



LUZ GENESTON ASIO

Assistant Professor 2

Department of Agronomy
College of Agriculture and Food Science
Visayas State University
Visca, Baybay City, Leyte, 6521-A, Philippines
Office Phone Number: (053) 563 7636

PERSONAL INFORMATION

Date of Birth : January 17, 1969
Place of Birth : Butuan City, Caraga Region
Civil Status : Married

EDUCATIONAL BACKGROUND

EDUCATIONAL ATTAINMENT	DATE	SCHOOL/ADDRESS	DEGREE OBTAINED
Graduate	2014 – 2018	Central Luzon State University Science City of Munoz, Nueva Ecija	Ph.D. Crop Science (Consistent Dean's Lister for 3 semesters)
	1997 – 2004	Visayas State College of Agriculture Baybay, Leyte	MS Agronomy (Minor Soil Science)
Tertiary	1987 – 1991	Visayas State College of Agriculture Baybay, Leyte	BSA in Soil Science
Secondary	1982 – 1986	Leyte State College Tacloban City	
Elementary	1976 – 1981	Pawing Elementary School Pawing Palo, Leyte	Graduate 3 rd Honors

EMPLOYMENT HISTORY

DESIGNATION	OFFICE
Assistant Professor 2	Department of Agronomy, Visayas State University VSU, Baybay City, Leyte January 31, 2018 – Present
Science Research Assistant	Central Analytical Services Laboratory VSU, Baybay City, Leyte January 5, 2005 – December 31, 2014
Science Research Assistant	National Abaca Research Center VSU, Baybay City, Leyte January 5, 1996 – December 30, 2004
Science Research Assistant	Philippine Rootcrop Research and Training Center VSU, Baybay City, Leyte January 6, 1991 – June 30, 1993

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PUBLICATIONS

Scientific Papers

1. Colipano, J. and **L.G. Asio. 2023**. Effects of Plant Spacing and Rates of NPK Application on the Growth and Yield of Sweetpotato. Annals of Tropical Research Volume 45, No. 2 July-December 2023 issue. (Accepted for Publication)
2. Asio, VB and **LG. Asio. 2021**. Properties, Fertility Status and Sustainable Management of Degraded Tropical Soils. In: Sustainable Soil Fertility Management. Nova Science Publishers, Inc. pp 1-31.
3. Vasquez, EA; **L.G. Asio**; DO Ferraren and RM Dacera. **2021**. Biology of Tortoiseshell Beetle (*Aspidomorpha miliaris* Fabr.) on sweetpotato (*Ipomoea batatas* Lam) and its relatives as affected by hosts' nutritional profile. Vol. 42 (2): 102-119
4. **Asio, L.G.*** and N.E. de la Cruz. **2020**. Application of Mitscherlich-Bray equation to formulate fertilizer recommendations for sweetpotato in Leyte, Philippines. Annals of Tropical Research 42 (2):30-42. VSU, Leyte, Philippines. (*corresponding author)
5. **Asio, L.G.**, N. Tamayo, N. dela Cruz. **2018**. Response of a Traditional Sweetpotato (*Ipomoea batatas* L.) Variety to Fertilization in Leyte, Philippines. In: International Conference on Research on Food Security, Natural Resource Management and Rural Development Book of Abstracts. Margraf Publishers GmbH, Weikersheim. ISBN: 978-8236-1760-0. Pp. 275. (A pdf of paper available online: www.tropentag.de2018)
- Villamayor, FP; VB Asio; AO Lerios; **LG Asio**; JR Sabijon. **2017**. Soil erosion in the marginal upland of Inopacan, Leyte. Annals of Tropical Research. Vol 39 (1): Supplement
6. **Asio, L.G.** and F.D. Cuaresma. **2016**. A review of postharvest treatments to maintain mango (*Mangifer indica* L.) quality. Annals of Tropical Research vol. 38(1):81-93
7. Asio, V.B, M.M Bande, **L.G. Asio** and P.P. Milan. **2011**. Rehabilitation of degraded uplands through rainforestation farming: Impact on soil properties and fertility. Proceedings of the 14th Annual Meeting and Scientific Conference. VSU, Baybay, Leyte. Pp. 58-59
5. **Asio, L.G.** and A.B. Escasinas. **2004**. Response of corn to chicken dung and rice hull ash application and mycorrhizal fungi inoculation. Annals of Tropical Research. vol. 26. Pp 23-38

Other Technical Publications

1. **Asio, L.G. 2018**. Rice production in Eastern Samar: is there a bright future? Soil and Environment blog. <http://soil-environment.blogspot.com>
2. **Asio, L.G. 2018**. Cebu Highlands: Some notes on the agricultural practices and beautiful landscapes. Soil and Environment blog. <http://soil-environment.blogspot.com>





3. **Asio, L.G. 2010.** Response of chicken dung and rice hull ash application. Soil and Environment blog. <http://soil-environment.blogspot.com>

RESEARCHES CONDUCTED

1. Biodiversity Enhancement and Maintenance of Rainforestation: Techno-Demo and Learning Site of VSU Villaba. 2022-23. **Co-Project Leader**
2. Effects of Different Soil Management Strategies on Crop Performance (sweetpotato/taro) in Acid Soils. 2021-2023. **Study Leader**
3. Soil Management and Production Practices of Farmers in Typhoon Affected Areas in Leyte and Samar. 2018-2021. **Study Leader**
4. Formulation of Fertilizer Recommendation for Abaca Production. National Abaca Research Center. VSU, Baybay, Leyte. 2003-2004. **Science Research Assistant**
5. Utilization of Endomycorrhizal Fungi for Increased Abaca Production. National Abaca Research Center. VSU, Baybay, Leyte. 1996-2002. **Science Research Assistant**
6. Characterization of soils planted to sweetpotato in Region 8. Philippine Rootcrop Research and Training Center. VSU, Baybay, Leyte. **Science Research Assistant**
7. Growth Response Function, Mineral Nutrition, and Quality of Sweetpotato (*Ipomoea batatas* [L] Lam var Siete Flores) in Relation to Fertilization. **PhD Thesis.**
8. Utilization of rice hull ash and chicken dung as combined organic fertilizers inoculated with mycorrhizal fungi. **MS Thesis.**
9. The effect of rock phosphate application on the growth and yield of sweetpotato (*Ipomoea batatas*) grown in an Ultisol. **Undergraduate Thesis.**

TEACHING RESPONSIBILITIES

Agro 21	-	Fundamentals of Crop Production
Agro 115	-	Field Crop Physiology
Agro 215	-	Applied Field Crop Physiology
Agro 144	-	Cereal Production
Agro 199 A	-	Undergraduate Seminar A
Agro 199 B	-	Recent Trends in Agriculture
AgSci 11	-	Introduction to Agriculture
AgSci 13	-	Ecological Agriculture
Agro 214	-	Physiological Aspects of Crop Production
CropSci 21	-	Principles of Crop Science
Agro 299	-	Graduate Seminar
Agro 115e	-	Field Crop physiology (extram)

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VISAYAS

STATE UNIVERSITY

College of Agriculture and Food Science



- | | | |
|-----------|---|--|
| Agro 215e | - | Applied Field Crop Physiology (extram) |
| Agro21e | - | Fundamentals of Crop Production (extram) |

ELIGIBILITY

Career Service Professional Exam	December 1991, Tacloban City (81.25%)
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AWARDS AND SCHOLARSHIPS

- | | |
|---|--|
| Certificate of Award | - As a Tropentag travel grant for a valuable scientific contribution in the field of research and development given by K+S Kali GmbH and ATSAF, Ghent Belgium |
| Plaque of Recognition | - Awarded by SEI Department of Science and Technology |
| Publication Award 2016 | - For the paper entitled: A review of postharvest treatments to maintain mango (<i>Mangifera indica</i> L.) published in Annals of Tropical Research vol. 38(1):81-93 |
| ASTHRDP-NSC Doctoral Scholarship Award | - Awarded by SEI Department of Science and Technology for PhD studies in Central Luzon State University Science City of Munoz Nueva Ecija |
| Model Science Research Assistant Award | - For exemplary performance as Science Research Assistant, given by Visayas State University during its 89 th Anniversary Convocation at VSU Gymnatorium. August 10, 2013 |
| Erasmus Mundus EXPERTS Scholarship Award | Training in Good Laboratory Practices at the Research Center for Toxicology, Masaryk University, Czech Republic. 21 April – 22 May 2012 |
| Certificate of Merit | - As Dean's Lister (3 semesters) during PhD studies at CLSU, Science City of Munoz, Nueva Ecija |
| Plaque of Recognition | - Given by the Cienda-San Vicente Farmers Association Community Based Forest Management for giving them technical assistance regarding soil and plant analysis interpretation and fertilizer recommendations. July 12, 2013. |

MEMBERSHIP IN RELEVANT PROFESSIONAL ORGANIZATIONS

- | | |
|------------------|--|
| Associate Member | National Research Council of the Philippines |
| Regular Member | American Society of Agronomy (ASA) |
| Regular Member | Phi Delta Honor Society of Science |
| Lifetime Member | Philippine Society of Soil Science Technology (PSST), Inc. |

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Member	Philippine Society of Lactic Acid Bacteria (PSLAB) Inc.
Full Member	Organic Agriculture Society of the Philippines (OASP), Inc.
Life Member	CLSU Alumni Association
Member	Kapisanang Kimika ng Pilipinas
Associate Member	Integrated Chemist of the Philippines
Member	VSU ADPA

SEMINARS/TRAININGS/WORKSHOPS/SYMPOSIUM ATTENDED

TITLE OF TRAINING/SEMINARS ATTENDED	INCLUSIVE DATES	NO. OF HRS.	SPONSORING AGENCY
Trainings			
Training on the Operation and Maintenance of Atomic Absorption Spectrometer at Yishun, Singapore	25-31 March 2014		Agilent
Practical and Research Trainings on Laboratory Work at Research Center for Toxic Compounds at Masaryk University, Czech Republic	1-19 May 2012		EXPERTS, Erasmus Mundus
Calibration of Volumetric Glasswares	3-4 August 2010		DOST, Banilad Cebu
Calibration and Maintenance of Basic Laboratory Equipment	25-26 September 2002		ITDI and PALEU, Bicutan Taguig
Good Laboratory Practices	25-26 February 2008		DOST region 7
Seminars and Workshops			
R World: First Contact	22 April 2016		Department of Statistics, CLSU
29 th Philippine Chemistry Congress: Building Stronger Bonds towards Global Competitiveness	9-11 April 2014		Villa Caceres, Naga
National Conference on Development Initiatives in the Philippine Marginal Uplands	22-24 October 2013		VSU Convention Centre
Merck Safety Summit: in more ways than one	6 September 2013		Merck, Marriot Hotel Cebu

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Changing Regulatory World: Regulatory Requirements on Importation, Procurement and Usage of Chemicals

5 September
2013

Merck, Marriot Hotel
Cebu

Safety in the Laboratory

3 September
2013

DOH, VSU

Best Practices for Laboratory Management

22 May 2013

FAST Laboratory,
DOH Training Hall

8th PSLAB Scientific Conference: Lactic Acid Bacteria R and D for Health and Wealth

23 November
2012

CCE, Visayas State
University

VSUCC Basic Cooperative Course

17 November
2012

Philrootcrops
Training Hall

Sustainability in German Forestry Over the Ages

12 November
2012

Philrootcrops
Training Hall

Monitoring Progress on Decent Work Through Statistics: Pathway to Inclusive Growth

23 October
2012

Philrootcrops
Training Hall

Expert Services

Judge – VSULHS Science Couple Quest pageant

28
September
2011

VSU Convention
Center

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