Polytechnic College 1999 F 8-11

Guest Chef, Dalican, Holiday Inn, Manila 1998 Mr 4

Outstanding Processing Trainee, Hotel Nikko, Manila Garden 1995 Mr 4

Certificate of Recognition, Winning Coach, Malunggay Festival Contest 1994 F 4

Certificate of Appreciation, CODHHEP 1993 N 6

Certificate of Recognition as Resource Speaker-Livelihood Projects Toward Nutrition Development, Regional League of Nutrition Action Officers, Region I 2009 Mr 6

Certificate of Appreciation, UP Institute of Small Scale Industry 2008 N 23-25

30 Years Dedicated Service, Civil Service Commission 2008 S 30

Certificate of Recognition-Best Popular Poster Award "Malunggay-Based Recipes", Ilocos

Consurtium for Industry and Energy Research Development 2008 S 17

Certificate of Recognition, Resource Speaker, 6th Staff Development Seminar, Department of Education - National Nurses Association 2008 My 31-Je 2

Certificate of Recognition, Resource Speaker, 12th Annual PAHESCU Conference, PAHESCU 2008 Ap 23-24

Certificate of Recognition, Accreditor, Graduate-Level III, Technological University of the Philippines, Manila 2008 Ja 23-25

Certificate of Recognition, Team Leader, AACCUP 3rd Survey Food Technology Program 2007 Ja 15-18

Certificate of Appreciation, Consultant, SARABO Food Festival, Province of Ilocos Norte 1999 D 11

Certificate of Recognition-Meritorious Service, Province of Ilocos Norte, Laoag City Government 1999 Ag 23

Certificate of Merit, Community Service, Province of Ilocos Norte, KALIPI 1999 Mr 15-18

Certificate of Recognition, Team Leader, AACCUP Formal Accreditation Visit, Sultan Kudarat Polytechnic State College 1999 Mr 15-18

Certificate of Appreciation, Outstanding Performance as Accreditor, Don Mariano Marcos State Univeristy, San Fernando, La Union 1999 Mr 11

Certificate of Recognition, Team Leader, AACCUP Formal Accreditation Visit, Technological University of the Philippines 1999 Fe 17-19

Trainings

Trainers Methodology Training Program, TESDA 2007 O 15-19

Application of Indigenization in the Tertiary Level, Polythenic University of the Philippines, Manila 2007 Mr 29

Rice-Based Products Making, Philippine Rice Institute 2007 Mr 14

Specialized Training Course on Dairy Processing, UPLB Dairy Training & Research Institute 2007 Ag 11-16

Basic Skills Training on Peanut Processing/Onion Processing, Mariano Marcos State University, Batac, Ilocos Norte 2006 My 29

Training of Accreditors, AACCUP, Manila 2004 N 24-25

Preparation of New Instrument for Programs and Institutional Accreditation, AACCUP, Manila 2004 My 25-27

Enhancing Teachers' Capability for a More Productive Technician Education, Mariano Marcos State University, Batac, Ilocos Norte 2003 N 2-2004 Mr 6

Livelihood Training Program, MMSU Graduate School & Padre Anniballe Elementary School 2003 Ag 2-O 4

Skills Training on Food Processing, DILG Sarrat, Ilocos Norte 2002 Jl 18

Livelihood Training Program, MMSU & Laoag City Government 2002 F 9

Fish Processing, Department of Labor and Employment 2000 Ag 7-11

DMC Needlecraft Processing, TESDA & MMSU 1999 D 8-9

Skills Training on Fruit & Vegetable Processing, Ilocos Norte Provincial Government 1999 Ap 19-22

Training of Women on Livelihood Projects, Ilocos Norte Provincial Government 1999 Ag 23-25

Food Beverage and Housekeeping Seminar & Hands-on Training, Holiday Inn, Manila 1998 F 22-23

Module Development and Programmed Instruction, MMSU Open University 1997 My 19-22

Continuing Education for Professional Development of Tech-Voc Education and Training for Teachers, Colombo Plan Staff College for Technician Education 1997 My 12-22

Cookery-Culinary Basic Course in International Cuisine, TESDA 1996 My 23-25

Food Processing Intermediate Course, Department of Education 1995 O 23-27

Project Development Course (Basic), Department of Education - National Training Center for Education & Staff Development 1995 Ja 30-F 3

Trainer's Training on Food Processing (Basic), Bureau of Technical & Vocational Education 1995 F 27-Mr 4

Pies, Pastries and Cakes, Baker's Institute 1994 O 10-13

Commercial Baking, Baker's Institute 1994 My 2-6

Ice Cream on Sticks/Sorbetes, Technology & Livelihood Resource Center 1994 Je 9-10

Chocolate Artistry, Henry Sison School of Cake Decorating & Baking 1992 O 27-N 1

Trainers Training Methodology Course, National Manpower & Youth Council 1991 JL 16-26

Business Technology Training Course, Technology & Livelihood Resource Center 1991 F 9-10

Training of Accreditors on New Criteria, Instrument, Procedures, Roles, AACCCUP, Manila

Researches

Completed

Malunggay ice cream production and other food products

Malunggay: The lowly but nutritious food

Malunggay ice cream production and by-products

Multipurpose portable smokehouse device

Conservation and utilization of buga

Marunggay: The indigenous food of the Ilocanoes

Utilization of locally-available fruits into concentrates and juices

Product development, improvement and utilization of yam

All Filipino rice beverage

Papers Presented

Valera, L. M. (2009 F 1). Marunggay: Taraon ken Kinabaknang nga Inna Ipaay, Bangui,

Ilocos Norte.

Valera, L. M. (). Application of Indigenization in the Tertiary Level, -.

Valera, L. M. (). Malunggay: The Ilocano Wonder Food, -.

Valera, L. M. (). Malunggay Ice Cream Production and By-products, -.

Valera, L. M. (). Multipurpose Portable Smokehouse Device (Group), -.

Valera, L. M. (). Conservation and Utilization of Buga (Group), -.

Valera, L. M. (). Marunggay: The Indigenous Food of the Ilocanoes, -.

Valera, L. M. (). Utilization of Locally-Available Fruits into Concentrates and Juices, -.

Valera, L. M. (). Product Development, Improvement and Utilization of Yam, -.

Valera, L. M. (). All Filipino Rice Beverage, -.

Publications

Valera, L.M. Taraon. (ISBN 971-790-007-8), .

Valera, L.M. Pabiagan. (ISBN 971-790-02), .

Valera, Lorma M. Cooking with the Mayor. (ISBN 971-790-028-0), .

Valera, L. M. -. Dairy Technopacks, .

Valera, L. M. Bagnos iti Umno a Panagtaraon. -, .

Valera, L. M. Rice Awareness Teaching Module. Instructional Manual, .

Valera, L. M. Food Processing Laboratory Manual. Laboratory Manual, .

Valera, L. M. Food Selection and Preparation Manual. Instructional Manual, .

Valera, L. M. Cooking Manual for Homemakers. Instructional Manual, .

Valera, L. M. All about malnutrition. ISBN 978 971 790-053-1, .

Valera, L. M. Malunggay Technopak. ISBN 971-790-053-7, .

Valera, L. M. Malunggay. ISBN 978-971-790-067-4, .

Name Evelina M. Vicencio
Gender Female
Civil Status Single
Home Address 37 Aguinaldo, UP Campus, Diliman, Quezon City

Organizational Affiliations

Member, CHED Technical Panel for Teacher Education, National Training Commissioner,
Ret. Professor of Curriculum Studies, College of Education, University of the Philippines

Education

Ph.D. in Educational Psychology, University of the Philippines, Diliman, Quezon City 1992

Fields of Specialization

Educational Psychology

Curriculum Development

Health Education

Social Sciences

Association Membership

Member, National Research Council of the Philippines (NRCP)

Honors / Awards

Gold Medal for Youth Service and Professional Education, University of the Philippines
College of Education Alumni Association 2008 Je 29

Plaque of Recognition,, Metrobank Foundation Inc. Network of Outstanding Teachers and
Educators, Manila Hotel 2008 O 24

Plaque of Recognition as Plenary Speaker, DepEd National Summit on Multi-grade
Education, Teachers Camp, Baguio City 2008 O 27-28

Plaque of Appreciation as Resource Speaker, Asia-Pacific Region Course for Leader
Trainers 2008 N 13-19

Plaque of Appreciation as Guest Speaker and Resource Person, Course for Leader
Trainers,Singapore Scout Association 2008 N 26-30

University of the Philippines Education Alumni Association Gold Medal, 2005 Je

Katibayan ng Pagpapahalaga for Service, University of the Philippines 2006 F 22

UP Center for Women's Studies Award for Exemplary Contributions to Women's Studies,
UP 2006 Mr 27

Plaque of Recognition, Lifetime Achievement Award, Boy Scouts of the Philippines,
Awarded by Vice President Jejomar Binay, assisted Annual National Council Meeting held
in Mambajao, 2012 My 16

Trainings

National Training Commission Seminar-Workshop on Adults in Scouting and National
Training Policies, Boy Scouts of the Philippines 2012 Ja 28-29

Roundtable discussion on the Philippine Situation Response Analysis on HIV, Drugs and Sexual Health, Bayview Hotel, Manila 2011 Je 23

2nd National Tri-Level Conference of Teachers and Educators, Manila Hotel 2008 O 24

47th National Convention of the Philippine Association of Chemistry Teachers, Inc. (PACT), Adamson University, Manila 2008 O 23

29th Annual National Scout Executives Conference, Makiling, Los Banos, Laguna 2008 D 3

1st National Tri-Level Conference of Teachers and Educators, Century Park Hotel, Manila 2006 O 26-27

The Asia Pacific Educational Research Association (APERA) Conference, Hongkong Institute of Education, Hongkong 2006 N 28-30

Workshop on Training Systems Development, Mouchak, Bangladesh 2006 Ap 8-9

National Philippine Environmental Education Conference, Bureau of Soils 2005 D 10

Researches

Completed

Basic education curriculum reviewer & INNOTECH staff, K to 12 in Southeast Asia

Module writer, Culture-Responsive Curriculum. Third Elementary Education Project on the Development of Multimedia Self-Learning Packages. SEAMEO-INNOTECH, 15 December 2005.

Module Writer, Study Skills. Philippine Military Academy

Aspirations in Elementary Education of Outstanding Teachers of the Philippines, UP Investment Portfolio Professorial Chair in Education.(2005 O 24

Assistant project Leader, Review of Health Messages and Concepts in Public Elementary Textbooks in the Philippines, UNESCO National Commission of the Philippines (Social and Human Sciences Committee), December 2005

On-going

Chair. Evaluation of the KAB Scouting Program. Boy Scouts of the Philippines

Chair. Evaluation of the KID Scouting Program. Boy Scouts of the Philippines

Coordinator. Asia-Pacific Region world Scout Bureau Training Tools Development. Asia-Pacific Region world Scout Bureau

The Globalization of Engineering Education and Practice

Ongoing

Sagip-Lingayen Gulf Project Phase II. Integrating Coastal Resources Education Concepts in the Basic Education Curriculum

The Health Curriculum in Philippine Basic Education, Phase II

Papers Presented

Vicencio, E.M. (2012 O 29-30). A situation-response analysis of the education sector's response to HIV, drugs and sexual health in the Philippines, Crowne Plaza Hotel.

Vicencio, E.M. (2012 F 2-3/2012 Mr 8-9/ 2012 Ap 23-27). The K to 12 Health Education Curriculum, DepEd Clarkfield, Pampanga, DAP Tagaytay.

Vicencio, V.M. (2008 O 24). Go Green, Go for the Real Thing, Network of Outstanding

Teachers and Educators (NOTED), 2nd National Tri-Level Conference of Teachers and Educators, Manila Hotel.

Vicencio, E.M. (2008 O 23). The Art and Skill of Questioning, 47th National Convention of the Philippine Association of Chemistry Teachers, Inc. (PACT), Adamson University.

Vicencio, E.M. (2008 O). "Mentoring: Titser Big Brother/ Big Sister", Plenary Speaker, National Summit on Multi-grade Education, Teachers Camp, Baguio City.

Vicencio, E.M. (2008 D 3). "Systematic Adult Resources Development", 29th Annual National Scout Executives Conference, Makiling, Los Banos, Laguna.

Vicencio, E.M. (2006 O 26-27). Save our Seashores, 1st National Tri-Level Conference of Teachers and Educators, Century Park Hotel, Manila.

Vicencio E.M. (2006 N 28-30). Multifaceted to Teacher Upgrading, The Asia Pacific Educational Research Association (APERA)Conference, Hongkong Institute of Education.

Vicencio, E.M. (2006 D 6). Profile of Outstanding Teachers of the Philippines, DepEd Bulwagan ng Karunungan.

Vicencio, E.M. (2006 Ap 8-9). Model of Training Systems Development, Workshop on Training Systems Development, Mouchak, Bangladesh.

Vicencio, E.M. (2005 S 1). Teachers Inspire and Make the Difference in Building Character, World Council for Curriculum and Instruction (Plenary Speaker), 21st National Convention, Manila Hotel.

Vicencio, E.M. (2005 O 22). Plenary Speaker, Shaping the Future Together, Programang Kaakbay Conference, Sa Aklat Sisikat Foundation, Ateneo de Manila.

Vicencio, E.M. (2005 D 10). Operation SOS (Schools Save Our Seashores (Plenary Speaker), National Philippine Environmental Education Conference, Bureau of Soils.

Publications

- 2012 Vicencio, E.M. Life skills in the badge system of the Boy Scouts of the Philippines. A conceptual analysis. Geneva, Switzerland: World Organization of the Scout Movement. Retrieved from http://www.scout.org/en/information_events/library/managing_adults/world_scientific_congress. Geneva, Switzerland: World Organization of the Scout Movement. Retrieved from P2C2519.pdf http://www.scout.org/en/information_events/library/managing_adults/world_scientific_congress, 2012 F 22).
- 2012 Maclang-Vicencio, E. A situation-response analysis of the education sector's response to HIV, drugs and sexual health in the Philippines.(Jakarta, Indonesia) Author. Retrieved from http://portal.unesco.org/geography/en/ev.php-URL_ID=8146&URL_DO=DO_TOPIC&URL_SECTION=201&URL_PAGINATION=50.html. UNESCO, Jakarta, 2012.
- 2012 Hiwatig, A.D., Cutiongco, E.C., Vicencio, E.M., Belen, J.G. & Treyes, R.S Science alive 1. Marikina: ICS., 2012.
- 2008 Vicencio, E.M. "Life skills for 2M Scouts. Educators Speak". Manila Bulletin, 2008 F 3:11-18.
- 2006 Multifaceted approach to teacher upgrading. The Asia Pacific Educational Research Association, 2006.

- 2006 Padilla, B.S., Cabanayan-Casasola, C.B., Vicencio, E.M. May Bukas Pa. Kaalaman Para sa mga Pasyenteng may End-Stage Renal Disease. Book edited by Padilla, B.S., Cabanayan-Casasola, C.B., Vicencio, E.M., 2006.
- 2005 Vicencio, E.M. Filipino: Wika ng Pagbabago. Marikina: ICS, 2005.
- 2003 Vicencio, E.M. Problem-Based Learning (PBL). Philippine Journal for Language Teaching, 2003 My, 21:1-8.
- 2003 Vicencio,E.M. Teaching support materials for elementary science. Manila: Foundation for Upgrading the Standard of Education (FUSE), 2003.
- 2003 Vicencio,E.M. History of the Philippine Association of University Women (PAUW). Manila: PAUW, 2003, 2.

Specialization Index

- Agricultural economics
Maunahan, Matilde V.
- Agriculture
Borines, Lucia M.
- Agriculture & Forestry
Maunahan, Matilde V.
- Agriculture and Forestry
Labios, Romeo V.
Combalicer, Edwin A.
- Analytical Chemistry
Aguilar, Zoraida P.
- Assay development, medical devices, project management, product development, ELISA, cell culture, bacterial culture; cosmetic formulation, botanical skin care
Aguilar, Zoraida P.
- Biochemistry
Aguilar, Zoraida P.
- Biological Sciences
Torres, Mark Anthony J.
Monsalud, Rosario
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- Biotechnology, biosensors, drug delivery, vaccine delivery
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- Brachial Plexus and Microsurgery
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- Broodstock Management and Larval Rearing
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- Chemical/Environmental Toxicology
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Amor, Evangeline C.
- Civil Engineering
Combalicer, Edwin A.
- Coastal and Marine Ecology (seagrasses and mangroves)
Fortes, Miguel Diño
- Coastal Restoration Ecology
Fortes, Miguel Diño
- Communication
Bantugan, Brian S.
- Conservation Farming
Labios, Romeo V.
- Crab Reproductive Biology Email:
profjbaylon@yahoo.com
Baylon, Juliana C.
- Crop Science
Labios, Romeo V.
- Crustacean biology and physiology
Estepa, Fe Dolores Parado
- Curriculum Development
Vicencio, Evelina M.
- Demography
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- Development communication
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- Ecology
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- Econometrics
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Economics Natividad - Carlos, Fidelina B.	GIS/RS Applications Combalicer, Edwin A.
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Fisheries and shrimp biology and culture Primavera, Jurgenne	Mangrove crab culture and fisheries and shrimp biology and culture Primavera, Jurgenne
Fisheries Science Baylon, Juliana C.	Mangrove-friendly aquaculture, Primavera, Jurgenne
Food Product Development Valera, Lorma M.	Marine Science Fortes, Miguel Diño
Food Science Capanzana, Mario V.	Maternal Health Solon, Maria Pura Rayco
Food Science & Nutrition Castaneda, Catherine Q.	Mathematics Arellano, Elvira L.
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Monetary Economics Natividad - Carlos, Fidelina B.	Population Science Raymundo, Corazon M.
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New Media Studies and Cultural Studies Bantugan, Brian S.	Protein conjugation to nanoparticles, enzyme- antibody conjugation Aguilar, Zoraida P.
Organic Chemistry Amor, Evangeline C.	Research Estepa, Fe Dolores Parado
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Penaeid shrimp broodstock management and larval rearing Estepa, Fe Dolores Parado	Research on Rabbitfish Ravago-Gotanco, Rachel June
Pharmaceutical Sciences Solidum, Judilynn N.	Role of Vitamins and Nutrients in Children Solon, Maria Pura Rayco
Philosophy David, Archimedes T.	Shrimp biology and culture Primavera, Jurgenne
Plant & Animal Science Combalicer, Edwin A.	Social Sciences David, Archimedes T. Vicencio, Evelina M.
Plant and Animal Science Ravago-Gotanco, Rachel June	Watershed Management Combalicer, Edwin A.
Plant Pathology Borines, Lucia M.	

Author's Index

Aguilar, Zoraida P.

Analytical Chemistry
Assay development, medical devices,
project management, product development,
ELISA, cell culture, bacterial culture;
cosmetic formulation, botanical skin care
Biochemistry
Biotechnology, biosensors, drug delivery,
vaccine delivery
Chemistry
DNA-hybridization,
Electrochemistry, microfluidics, in vitro
diagnostics
Medicine
Nanomaterials, nanosensors,
nanotheranostics, nanoimaging,
nanobiotechnology
protein conjugation to nanoparticles,
enzyme-antibody conjugation

Amor, Evangeline C.

Chemistry
Enzyme Inhibition Studies
Isolation and Structure elucidation of
bioactive compounds from Philippine Plants
Natural products chemistry
Organic Chemistry

Arellano, Elvira L.

Governmental, Educational, and
International Policies
Mathematics

Bantugan, Brian S.

Communication
Gender and Men's Studies, new media
studies and cultural studies.
Humanities
New Media Studies and Cultural Studies

Baylon, Juliana C.

Broodstock Management and Larval
Rearing
Crab Reproductive Biology Email:
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Fisheries Science

Borines, Lucia M.

Agriculture
Biological Sciences
Plant Pathology

Capanzana, Mario V.

Food Science

Castaneda, Catherine Q.

Food Science & Nutrition

Combalicer, Edwin A.

Agriculture and Forestry
Civil Engineering
GIS/RS Applications
Plant & Animal Science
Watershed Management

David, Archimedes T.

Philosophy
Social Sciences

Estepa, Fe Dolores Parado

Crustacean biology and physiology
Penaeid shrimp broodstock management
and larval rearing
Portunid crab larval rearing
Research

Estrella, Emmanuel P.

Brachial Plexus and Microsurgery
Hand Surgery
Medical Sciences

Fortes, Miguel Diño

Coastal and Marine Ecology (seagrasses
and mangroves)
Coastal Restoration Ecology
Marine Science