

**CURRICULUM VITAE**  
**January 2017**

**Name:** Dr. Pablito Macapugay Magdalita

**Date of Birth** January 25, 1961

**Place of Birth:** Boac, Marinduque

**Philippine Regulation Commission Agriculturist License No.** 0000296

**Contact Address:** Crop Science Cluster & Institute of Plant Breeding, College of Agriculture,  
University of the Philippines Los Baños, College, Laguna 4031; Cell No.  
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**Position:** Professor 1 & UP Scientist 1

**Academic Qualification/Training:**

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| 1991-1996 | Doctor of Philosophy (Plant Breeding & Plant Biotechnology)<br>Department of Agriculture<br>The University of Queensland<br>Brisbane, Australia 4072<br>Dissertation: Development of Interspecific Hybridization Techniques for Genetic Improvement of Papaya ( <i>Carica papaya</i> L.)  |
| 1997-1998 | Post-Doctoral (Plant Biotechnology & Genetic Engineering)<br>Plant Genetic Engineering Unit<br>The University of Queensland<br>Brisbane, Australia 4072<br>Research: Transformation Using Microprojectile Bombardment to Control Ripening of Papaya ( <i>Carica papaya</i> L.)  |
| 1983-1988 | Master of Science (Plant Pathology & Plant Breeding)<br>University of the Philippines Los Baños<br>College, Laguna 4031<br>Thesis: Epidemiology of Papaya Ringspot Virus (Best Paper-PMCP 1989)   |
| 1978-1982 | Bachelor of Science in Agriculture (Honours Curriculum-major in Agronomy/Outstanding Student in Academics/Dean's List/College Scholar/COCOFED Scholar 1978-1982)<br>Luzonian University (now Manuel S. Enverga University Foundation)<br>Lucena City 4301<br>Thesis: Comparative Study on the Varietal Performance of Rice Under Rainfed and Irrigated Conditions |

**Scholarships and fellowship:**

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| 1991-1996 | Doctor of Philosophy Scholarship sponsored by the Australian Agency for International Development (AusAID)   |
| 1997-1998 | Post-Doctoral Scholarship sponsored by the Department of Science and Technology (DOST) and the Australian Centre for International Agricultural Research (ACIAR) |
| 1983-1988 | Master of Science Graduate Studies sponsored by the University of the Philippines Faculty Improvement Program (Reduced Fee Program)                              |
| 1978-1982 | Bachelor of Science in Agriculture Scholarship sponsored by the National Coconut Producers Federation (COCOFED)  |
| 2002      | International Association of Plant Tissue Culture and Biotechnology (IAPTC & B) Congress Fellowship Travel Grant to Orlando, Florida, USA (June 23-28)           |

**Career service eligibilities:**

1. Career Service Professional, October 14, 1985, Manila
2. Career Service Professional, July 17, 1983, Lucena City
3. Career Service Sub-professional, December 7, 1980, Lucena City
4. Professional Regulation Commission Agriculturist License, August 19, 2003, Manila, Registration Number 0000296

**Awards:**

Best Poster International Tropical Fruits Symposium, (Dolores LM, Retuta YM and **Magdalita PM** 2016. Molecular detection and identification of *Candidatus Liberibacter Asiaticus*, the cause of a re-emerging huanglongbin (HLB) disease of citrus in the Philippines). International Symposium on Tropical Fruits: Towards Sustainable Fruit Production and Global Food Security, Davao City, Philippines, Aug 29-Sept 3, 2016 p. 33. International Tropical Fruits Network, DA, BPI-Philippines, Phil Fruit Association, Inc., Davao City, Philippines

Best Poster 5<sup>th</sup> MOVE (Materials of Value and Essence) Symposium (Bautista HNF, Fernando LM, Parami JMK, Paterno ES, **Magdalita PM**, Merca FE, Lantican MQ and Alcachupas JL. 2016. Nanoformulated plant growth regulators derived from bacteria for the production of high value crops). 5<sup>th</sup> MOVE (Materials of Value and Essence) Symposium, 4<sup>th</sup> Philippine Society of Materials Science and Nanotechnology Scientific Conference, De La Salle University, Manila, Philippines, August 27, 2016.

Top 1 Presenter Poster Session, (Magdalita PM, Abayon BDC and Villareal RL. 2015. Exploring the breeding potentials of Philippine native *Phalaenopsis* orchids. Poster paper presented to the 3<sup>rd</sup> International Symposium of the Philippine Native Plants Conservation Society, Inc. Nov 27-29, 2015). UP Diliman. 3<sup>rd</sup> International Symposium of the Philippine Native Plants Conservation Society, Inc., Philippine Native Plants Conservation Society, Inc., Diliman Quezon City

1. CA Outstanding Research Team, Hibiscus Breeding Team (c/o PM Magdalita), March 6, 2015/CA, UPLB.
2. **CSSP Achievement Award in Research** awarded by the Crop Science Society of the Philippines, Legazpi City, May 12, 2011.
3. **2011 Gawad Saka Outstanding Agricultural Scientist – Finalist** awarded by the DA-BAR, Manila Hotel, October 11, 2011.
4. **Nelia T. Gonzales Excellence Award in Research** awarded by the College of Agriculture, UP Los Baños, March 4, 2011.
5. **Philippine Fruit Association Award for Research** given by the Philippine Fruit Association, Tagbilaran City, Bohol, October 28, 2010.
6. **Outstanding Young Scientist (OYS)** awarded by the National Academy of Science and Technology, Manila Hotel, July 2000.
7. **Outstanding Senior Researcher** awarded by the Institute of Plant Breeding, University of the Philippines Los Baños, College of Agriculture, June 4, 2004.
8. **Outstanding Senior Researcher** awarded by the Institute of Plant Breeding, University of the Philippines Los Baños, College of Agriculture, June 5, 2000.
9. **Outstanding Junior Researcher** awarded by the Institute of Plant Breeding, University of the Philippines Los Baños, College of Agriculture, June 5, 1989.
10. **2010 International Publication Awards** given by the University of the Philippines, President's Awards for Academic Distinction, UP Diliman, Quezon City. Four papers were awarded as follows:
  - a. **Magdalita PM**, Damasco OP and Adkins SW. (2010). Effects of medium replenishment and acclimatization techniques on growth and survival of embryo cultured coconut seedlings. *Philipp. Sci. Lett.* 3(2):1-9.
  - b. Mendoza-Garces AC, **Magdalita PM**, Mendioro MS, Dela Cruz FS, Villegas VN. (2010). Morphological, cytological, biochemical and molecular characterization of *Carica papaya* L., *Vasconcellea quercifolia* (St. Hil.) Hieron and their intergeneric hybrid. *Philipp. J. Crop Sci.* 35(2):1-11.

- c. Rola AC, Elazegui DD, Nguyen MR, **Magdalita, PM**, Dumayas EE and Chupungco AR. (2010). Innovations in Seed Systems for Potential Biotechnology Products: The Case of Genetically Modified Papaya in the Philippines. *Philipp. J. Crop Sci.* 35(1):80-91.
  - d. Valencia LD and **Magdalita PM**. (2010). Development of 'Mabini' jackfruit (*Artocarpus heterophyllus* Lamk.), a dual-purpose variety. *Philipp. J. Crop Sci.* 35(2):74-79.
11. **2009 International Publication Awards** given by the University of the Philippines, President's Awards for Academic Distinction, UP Diliman, Quezon City. Six papers were awarded as follows:
- a. **Magdalita PM**, Gonzales-Lee VRC and Pimentel RB. (2009). *Hibiscus* Hybrids Oblation Series: A Tribute to Outstanding University of the Philippines Alumnae for the University Centennial Year. *Philipp. J. Crop Sci.* 34(1):113-118.
  - b. **Magdalita PM** and Valencia LD. (2009). 'Roja' A Red and Sweet Rambutan (*Nephelium lappaceum* L.) Cultivar. *Philipp. J. Crop Sci.* 34(1):119-123.
  - c. **Magdalita PM** and Valencia LD. (2009). 'Amarillo' The First Philippine Yellow Variety of Rambutan (*Nephelium lappaceum* L.). *Philipp. J. Crop Sci.* 34(2):93-97.
  - d. Valencia LD and **Magdalita PM**. (2008). 'Red Princess' A New Variety of Cashew (*Anacardium occidentale* L.). *Philipp. J. Crop Sci.* 33(3):90-93.
  - e. Sta. Cruz PC, Magnaye AMA, **Magdalita PM**, Hautea DM. and Hautea RA. (2009). Transpiration rate and stomatal parameters of transgenic papaya conferred with papaya ringspot virus resistance. *Asia Life Sciences* 18(1):111-120.
  - f. Sta Cruz FC, Tañada JM, Elvira PV, Dolores LM, **Magdalita PM**, Hautea DM and Hautea RA. (2009). Detection of mixed virus infection with papaya ringspot virus (PRSV) in papaya (*Carica papaya*) grown in Luzon, Philippines. *Phil. J. Crop Sci.* 34(1):64-72.
12. **2008 Plaque of Appreciation in the field of Agriculture and Plant Breeding for creating the Hibiscus Hybrids – Centennial Series** awarded by the Quezon City Government during the Women's Month Celebration by the Quezon City Government, Diliman, Quezon City, March 3, 2008.
13. **2008 Best Poster Paper Award** given by the Philippine Phytopathological Society (Dolores LM, Dolores AKM, Sta Cruz FC, **Magdalita PM** and Hautea DM. 2008. Biological and molecular characterization of some papaya ringspot virus (PRSV) isolates in the Philippines. Poster paper presented to the 39<sup>th</sup> Pest Management Council of the Philippines Annual Scientific Conference, Puerto Princesa City, Palawan, May 9, 2008.
14. **2007 Second Best Poster Award** given by the Crop Science Society of the Philippines (CSSP), (**Magdalita, P.M.**, Oropesa, A.M.R., Valencia, L.D., Tarun, J.A.M. and Hautea, D.M. (2007). Phenotypic characterization and micropropagation of PRSV resistant transgenic lines derived from *Agrobacterium* transformation. Poster presented to 19<sup>th</sup> CSSP Conference. June 12-15, 2007, Tagaytay City.
15. **2006 International Publication Award** given by the University of the Philippines, (Drew, R.A., Siar, S.V., O'Brien, C.M., **Magdalita, P.M.** and Sajise, A.G.C. (2006). Breeding for papaya ringspot virus resistance in *Carica papaya* L. via hybridization with *Vasconcella quercifolia*. *Australian Journal of Experimental Agriculture* 46:413-418. President's Awards for Academic Distinction, UP Diliman, Quezon City.
16. **2004 Best Poster Paper Award** given by the Philippine Society for Biochemistry and Molecular Biology (PSBMB), (**Magdalita P.M.**, Laurena, A.C., Perez, M.T.M. and Comia, R.L. (2004). Poster presented at the 31<sup>st</sup> Annual Convention of the PSBMB, December 3-4, 2004, Dumaguete City.
17. **2003 International Publication Award** given by the University of the Philippines (Sept1, 2003 & March 17, 2004) for 2 papers:
- a) **Magdalita, P.M.** and Adkins, S.W. 2003. Growth of papaya nodal and rooted shoot shoot cultures as affected by ACC, STS, culture vessel size and incubation conditions. *Philippine Agricultural Scientist* 86:6-12), The President's Awards for Academic Distinction, UP Diliman, Quezon City..
  - b) **Magdalita, P.M.**, Laurena, A.C., Yabut-Perez, B.M., Zaporteza, M.M., Mendoza, E.M.T., Villegas, V.N. and Botella, J.R. (2003). Towards transformation, regeneration,

- and screening of papaya containing antisense ACC synthase gene. In: Vasil, I.K. (Ed.). Plant Biotechnology 2002 and Beyond. Kluwer Academic Publishers, Dordrecht, The Netherlands. pp. 323-327. Proceedings of 10<sup>th</sup> International Association for Plant Tissue Culture and Biotechnology Congress, Orlando, Florida, USA, June 23-28, 2002.
18. **2003 Department of Agriculture Secretary's Award** (Research & Development Paper Published in an Institute for Scientific Information – Current Contents Journal)(**Magdalita, P.M.** and Adkins, S.W. 2003. Growth of papaya nodal and rooted shoot shoot cultures as affected by ACC, STS, culture vessel size and incubation conditions. Philippine Agricultural Scientist 86:6-12), 16<sup>th</sup> Bureau of Agricultural Research Anniversary, Diliman, Quezon City, October 9, 2003.
  19. **2001 International Publication Award** given by the University of the Philippines for 2 papers:
    - a) **Magdalita, P.M.**, Villegas, V.N., and Aquino, A.L. 2002. Fruit characteristics of 'Aguinaldo', the first processing type of guayabano (*Annona muricata*) variety. The Philippine Agricultural Scientist 84:432-434). The President's Awards for Academic Distinction, UP Diliman, Quezon City. March 13, 2002.
    - b) **Magdalita, P.M.**, Villegas, V.N., and Aquino, A.L. (2001). Fruit characteristics of 'Mapino', a newly released chico (*Manilkara zapota* L.) variety. The Philippine Agricultural Scientist 84:221-223.
  20. **2000 Best Paper Award** in Phytopathology given by the Philippine Phytopathological Society (PPS), (**Magdalita, P.M.**, Drew, R.A., and Adkins, S.W. (2001). Breeding for Resistance to Papaya Ringspot Virus), Paper presented to the Annual Convention of the Philippine Phytopathological Society, Baguio City, May 3-6, 2000.
  21. **1989 Best Paper Award** in Phytopathology given by the Philippine Phytopathological Society (PPS), (**Magdalita, P.M.**, Opina, O.S., Espino, R.R.C. and Villegas, V.N. (1989). Epidemiology of Papaya Ringspot in the Philippines). Oral paper presented to the Annual Convention of the Pest Management Council of the Philippines (PMCP), Baguio City, May 1989.
  22. **2000 Best Poster Paper Award** given by the Crop Science Society of the Philippines (CSSP), (Villegas, V.N., **Magdalita, P.M.** and Sajise, G.C. (2000). Phenotypic Characterization of Selected Papaya F<sub>1</sub> Hybrids Derived from a Diallel Cross), Poster paper presented to the Annual Convention of the Crop Science Society of the Philippines, Batac, Ilocos Norte, May 2-7, 2000.
  23. **2001 Outstanding Research & Development Award in Advanced Science and Technology** (Molecular Strategy to Develop Long Shelf-life Papaya) awarded by Philippine Council for Advanced Science, Technology Research & Development (PCASTRD), Manila Diamond Hotel, December 2001.
  24. **2000 Best Poster Award** given by the National Academy of Science and Technology (NAST), (Laurena, A.C, **Magdalita, P.M.**, Perez, B.M, Mendoza, E.M.T., Villegas, V.N. and Botella, J.R. (2000).Control of Ripening in Papaya by Genetic Engineering, Poster paper presented to the Annual Scientific Meeting of NAST, Manila Hotel, July 5-6, 2000.
  25. **2001 Second Best Poster Paper** given by the Philippine Society of Biochemistry and Molecular Biology (PSBMB), (**Magdalita, P.M.**, Laurena, A.C., Yabut-Perez, B.M., Villegas, V.N., Mendoza, E.M.T. and Botella, J.R. (2000). Transformation of Papaya Using Antisense ACC synthase Gene, Poster paper presented to the Annual Convention of the Phil. Society of Biochemistry and Molecular Biology, UST, Manila, December 3-4, 2001.
  26. **2001 Outstanding Research Team** - Member (University Level – Institute of Plant Breeding Plant Biotechnology Program), University of the Philippines Los Baños, March 2001.
  27. **Outstanding Student in Academics** (1981) awarded by the College of Agriculture, Luzonian University Foundation, Lucena City
  28. **College Scholar** (1978-1982) awarded by the College of Agriculture, Luzonian University Foundation, Lucena City
  29. **Salutatorian** (1978) awarded by the Marinduque School of Arts and Trades, Boac, Marinduque
  30. **Valedictorian** (1974) awarded by the Balagasan Elementary School, Balagasan, Boac, Marinduque
  31. **2009 Outstanding Alumnus Award** given by the Manuel S. Enverga University Foundation, Lucena City, April 2009.
  32. **2003 Outstanding Alumnus in Agriculture** given by the Marinduque State College, Boac, Marinduque, March 2003.
  33. **2001 Outstanding Alumnus** given by the Balagasan Elementary School, Boac, Marinduque

**A) Referred Papers Published in ISI, international and national journals and chapters in a book:**

**Magdalita PM**, Cayaban MFH, Gregorio MT and Silverio JV. (2016). Development and characterization of nine new Hibiscus hybrids. *The Philippine Journal of Crop Science* 41(2):31-45.

**Magdalita PM**, Dela Cueva FM, Waje AF, Justo VP and Vawdrey L. (2016). Regrowth and genotype differences in papaya infected with bacterial crown rot. *Journal of Tropical Plant Pathology* 52(1):1-22.

Dolores LM, Gonzales MC, Retuta YM and **Magdalita PM**. (2016). Isolation and identification of Hibiscus Chlorotic Ringspot Virus (HCRSV) infecting Gumamela (*Hibiscus rosa-sinensis*) in the Philippines. *International Journal of Biosciences* 8(2):149-158.

Dolores LM, Gonzales MC, Retuta YM and **Magdalita PM**. (2016). Isolation and identification of Hibiscus Chlorotic Ringspot Virus (HCRSV) infecting Gumamela (*Hibiscus rosa-sinensis*) in the Philippines. *International Journal of Biosciences* 8(2):149-158.

Magdalita PM, Damasco OP, Samosir YMS, Mashud N, Novariento H, Rillo EP, My Lien VT, Kembu A, Faure M and Adkins SW. (2015). An enhanced embryo culture methodology for coconut (*Cocos nucifera* L.). *International Journal of Innovation Science and Research* 4(10):485-493.

Magdalita PM and Saludes RB. (2015). Influence of changing rainfall patterns on the yield of rambutan (*Nephelium lappaceum* L.) and selection of genotypes in known drought-tolerant fruit species for climate change adaptation. *Science Diliman* 27(1):64-90.

Magdalita PM, Sotto RC and Coronel RE. (2015). “Lovi-lovi” (*Flacourtia inermis* Roxb.), a promising fruit introduced in the Philippines. *Philippine Journal of Crop Science* 40(2):85-90.

Magdalita PM, Abrigo MIKM and Coronel RE. (2014). Phenotypic evaluation of some promising rare fruit crops in the Philippines. *Philippine Science Letters* 7(2):376-386.

Magdalita PM, Torreta NK and Sotto RC. (2014). Characterization of phenotypic variation in selected croton [*Codiaeum variegatum* (L.) Rumph. Ex. A. Juss.] varieties and natural mutants. *Journal of Nature Studies* 13(2):41-56.

Dolores LM, Gonzales MC and Magdalita PM. (2014). Isolation and identification of a begomovirus associated with the leaf curl disease of gumamela in the Philippines. *Asian Journal of Agriculture and Food Science* 2(6):566-576.

**Magdalita, P.M.**, Laurena, A.C., and Perez MTM. (2013). Cloning and characterization of partial 1-aminocyclopropane -1-carboxylate oxidase gene and antisense transformation into yellow ‘Solo’ papaya via *Agrobacterium tumefaciens*. *Journal of International Soc. Southeast Asian Agric. Sci.* 19(1):63-76.

**Magdalita PM** and Pimentel RB. (2013). Development of hibiscus hybrids ‘Women in Public Service Series II and propagation studies on *Hibiscus rosa-sinensis* ‘Cynthia A. Villar’. *Philipp. Sci. Letters*. 6(1):39-56.

**Magdalita, P.M.**, De Leon MJC, Sotto RC and Ponce KS. (2013). Occurrence of pigmented flowers and variation in other morphological traits of irradiated and unirradiated sampaguita (*Jasminum sambac* L. Sol.). *J. Nature Studies* 12(2):45-53. (Research Note)

Narciso JO, **Magdalita, P.M.**, Quilloy RB, Beltran MM, Navarro RS and Magpantay MH. (2013). Farmers’ participatory seed production of IPB-bred varieties in relation to climate change adaptation. *J. Environ. Sci Management* 16(1):63-71.

Retuta AMO, **Magdalita, P.M.**, Aspuria ET and Espino RRCE. (2012). Evaluation of selected transgenic papaya (*Carica papaya* L.) lines for inheritance of resistance to papaya ringspot virus and horticultural traits. *Plant Biotech.* 29(4):339-349.

Pascual CB and **Magdalita PM.** (2012). Disease identification and in situ screening of gumamela (*Hibiscus rosa-sinensis* Linn.) germplasm and hybrids to leaf anthracnose for disease resistance breeding. *Philipp. Sci. Letters.* 5(2):158-168.

Coronel RE, Sotto RC and **Magdalita PM.** (2012). Araza (*Eugenia stipitata* McVaugh, Myrtaceae): A new fruit crop in the Philippines. *Philipp. J. Crop Sci.* 37(1):57-60. (Research Note)

**Magdalita PM,** Valencia LD and Villegas VN. (2011). Cloning of *papaya ringspot virus* coat protein gene and transformation of 'Solo' papaya through microprojectile bombardment. *Philipp. J. Crop Sci.* 36(3):45-56.

Valencia LDCand **Magdalita PM.** (2011). Lemongrass [*Cymbopogon citratus* (DC.) Stapf.] oil: Potential biocontrol agent against major fungal pathogens of gumamela (*Hibiscus rosa-sinensis* L.). *Philipp. J. Crop Sci.* 36(3):70-75. (Research Note)

**Magdalita PM,** Gonzales-Lee VRC, and Pimentel RB. (2011). Development and horticultural characteristics of Hibiscus hybrids 'Women in Public Service Series'. *Philipp. J. Crop Sci.* 32(2):56-62.

**Magdalita PM,** Damasco OP and Adkins SW. (2010). Effects of medium replenishment and acclimatization techniques on growth and survival of embryo cultured coconut seedlings. *Philipp. Sci. Lett.* 3(2):1-9.

**Magdalita PM,** Damasco OP and Adkins SW. (2010). Effects of chemical and physical treatments on the in vitro germination and growth of 'Laguna Tall' coconut embryos. *Philipp. J. Crop Sci.* 35(3):41-49.

Mendoza-Garces AC, **Magdalita PM,** Mendioro MS, Dela Cruz FS, Villegas VN. (2010). Morphological, cytological, biochemical and molecular characterization of *Carica papaya* L., *Vasconcellea quercifolia* (St. Hil.) Hieron and their intergeneric hybrid. *Philipp. J. Crop Sci.* 35(2):1-11.

Rola AC, Elazegui DD, Nguyen MR, **Magdalita, PM,** Dumayas EE and Chupungco AR. (2010). Innovations in Seed Systems for Potential Biotechnology Products: The Case of Genetically Modified Papaya in the Philippines. *Philipp. J. Crop Sci.* 35(1):80-91.

Valencia LDand **Magdalita PM.** (2010). Development of 'Mabini' jackfruit (*Artocarpus heterophyllus* Lamk.), a dual-purpose variety. *Philipp. J. Crop Sci.* 35(2):74-79.

Ines MBC, **Magdalita PM,** Dela Viña CD, Dela Cruz Jr FS and Villegas VN. (2009). Randomly Amplified Polymorphic DNA (RAPD) Analysis to Reveal Genetic Relationships Among Pineapple (*Ananas comosus* (L.) Merr.) Genotypes. *Philipp. J. Crop Sci.* 34(3):1-10.

**Magdalita PM,** Gonzales-Lee VRC and Pimentel RB. (2009). *Hibiscus* Hybrids Oblation Series: A Tribute to Outstanding University of the Philippines Alumnae for the University Centennial Year. *Philipp. J. Crop Sci.* 34(1):113-118.

**Magdalita PM** and Valencia LD. (2009). 'Roja' A Red and Sweet Rambutan (*Nephelium lappaceum* L.) Cultivar. *Philipp. J. Crop Sci.* 34(1):119-123.

**Magdalita PM** and Valencia LD. (2009). 'Amarillo' The First Philippine Yellow Variety of Rambutan (*Nephelium lappaceum* L.). *Philipp. J. Crop Sci.* 34(2):93-97.

Valencia LD and **Magdalita PM.** (2008). 'Red Princess' A New Variety of Cashew (*Anacardium occidentale* L.). *Philipp. J. Crop Sci.* 33(3):90-93.

Sta. Cruz PC, Magnaye AMA, **Magdalita PM**, Hautea DM and Hautea RA. (2009). Transpiration rate and stomatal parameters of transgenic papaya conferred with papaya ringspot virus resistance. *Asia Life Sciences* 18(1):111-120.

Sta. Cruz FC, Tañada JM, Elvira PV, Dolores LM, **Magdalita PM**, Hautea DM and Hautea RA. (2009). Detection of mixed virus infection with papaya ringspot virus (PRSV) in papaya (*Carica papaya*) grown in Luzon, Philippines. *Phil. J. Crop Sci.* 34(1):64-72.

**Magdalita, P.M.**, Valencia, L.D., Mercado, C.P. and Duka, I.M.A. (2007). Recent developments in papaya breeding in the Philippines. *Acta Horticulturae* 740:49-60.

Drew, R.A., Siar, S.V., O'Brien, C.M., **Magdalita, P.M.** and Sajise, A.G.C. (2006). Breeding for papaya ringspot virus resistance in *Carica papaya* L. via hybridization with *Vasconcella quercifolia*. *Australian Journal of Experimental Agriculture* 46:413-418.

**Magdalita, P.M.** and Valencia, L.D. (2004). Fruit variability and correlation analysis of some phenotypic characters in avocado, rambutan and sweetsop. *Philippine Agricultural Scientist* 86:6-12. (Research Note)

**Magdalita, P.M.** and Adkins, S.W. (2003). Growth of papaya nodal and rooted shoot shoot cultures as affected by ACC, STS, culture vessel size and incubation conditions. *Philippine Agricultural Scientist* 86:6-12.

**Magdalita, P.M.**, Laurena, A.C., Yabut-Perez, B.M., Zaporteza, M.M., Mendoza, E.M.T., Villegas, V.N. and Botella, J.R. (2003). Towards transformation, regeneration, and screening of papaya containing antisense ACC synthase gene. In: Vasil, I.K. (Ed.). *Plant Biotechnology 2002 and Beyond*. Kluwer Academic Publishers, Dordrecht, The Netherlands. pp. 323-327. Proceedings of 10<sup>th</sup> International Association for Plant Tissue Culture and Biotechnology Congress, Orlando, Florida, USA, June 23-28, 2002.

**Magdalita, P.M.** and Mercado, C.P. (2003). Determining the sex of papaya for improved production. *Food and Fertilizer Technology Center Bulletin (Taiwan)* 534:1-11.

**Magdalita, P.M.**, Laurena, A.C., Yabut-Perez, B.M., Mendoza, E.M.T. and Villegas, V.N. (2002). Progress in the development of transgenic papaya: Transformation of Solo papaya using ACC synthase antisense construct. *Acta Horticulturae* 575:171-176.

Laurena, A.C., **Magdalita, P.M.**, Hidalgo, M.S.P., Villegas, V.N. and Mendoza, E.M.T. (2002). Cloning and molecular characterization of ripening-related ACC synthase from papaya fruit (*Carica papaya* L.). *Acta Horticulturae* 575:163-169.

**Magdalita, P.M.**, Villegas, V.N., and Aquino, A.L. (2001b). Fruit characteristics of 'Aguinaldo', the first processing type of guayabano (*Annona muricata*) variety. *The Philippine Agricultural Scientist* 84:432-434.

**Magdalita, P.M.**, Drew, R.A., and Adkins, S.W. (2001). Breeding for resistance to papaya ringspot virus. *Journal of Tropical Plant Pathology* 37:1-15.

**Magdalita, P.M.**, Villegas, V.N., and Aquino, A.L. (2001a). Fruit characteristics of 'Mapino', a newly released chico (*Manilkara zapota* L.) variety. *The Philippine Agricultural Scientist* 84:221-223.

**Magdalita, P.M.**, Drew, R.A., Godwin, I.D. and Adkins, S.W. (1998). Randomly amplified polymorphic DNA markers for a *Carica* interspecific hybrid. *Acta Horticulturae* 461:133-140.

**Magdalita, P.M.**, Drew, R.A., Godwin, I.D. and Adkins, S.W. (1998). An efficient interspecific hybridisation protocol for a *Carica papaya* L. x *C. cauliflora* Jacq. Australian Journal of Experimental Agriculture 38:523-530.

Drew, R.A., O'Brien, C.M. and **Magdalita, P.M.** (1998). Development of interspecific *Carica* hybrids. Acta Horticulturae 461:285-291.

**Magdalita, P.M.**, Drew, R.A., Adkins, S.W. and Godwin, I.D. (1997). Morphological, molecular and cytological analyses of *Carica papaya* x *C. cauliflora* interspecific hybrids. Theoretical and Applied Genetics 95:224-229.

**Magdalita, P.M.**, Persley, D.M., Godwin, I.D., Drew, R.A. and Adkins, S.W. (1997). Screening *Carica papaya* x *C. cauliflora* hybrids for resistance to papaya ringspot virus type-P. Plant Pathology 46:837-841.

**Magdalita, P.M.**, Godwin, I.D., Drew, R.A. and Adkins, S.W. (1997). Effect of ethylene and culture environment on papaya nodal culture development. Plant Cell Tissue and Organ Culture 49:93-100.

**Magdalita, P.M.**, Adkins, S.W., Godwin, I.D. and Drew, R.A. (1996). An improved embryo-rescue protocol for a *Carica* interspecific hybrid. Australian Journal of Botany 44:343-353.

**Magdalita, P.M.**, Bayot, R.G. and Villegas, V.N. (1990). *Diplocyclos palmatus* L. Jeffrey: A new weed host of papaya ringspot virus. Philippine Journal of Crop Science 15:163-168.

Bayot, R.G., Villegas, V.N., **Magdalita, P.M.**, Jovellana, M.D., Espino, T.M. and Exconde, S.B. (1990). Seed transmissibility of papaya ringspot virus. Philippine Journal of Crop Science 15:107-111.

**Magdalita, P.M.**, Opina, O.S., Espino, R.R.C. and Villegas, V.N. (1989). Epidemiology of papaya ringspot virus in the Philippines. Philippine Phytopathology 25:1-11.

**Magdalita, P.M.**, Villegas, V.N., Pimentel, R.B. and Bayot, R.G. (1988). Reaction of papaya (*Carica papaya* L.) and related *Carica* species to ringspot virus. Philippine Journal of Crop Science 13:129-132.

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**Magdalita, P.M.**, Laurena, A.C., Yabut-Perez, B.M., Villegas, V.N., Mendoza, E.M.T. and Botella, J.R. (2001). Recent progress in the development of transgenic papaya containing the antisense ACC synthase gene. Poster presented at the World Conference on Science and Technology. Manila Hotel, September 13-15, 2001.

**Magdalita, P.M.**, Dizon, T.O., Valencia, L.D. and Reyes, L.A. (2001). Embryo/ovule culture and on-site selection in woody fruit species. Poster presented at the 23<sup>rd</sup> Annual Scientific Meeting of the National Academy of Science and Technology, Manila, July 11-12, 2001.

Laurena, A.C., **Magdalita, P.M.**, Perez, B.M, Mendoza, E.M.T., Villegas, V.N. and Botella, J.R. (2000). Control of ripening in papaya by genetic engineering. Poster presented at the 22<sup>nd</sup> NAST Meeting, Manila Hotel, July 5-6, 2000.

**Magdalita, P.M.**, Villanueva, L.L., Valencia, L.D., Orawan, C. and Villegas, V.N. (2000). Transformation of papaya to develop resistance to PRSV by microprojectile bombardment. Poster presented at the PMCP, Baguio City, May 3-6, 2000.

Villegas, V.N., **Magdalita, P.M.** and Sajise, G.C. (2000). Phenotypic characterization of selected papaya F1 hybrids derived from a diallel cross. Poster presented at the Crop Science Society Meeting held in Batac, Ilocos Norte, May 2-7, 2000.

Villegas, V.N., **Magdalita, P.M.** and Aquino, A.L. (2000). Selection and evaluation of a processing variety of guayabano. Poster presented at the Crop Science Society Meeting held in Batac, Ilocos Norte, May 2-7, 2000.

Adkins, S.W., Bellairs, S., Davidson, P., **Magdalita, P.M.**, Farley, G., Doyle, J, and Preston, C. (1999). Dormancy mechanisms of Australian native species. Poster presented at the Grains Research and Development Corporation Meeting, Brisbane, Australia, March 5, 1999.

Nas, T.M., Siar, S.V., Villegas, V.N. and **Magdalita, P.M.** (1998). Meiotic behavior and pollen fertility in *Carica papaya* x *C. quercifolia* interspecific hybrid. Poster presented at the 15<sup>th</sup> Annual Scientific Conference of the Federation of Crop Science Societies of the Philippines held in Cebu City, May 10-15, 1998.

**Magdalita, P.M.**, Adkins, S.W., Godwin, I.D. and Drew, R.A. (1994). Development of techniques for interspecific hybridization in *Carica*. Poster presented at the 34<sup>th</sup> Australian Society of Plant Physiologists Meeting held in Gold Coast, Queensland, Australia, September 1994.

Adkins, S.W. and **Magdalita, P.M.** (1994). The gaseous envelope: Effect of ethylene on culture performance. Poster presented at the VIII<sup>th</sup> International Congress of Plant Tissue and Cell Culture held in Florence, Italy, June 1994.

#### **Reviews Undertaken for International Journals:**

Occurrence and control of root knot nematode in different crops: A review for Australian Journal of Crop Science, September 16, 2015

Conducting an appraisal in urban parks for managing trees by CAVAT (Capital Asset Value for Amenity Trees) Method for International Journal of Agriculture and Biosciences, March 29, 2015

Differential behaviour of sheath blight pathogen *Rhizoctonia solani* in resistant and susceptible rice varieties before and during infection for Plant Pathology, November 26, 2014

Importance of structural integrity of somatic embryos for the long-term cryopreservation of cocoa (*Theobroma cacao* L.) germplasm for African Journal of Agricultural Research, April 28, 2011

Growth, yield and fruit quality of three papaya cultivars grown under protected cultivation for Fruits (France), April 12, 2011

Genetic diversity in papaya (*Carica papaya*) accessions in Nigeria: Multivariate analysis of morphological and horticultural trait characteristics for Fruits (published in Montpellier, France), June 17, 2011

Optimization of transient  $\beta$ -glucuronidase (*gus*) gene expression in teak (*Tectona grandis* L. f.) by *Agrobacterium tumefaciens*-mediated transformation system for International Society for Southeast Asian Agricultural Sciences, July 30, 2012

Expression of cholesterol oxidase gene in a bacterium *E. coli* M 15 (pREP4) for Thai Journal of Agricultural Science, April 30, 2003

*Agrobacterium*-mediated transformation of mungbean (*Vigna radiata* (L.) Wilczek) for Thai Journal of Agricultural Science, September 27, 2002

#### **Reviews Undertaken for Journals Published in the Philippines:**

Relationship between chlorophyll meter readings and leaf nitrogen concentration in papaya for Philippine Journal of Crop Science, November 9, 2015

Genetic diversity of lagundi (*Vitex negundo* L.) in the Philippines using inter-simple sequence repeats (ISSR) marker analysis for Journal of Nature Studies, March 26, 2015

New combinations in *Rothmannia* (Rubiaceae) and the establishment of the genus in the Philippine Flora for Philippine Science Letters, October 2, 2012



Genetic diversity analysis of Philippine bananas using simple sequence repeats markers for Philippine Journal of Crop Science, February 1, 2011

Plant regeneration from cell culture suspension cultures of banana cv. Saba via somatic embryogenesis for Philippine Journal of Crop Science, March 8, 2009

Diversity index and correlation analyses as tools in the breeding of selected vegetables for Philippine Journal of Crop Science, September 25, 2009

Use of GUS reporter gene to study the interaction between plant growth promoting bacteria and legumes for Philippine Journal of Crop Science, February 4, 2005

Induction of in vitro shoot proliferation and rooting of axillary buds of pineapple cv Queen (*Ananas comosus* (L.) Merr.) for Philippine Agricultural Scientist, March 24, 2003

Transgenic plant regeneration of elite new plant type rice lines through *Agrobacterium tumefaciens*-mediated transformation of young inflorescence for Philippine Agricultural Scientist, March 27, 2003

Evaluation of the fertility restoring ability of RF-PPRS 592 in *Petunia* for Philippine Agricultural Scientist, March 27, 2003

#### **Popular articles published: (10)**

Magdalita, P.M. (2012). A guide in growing 'papayang-uwak' (*Carica papaya* L.). Los Baños, Laguna:PCAARRD-DOST, 18 p. – (Information Bulletin No. 01/2012)

Magdalita, P.M. (1989). Epidemiology of papaya ringspot virus in the Philippines. *Philippine Plant Breeding* 3:4-6.

Magdalita, P.M. (1999). Tips on growing hybrid 'Sinta' papaya. *Fruit News* 2(2):15.

Magdalita, P.M. (2002). PPS conducts Seminar Workshop on the Use of Biotechnology for Biological Science. *Pathologue Newsletter* 5(1):4.

Magdalita, P.M. (2002). PPS faces new challenges for 2001-2002. *Pathologue Newsletter* 5(1):2.

Magdalita, P.M., Villegas, V.N., Aquino, A.L. and Comia, R.L. (2005). "Aguinaldo": IPB selected variety for guyabano juiced. *AgriNotes*. UP Los Banos, College of Agriculture. ISSN:1655-9258 Number: 2005-06-11. 4pp.

Magdalita, P.M., Villegas, V.N., Aquino, A.L. and Oropesa, A.M.R. (2005). "Mapino": a new selected chico variety. *AgriNotes*. UP Los Banos, College of Agriculture. ISSN:1655-9258 Number: 2005-07-11. 4pp.

Magdalita, P.M. and Valencia, L.D. (2009). 'Roja', a red and sweet rambutan. *Aggie Green and Gold* Vol. 10 (2):12, ISSN 1655924X, UPLB-CA, College, Laguna.

Magdalita, P.M. and Valencia, L.D. (2009). IPB presents 'Roja', a red and sweet rambutan. *AgriNotes*. UP Los Banos, College of Agriculture. ISSN:1655-9258 Number: 2009-07-33. 4pp.

Magdalita, P.M., Gonzales-Lee, VRC and Pimentel, R.B. (2009). IPB presents Hibiscus hybrids Oblation Series. *AgriNotes*. UP Los Banos, College of Agriculture. ISSN:1655-9258 Number: 2009-07-32. 4pp.

**Membership in Editorial Board:**

**Journal of Nature Studies**, UP Open University, UPLB, College, Laguna, Philippines, January 4, 2015 – to date

**PRISM Journal**, Negros Oriental State University, Dumaguete City, Philippines, May 4, 2016 - continuing

**Asian Journal of Natural and Applied Science**, Daikichite, 1309-55 Tamado, Chikusei-Shi, Ibaraki-Ken 308-0847, Japan, April 7, 2016-continuing

**Creative Output: Member of a team that released 6 fruit varieties that were registered with the National Seed Industry Council (NSIC).**

**Patent:**

Philippine Patent N. 1-2008-000215 ACC oxidase gene and its use, Issued: March 3, 2015, 20 years

**Fruits: (6)**

1. 'Mapino' chico – flesh is very fine and very sweet
2. 'Aguinaldo' guyabano (team member) – ideal processing variety, high edible portion
3. 'Amarillo' rambutan – first yellow variety, very sweet
4. 'Roja' rambutan – very sweet and juicy
5. 'Mabini' jackfruit (team member) – very sweet, large fruit, bright yellow orange flesh
6. 'Sinta' hybrid papaya (team member) – moderately tolerant to papaya ringspot virus, very sweet, prolific bearer

**Hybrid varieties of hibiscus that were registered to National Seed Industry Council: (26)**Oblation Series (6)

1. *Hibiscus rosa-sinensis* 'Emerlinda R. Roman' – yellow with red eye and brown halo; First Woman President of the University of the Philippines System
2. *Hibiscus rosa-sinensis* 'Estrella F. Alabastro' – pinkish white; First Woman Secretary of the Department of Science and Technology
3. *Hibiscus rosa-sinensis* 'Perla Santos-Ocampo' – dark orange; First Woman President of the National Academy of Science and Technology
4. *Hibiscus rosa-sinensis* 'Nelia T. Gonzales' – light orange with yellow edges; First Woman President of the University of the Philippines Los Baños Alumni Association
5. *Hibiscus rosa-sinensis* 'Betty Go-Belmonte' – canary yellow with red eye; First Woman Publisher of the Philippine Star
6. *Hibiscus rosa-sinensis* 'Mercedes B. Concepcion' – lemon yellow with red starry eye; First Woman Demographer of the Philippines

Women in Public Service Series (14)

1. *Hibiscus rosa-sinensis* 'Rosa Rosal' – dark red with dark pink eye; founder of Philippine Red Cross
2. *Hibiscus rosa-sinensis* 'Kristie Kenny' – bluish pink with red eye; US Ambassador to the Philippines
3. *Hibiscus rosa-sinensis* 'Loren Legarda' – orange and yellow flowers
4. *Hibiscus rosa-sinensis* 'Lilia B. de Lima' – yellow petals and maroon eye
5. *Hibiscus rosa-sinensis* 'Marilyn D. Marañon' – lemon yellow petals and white eye
6. *Hibiscus rosa-sinensis* 'Domini M. Torrevillas' – dark orange petals
7. *Hibiscus rosa-sinensis* 'Cynthia A. Villar' – tangerine orange
8. *Hibiscus rosa-sinensis* 'Sylvia Lina' – neyrose pink
9. *Hibiscus rosa-sinensis* 'Arlene B. Arcillas' – carmine rose pink
10. *Hibiscus rosa-sinensis* 'Connie S. Angeles' – orpiment orange
11. *Hibiscus rosa-sinensis* 'Maria Rosario O. Montejo' – red orange
12. *Hibiscus rosa-sinensis* 'Che-che Lazaro' – carrot red
13. *Hibiscus rosa-sinensis* 'Vilma Abaya-Dimacuha' – canary yellow
14. *Hibiscus rosa-sinensis* 'Helena Z. Benitez' – light cerise pink

Women in Science Series (3)

1. *Hibiscus rosa-sinensis* ‘Solita Camara Besa’ – old rose flowers
2. *Hibiscus rosa-sinensis* ‘Ledevina Cariño’ – dark orange flowers
3. *Hibiscus rosa-sinensis* ‘Fe del Mundo’ – apricot orange flowers

Women in the Arts Series (1)

1. *Hibiscus rosa-sinensis* ‘Araceli A. Dans’ – nasturtium orange

Women Saints Series and Institutions named after them (1)

1. *Hibiscus rosa-sinensis* ‘Saint Bridget College’ - bluish

UPLB Beauty Queen Series (1)

1. *Hibiscus rosa-sinensis* ‘Ariella Arida’ – lemon yellow

**Protocols and Genes for patenting: (5)**

1. Transformation Protocol to develop transgenic papaya with resistance to virus
2. Embryo Rescue/Culture & Somatic embryogenesis Protocol for Papaya to save valuable genetic materials of papaya
3. Two genes for aminocyclopropane-1-carboxylic acid (ACC) (team member) to be used for developing papaya with delayed ripening characteristics – registered to the GenBank in Maryland, USA
4. Gene for ACC oxidase (team member) to be used for developing papaya with delayed ripening characteristics – registered to the GenBank in Maryland, USA
5. Gene of the coat protein of papaya ringspot virus to be used for developing papaya with resistance to PRSV - registered to the GenBank in Maryland, USA

**On-going and completed Projects with International, National and Local Funding (as project & study leader): (21)****On-going: (7)**

Field trial and technology piloting of new papaya ringspot virus tolerant papaya F1 hybrids (February 2015-January 2018)

INTEGRATED DISEASE MANAGEMENT STRATEGIES FOR THE PRODUCTIVE, PROFITABLE AND SUSTAINABLE PRODUCTION OF HIGH QUALITY PAPAYA FRUIT IN THE SOUTHERN PHILIPPINES AND AUSTRALIA (March 2014-February 2017)

Micropropagation and artificial seed production of candidate PRSV-Tolerant and Table –type papaya inbreds and hybrids for field trials and variety release (February 2012-March 2018)

EMBRYO CULTURE AND IRRADIATION STUDIES TO IMPROVE SOME NATIVE PHALAEOPSIS SPECIES (May 2014-April 2016)

Selection/breeding known drought-resistant, pest/disease resistant and flood-tolerant species for climate change adaptation (October 2013-September 2014).

Sinta Technology: Further Improvements for Commercial Seed Production Phase II (January 1, 2012-December 31, 2014)

Mass Production and Propagation of the *Hibiscus rosa-sinensis* (‘Arlene B. Arcillas’) (July 2012-June 2014)

Papaya variety development for climate change adaptation (January 2013-December 2015)

Breeding and selection of hardy fruit crops: avocado, santol, macopa, sineguelas, caimito, rambutan, saba, duhat, granada, bitungol, chico and others for climate change adaptation and health and wellness (January 2013-December 2015)

Breeding and selection of ornamental crops: Hibiscus, canna, crotons, sampaguita, ixora and phalaenopsis for climate change adaptation (January 2013-December 2015) (Project Leader)

**Completed: (14)**

Mass Production and Propagation of the *Hibiscus rosa-sinensis* (St. Bridget College) funded by the St. Bridget College, Batangas City (Project Leader)

Mass Production and Propagation of the *Hibiscus rosa-sinensis* funded by the Las Piñas City Government, March 2011-Feb 2012 (Project Leader)

Sinta Technology: Further Improvements for Commercial Seed Production (Phase I) funded by the University of the Philippines Los Baños Foundation, Inc. (UPLBFI), October 2008-September 2011. (Project Leader)

Sinta Franchising with East-West Seed Co., Inc. (2009-2013) (Project Leader)

Development of transgenic papaya with delayed ripening characteristics containing the antisense Aminocyclopropane-1-Carboxylic Acid (ACC) oxidase gene via *Agrobacterium*-mediated transformation funded by the Philippine Council for Agriculture, Forestry Resources Research and Development (PCARRD) and Department of Science and Technology (DOST), August 2002-June 2008. (Project & Study Leader)

*Agrobacterium*-mediated transformation of Philippine papaya for papaya ringspot virus resistance (PRSV) resistance funded by Philippine Council for Agriculture, Forestry Resources Research and Development (PCARRD), Department of Science and Technology (DOST), and Agricultural Biotechnology Support Project II (ABSP II), May 2004-June 2008. (Project & Study Leader)

Acclimatization and Ex-vitro Seedling Establishment of Tissue-Cultured Derived Coconut (under the project "Coconut Tissue Culture and Safe Germplasm Exchange) funded by the Australian Center for International Agricultural Research (ACIAR), Canberra, Australia, March 2002-February 2006. (Project & Study Leader)

Development of Ringspot Virus Resistant Papaya Through Genetic Engineering funded by Philippine Council for Agriculture, Forestry Resources Research and Development (PCARRD) and Department of Science and Technology, May 1999-May 2003. (Study Leader)

Control of Ripening in Papaya and Mango by Genetic Engineering funded by the Australian Center for International Agricultural Research (ACIAR), Canberra, Australia, and PCARRD-DOST, April 1997-March 2003. (Post-doctoral fellow & Study Leader)

Control of Papaya Ringspot Virus in the Philippines by the Development of PRSV Resistant Hybrids funded by the Australian Center for International Agricultural Research (ACIAR), 1993-1997. (Ph D Student & Study Leader)

Avocado Rootstock Resistant to *Phytophthora* Root Rot in Cell Cultures funded by the Israel Government, 1996-1997. (Study Leader)

Varietal Development in Pineapple funded by Philippine Council for Agriculture Resources Research and Development (PCARRD)-Department of Science and Technology (DOST), 1997-1999. (Study Leader)

Varietal Development in Fruits with Improved Processing Qualities: Guava, Guyabano and Passionfruit funded by PCARRD-DOST, 1997-1999. (Sub-project Leader)

Varietal Development in Papaya funded by PCARRD-DOST, July 1996 – February 2002 (Study Leader)

**International Fellowship/Training/Study Visit: (17)**

2005 Speaker at the 1<sup>st</sup> International Symposium on Papaya at the Genting Highlands, Malaysia, November 22-24, 2005, sponsored by the International Service for the Acquisition of Agri-Biotech Application (ISAAA).

2005 Speaker at the Annual Review of the Australian funded project “Coconut Tissue Culture and Safe Germplasm Exchange”, Manado, Indonesia, October 2005, sponsored by the Australian Center for International Agricultural Research, Canberra, Australia.

2004 International Training Program on Intellectual Property Rights and Technology Transfer at the Michigan State University College of Law and College of Agriculture and Natural Resources, East Lansing, Michigan, USA, June 10-16, 2004, sponsored by ISAAA and Michigan State University, USA.

2004 Study Visit on Papaya at the University of Hawaii, United States Department of Agriculture and Big Island, Honolulu, Hawaii, USA, July 17-23, 2004, sponsored by the International Service for the Acquisition of Agri-Biotech Application (ISAAA).

2004 Speaker and Paper Presentor at the 4<sup>th</sup> International Crop Science Congress in Brisbane, Australia, September 26-October 1, 2004, sponsored by the Australian Center for International Agricultural Research, Canberra, Australia.

2004 International Training Course on Coconut Tissue Culture and Biotechnology at the University of Queensland, Brisbane, Australia, October 4-14, 2004, sponsored by the Australian Center for International Agricultural Research, Canberra, Australia.

2004 Speaker at the Midterm Review of the Australian funded project “Coconut Tissue Culture and Safe Germplasm Exchange”, Madang, Papua New Guinea, January 28-29, 2004, sponsored by the Australian Center for International Agricultural Research, Canberra, Australia.

2003 Speaker at the Annual Coordination and Technical Meeting of the Papaya Biotechnology Network of Southeast Asia, National Center for Genetic Engineering and Biotechnology, Kasetsart University and Siam City Hotel, Bangkok, Thailand, December 15-16, 2003, sponsored by the International Service for the Acquisition of Agri-Biotech Application (ISAAA).

2002 Speaker at the Annual Coordination and Technical Meeting of the Papaya Biotechnology Network of Southeast Asia, Port Dickson, Malaysia, October 7-9, 2002, sponsored by the International Service for the Acquisition of Agri-Biotech Application (ISAAA).

2001 Participant at the Training-Workshop on Agrobacterium Transformation of Papaya, Malaysian Agricultural Research and Development Institute, Selangor, Malaysia, January 14-19, 2001, sponsored by the International Service for the Acquisition of Agri-Biotech Application (ISAAA).

2001 Speaker at the Annual Coordination and Technical Meeting of the Papaya Biotechnology Network of Southeast Asia and participant to the Papaya Agronomy and Breeding Workshop, Institute of Biotechnology, Hanoi, Viet Nam, October 24-26, 2001.

2000 Speaker at the 10<sup>th</sup> International Association of Plant Tissue Culture & Biotechnology Congress (Florida Disneyland, Orlando, Florida, USA), June 23-28, 2002, sponsored by the International Association of Plant Tissue Culture & Biotechnology, USA.

2000 Speaker at the International Symposium on Tropical and Subtropical Fruits at Cairns, Australia, November 26-December 1, 2000, sponsored by the Australian Center for International Agricultural Research, Canberra, Australia.

2000 Speaker at the Coordination and Technical Meeting of the Papaya Biotechnology Network of Southeast Asia, Bangkok, Thailand, May 15-16, 2000, sponsored by the International Service for the Acquisition of Agri-Biotech Application (ISAAA).

1999 Participant at the Combined Biology Congress at Gold Coast, Queensland, Australia, September 26-30, 1999, sponsored by the Australian Center for International Agricultural Research, Canberra, Australia.

1997 Speaker at the International Symposium on Biotechnology of Tropical and Subtropical Species, Brisbane, Australia, September 29-October 5, 1997, sponsored by the Australian Center for International Agricultural Research, Canberra, Australia

1991 Participant at the International Training on Application of ELISA Technology in Agriculture and Food Science, Research Institute for Veterinary Sciences, Bogor, Indonesia, April 29-May 17, 1991, sponsored by the Crawford Fund for International Agricultural Research, Department of Agriculture, Victoria, Australia.

#### **Lectures delivered in seminar-workshops, trainings and symposia: (21)**

**Magdalita, P.M.** (2013). Embryo culture of papaya. Lecture delivered during the Training on crops research management and laboratory techniques for Project Leaders, May 27-31, 2013, CSC&IPB, UPLB.

**Magdalita, P.M.** (2013). IPB&CSC R&D Strategies Through the Years. Lecture delivered to the FNRI-DOST Staff during their training on R&D in S&T, Oct 12, 2013 held at CSC&IPB.

**Magdalita, P.M.** (2006). Application of bioinformatics in multiple comparison of plant gene sequences. Lecture delivered at the Awareness Seminar on Bioinformatics: New Approaches for Biological Sciences. Iloilo City, September 2006.

**Magdalita, P.M.** (2005). Exploring bioinformatics for crop improvement using genetic engineering. Lecture delivered at the Awareness Seminar on Bioinformatics: New Approaches for Biological Sciences. NRCP-DOST Meeting, Manila, Peninsula Hotel, June 2005.

**Magdalita, P.M.** and Valencia, L.D. (2004). Papaya Tissue Culture. Lecture delivered at the Technical Forum of DOST Region 10, Coronadal City, South Cotabato, July 21, 2004.

**Magdalita, P.M.** and Laurena, A.C. (2003). GMO's: Are they safe as human food? Lecture delivered at the Seminar on Biotechnology Applications for Crop Improvement, Splash Mountain, Los Baños, Laguna, February 13-14, 2003.

**Magdalita, P.M.** (2003). Food and agricultural biotechnology – Overview of modern biotechnology and its application in agriculture, Lecture delivered during the Symposium on Emerging Technologies in the Philippines, Tarlac College of Agriculture, Camiling, Tarlac, June 19, 2003.

**Magdalita, P.M.** and Laurena, A.C. (2003). GMO's: Human health and food safety Lecture delivered at the Seminar on Understanding Biotech Plants and Foods, Balanghai Hotel, Butuan City, August 12, 2003.

**Magdalita, P.M.** and Fernandez, E.C.(2003). Environmental safety of GMO products: Lecture delivered at the Seminar on Understanding Biotech Plants and Foods, Balanghai Hotel, Butuan City, August 12, 2003.

**Magdalita, P.M.** (2003). Papaya Tissue Culture. Lecture delivered at the Technology and Investors' Forum, Grand Caprice Convention Center, Cagayan de Oro City, October 28-29, 2003.

**Magdalita, P.M.** (2003). Pineapple Tissue Culture. Lecture delivered at the Tissue Culture Training of DA-Cayagan Personnel, BIOTECH, UPLB, October 24-25, 2003.

**Magdalita, P.M.** (2002). Use of PCR in Plants and Animals. Lecture delivered at the Product Launching of Guilbern Corporation, Richmond Hotel, Makati City, May 31, 2002.

**Magdalita, P.M.** (2002). Pinoy GMO. Lecture delivered at the Joint DA Biotech Program and NAFC Information Drive on Modern Biotechnology and DA AO8, Grand Royal Hotel, Davao City, September 11, 2002.

**Magdalita, P.M.** (2002). Sex determination of papaya through PCR. Lecture delivered at the International Training Course on Biotechnology for Seed and Seedling Production, PCARRD, December 5, 2002.

**Magdalita, P.M.** (2001). Application of biotechnology to disease resistance and quality improvement in tropical fruit species. Lecture delivered at the mini-symposium of the PPS and 32<sup>nd</sup> Annual Scientific Conference of PMCP, DA-RFU & CSSAC, Pili, Camarines Sur, May 3-6, 2001.

**Magdalita, P.M.** (2001). Application of biotechnology to disease resistance and quality improvement in tropical fruit species. Lecture delivered at the KKP Meeting, Bicol University, Legaspi City, May 18, 2001.

**Magdalita, P.M.** (2001). Plant transformation. Lecture delivered at the Seminar Workshop on the Use of Biotechnology for Biological Science, BPI, Baguio City, October 29-30, 2001.

**Magdalita, P.M.** (2001). Genetic engineering schemes for crop improvement. Lecture delivered at the In-Country Training on the Use of Biotechnology to Improve Legumes Productivity and Resistance to Pests and Diseases, PCARRD, November 20-22, 2001.

**Magdalita, P.M.** (2000). Plant transformation. Lecture delivered at the International Course on Plant Breeding, IPB-UPLB, March 8-April 28, 2000.

**Magdalita, P.M.** (2000). Papaya ringspot virus and its control. Lecture delivered at the Fruit Techno Forum and Farmers Consultation Meeting on Strawberry and Fruits, BSU, La Trinidad, March 14, 2000.

**Magdalita, P.M.** (2000). Development of interspecific hybridisation techniques for genetic improvement of papaya (*Carica papaya* L.). Lecture delivered at the Applied Biology Class (GRBI 201) of the Graduate School of Education, Arts and Sciences Department, College of Arts and Sciences, De la Salle University-Dasmariñas, July 8, 2000.

**Magdalita, P.M.** (1999). Sinta papaya production. Lecture delivered at the Training Course on Vegetable Seed Production and Sinta Papaya Production, IPB-UPLB, May 10-14, 1999.

#### **Study visits conducted to different countries:**

##### **Czech Republic**

Date: November 14-15, 2016

Purpose: presented a paper to the 2<sup>nd</sup> Regional Workshop on the Promotion of Neglected and Underutilized Plant Species in the Czech University of Life Sciences in Prague, Czech Republic

##### **1. United States of America**

**Date: June 23-28, 2002**

Purpose: presented a paper at the 10<sup>th</sup> International Association of Plant Tissue Culture & Biotechnology Congress and visited the University of Florida Tropical Research & Education Center at Homestead, Florida.

**Date: July 10-24, 2004**

Purpose: attended the International Internship Program on Intellectual Property Rights and Technology Transfer at the Institute of International Agriculture in collaboration with the Michigan State University College of Law and College of Agriculture and Natural Resources, East Lansing, Michigan, USA, June 10-16, 2004.

**Date: July 17-23, 2004**

Purpose: visited and confer with scientists from the University of Hawaii and USDA regarding transgenic papaya; visited commercial and experimental papaya farms in Oahu and Big Island, Honolulu, Hawaii, USA.

**2. Australia****Date: September 26-October 1, 2004.**

Purpose: Attended and presented a paper the 4<sup>th</sup> International Crop Science Congress in Brisbane, Australia.

**Date: October 4-14, 2004.**

Purpose: Attended the International Training Course on Coconut Tissue Culture and Biotechnology for Australian Center for International Agricultural Research Project at the University of Queensland, Brisbane, Australia.

**Date: November 26-December 1, 2000**

Purpose: presented a paper at the International Symposium on Tropical and Subtropical Fruits at Cairns, Australia.

**Date: September 26-30, 1999**

Purposes: attended project review (Control of ripening in papaya by genetic engineering) at UQ, Brisbane and attended Combined Biology Congress 99 at Gold Coast, Queensland, Australia

**Date: September 29-October 3, 1997**

Purposes: attended the International Symposium on Biotechnology of Tropical and Subtropical Species

**3. Malaysia****Date: November 21, 2005**

Purpose: presented country progress reports at the Coordination and Technical Meeting of the Papaya Biotechnology Network of Southeast Asia

**Date: November 23-24, 2005**

Purpose: presented oral paper to the 1<sup>st</sup> International Symposium on Papaya

**Date: October 7-9, 2002**

Purpose: presented country progress report at the Coordination and Technical Meeting of the Papaya Biotechnology Network of Southeast Asia

**Date: January 14-19, 2001**

Purpose: attended the Training-Workshop on *Agrobacterium* Transformation of Papaya sponsored by the International Service for the Acquisition of Agri-Biotech Applications held in Selangor, Malaysia.

**4. Thailand****Date: December 15-16, 2003**

Purpose: presented country progress reports at the Coordination and Technical Meeting of the Papaya Biotechnology Network of Southeast Asia held in Bangkok, Thailand.



**Date: May 15-16, 2000**

Purpose: presented country progress report at the Coordination and Technical Meeting of the Papaya Biotechnology Network of Southeast Asia held in Bangkok, Thailand.

**5. Viet Nam****Date: October 24-26, 2001**

Purpose: presented country progress report at the Coordination and Technical Meeting of the Papaya Biotechnology Network of Southeast Asia; and attended papaya agronomy and breeding workshop held in Hanoi, Viet Nam.

**6. Papua New Guinea (PNG)****Date: January 28-29, 2004**

Purpose: presented annual progress report of the Coconut Tissue Culture Project to the Coconut Tissue Culture Group held in Madang, Papua New Guinea.

**7. Indonesia****Date: April 29-May 17, 1991**

Purpose: attended the training on Enzyme-linked Immunosorbent Assay Technology In Agriculture and Food Science held in Bogor, Indonesia.

**Date: October 1995**

Purpose: presented terminal report of the Coconut Culture Project to the Coconut Tissue Culture held in Manado, Indonesia.

**Membership in international and national professional organizations:**

American Society of Horticulture

International Society for Horticultural Science

International Society of Southeast Asian Agricultural Science (ISSAAS)

Society for Advancement of Breeding Researches in Asia and Oceania (SABRAO)

Crop Science Society of the Philippines (CSSP)

Philippine Fruit Association (PFA)

Philippine Association of Plant Tissue Culture and Biotechnology (PAPTC & B)

Gamma Sigma Delta Honor Society of Agriculture (GSDHSA)

Outstanding Young Scientists, Inc. (OYS, Inc.)

National Research Council of the Philippines (NRCP)



