

CURRICULUM VITAE

PERSONAL INFORMATION

Name : Cecille Marie O. Quiñones
Place of Birth : Baybay City, Leyte, Philippines
Gender : Female
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EDUCATIONAL BACKGROUND

2017 - 2022 PhD in Soil Science of Tropical and Subtropical Ecosystems, University of Göttingen, Germany
PhD Thesis Title: Soil greenhouse gas balance, yield, and profit in intensively fertilized vegetable farms on an Andosol soil in Leyte, Philippines

2012 – 2014 MSc in Soil Science (minor field: Tropical Ecology) at Visayas State University, Baybay City, Leyte, Philippines
MSc Thesis Title: Soil Properties of a Degraded Grassland Watershed Underlain by Ultramafic Geology in Northeastern Leyte, Philippines

2009 – 2011 MSc in Forest Sciences and Forest Ecology at Georg-August Universität of Göttingen, Germany
Specialization: Tropical and International Forestry Programme
MSc Thesis Title: Soil Nitrogen Cycling in Permanent Managed Grassland as Affected By Fertilization and Phytodiversity

2004 – 2008 Bachelor of Science in Agriculture at VSU, Baybay City, Leyte
Major in Soil Science
BSc Thesis Title: Nutrient Characteristics of Acidic and Calcareous Soils Planted to *Jatropha curcas* L. Applied with Chemical and Organic Fertilizers

2000 – 2004 VSU Laboratory High School (VSULHS), Baybay City, Leyte

1993 – 2000 Visca Foundation Elementary School (ViFES), Baybay City, Leyte

WORK / RESEARCH EXPERIENCE

Feb 2018 – Sep 2019 Field-based quantification of soil greenhouse gas fluxes, nutrient response efficiency and nutrient leaching losses in small-scale vegetable production on an Andosol soil in Leyte, Philippines, as part of the performance of a PhD research project.

Jan 2015 – Jul 2017 Instructor/ Lecturer (Regular Position) at the Department of Soil Science, Visayas State University, Visca, Baybay City, Leyte;

Duties/ Responsibilities: teaches courses in basic soil science, soil fertility, and environmental geomorphology to BSc students; serves as thesis adviser to BSc in soil science/environmental management students; conducts soil researches dealing with nutrient management, soil erosion, nutrient omission experiments for vegetables, and soil characterization (funded by the Australian Center for International Agricultural Research (ACIAR) & the Philippine Commission on Higher Education (CHED); serves as resource person for farmers' trainings and seminars

Sept – Dec 2014	Project Officer of the ACIAR Soil Project at VSU
July – Aug 2014	Science Research Assistant of the Philippine Higher Education Research Network (funded by CHED) Project 1, Study 3
Aug 2013 – Feb 2014	Field and laboratory work for MSc thesis research in Northeastern Leyte and VSU
Jan 2011	Forest soil survey as part of a forest management plan in Gunung Walat Educational Forest, Bogor Agricultural University (IPB), Indonesia
Aug – Dec 2010	Field and laboratory work for MSc research in Göttingen, Niedersachsen, Germany
Sep 2008 – June 2009	Science Research Assistant under the Soil Component of the ACIAR Vegetable Project
April - Oct 2007 / Feb 2008	Laboratory work for BSc thesis research

RESEARCH PROJECTS

Involvement	Study
1. Project leader	<i>PhD research project:</i> Soil greenhouse gas balance, yield and profit in intensively fertilized vegetable farms on an Andosol soil in Leyte, Philippines – funded by Institute Soil Science of Tropical and Subtropical Ecosystems and by DAAD
2. Study Leader	Soil erosion and pedo-hydrological properties under various agricultural land uses in marginal uplands – funded by CHED PHERNet (January – December 2015)
3. Component Leader	Identification of macronutrient constraints through nutrient omission trials involving four soil types commonly grown to vegetables in Leyte – part of the ACIAR Soil Project (2015 – 2017)
4. Component Leader	Greenhouse study to monitor the growth and yield of eggplant

(*Solanum melongena* L.) and sweetpepper (*Capsicum annuum* L.) commonly grown in acidic and calcareous soils of Leyte – part of the ACIAR Soil Project (2015 – 2017)

5. Co-component leader Field survey of vegetable farmers in Leyte, Bohol, and Samar - part of the ACIAR Soil Project (2015 – 2017). The study evaluates the nutrient contents of soils and vegetables as well as the management practices of the farmers.
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WORKSHOPS/ TRAININGS ATTENDED

- 16 – 30 Apr 2016 Training on the methods of nutrient studies and the use of research related equipment; orientation on the vegetable production and the soils and geology of the Lockyer Valley. University of Queensland and Queensland Department of Agriculture and Fisheries. Brisbane, Australia
- 14 – 18 Sep 2015 National Certification III: *Harnessing Agricultural Extension Workers' Capabilities on Agricrop Production*. Agriculture Training Institute –Regional Training Center VIII, Visayas State University, Visca, Baybay City, Leyte

CONFERENCES/ SEMINARS ATTENDED

- 19 – 30 April 2021 European Geosciences Union General Assembly 2021. Contribution: vPICO presentation about soil N₂O, CH₄, and CO₂ fluxes between tropical secondary forest and small-scale vegetable production on an Andosol soil
- 23 – 24 May 2016 National Research Council of the Philippines – Visayas Regional Cluster (NRCP –VRC) Annual Scientific Conference and 13th General Membership Assembly. University of San Jose Recoletos, Cebu City. *Theme: Research Innovation for Inclusive Development in the Visayas Region. (Member and Participant)*
- 14 May 2016 DAAD – GIZ Alumni Day. Doehle Haus, Makati City. *Theme: Harnessing the Potentials of Alumni for International Cooperation. (Alumni)*
- 7 – 8 Apr 2016 Department of Science and Technology (DOST) 1st International Scholars' Conference. Philippine International Convention Center, Pasay, Manila. *Theme: Benchmarking Science and Technology towards Enhancing Global Competitiveness. (Poster Judge and Participant)*
- 16 Mar 2016 NRCP 83rd General Membership Assembly and Scientific Conference. Philippine International Convention Center, Pasay City. *Theme: Research Innovation for Inclusive Development. (Member and Participant)*
- 16 – 20 Feb 2016 2nd National Organic Agriculture Scientific Conference. Convention

- Center, Visayas State University. *Theme*: Go organic...for health, resiliency, and sustainability. (*Participant*)
- 04 Nov 2015 Soil and Plant Nutrition Seminar on ‘The challenge of Predicting Metal Transfer through the soil – plant – animal continuum (by Prof. Neil Menzies, University of Queensland- Australia) and ‘Field Diagnostics of Disorders in Vegetable Crops (by Dr. Stephen Harper, Queensland Department of Agriculture and Fisheries- Australia). Department of Soil Science, Visayas State University. (*Participant*)
- 14 – 16 Oct 2015 First Annual Regional Conference on Climate Change Research, Development, & Extension. Convention Center, Visayas State University. *Theme*: Charting the Path for Eastern Visayas’ Climate Change Research, Development, & Extension Programs. (*Participant*)
- 30 Jul – 01 Aug 2015 Conference on Experiences and Lessons Learned in Rehabilitating Typhoon-Damaged Agriculture and the 6th Biennial PSAI Convention. Convention Center, Visayas State University. (*Participant*)
- 7 – 8 May 2015 4th National Department of Science and Technology –Science Education Institute Accelerated Science and Technology Human Resources Development Program – National Science Consortium (DOST – ASTHRDP) Scholars’ Conference. Hotel Jen, Manila. *Theme*: Strengthening Linkages through Multi-Disciplinary Collaboration. (*Oral Presentation*)
- 22 – 24 Oct 2013 National Conference on Development Initiatives in the Philippine Marginal Uplands. Visayas State University. *Theme*: Enhancing Farm Productivity and Environmental Quality in the Philippine Marginal Uplands: A scan of the past and look into the future. (*Participant*)
- 24 Sep – 6 Oct 2012 13th International Seminar and Workshop on Tropical Ecology. Visayas State University, Visca, Baybay, Leyte. (*Participant*)
- 20 – 22 Jun 2011 Biodiversity Conference. University of Göttingen. *Theme*: Functions and Services of Biodiversity. (*Participant*)
- 14 – 16 Sep 2010 Tropentag (Tropical Day) Conference. ETH Zurich, Switzerland. *Theme*: International Research on Food Security, Natural Resource Management and Rural Development. (*Participant*)
- 6 – 8 Oct 2009 Tropentag (Tropical Day) Conference. University of Hamburg, Germany. *Theme*: Biophysical and Socio-economic Frame Conditions for the Sustainable Management of Natural Resources. (*Participant*)

SCIENTIFIC PUBLICATIONS

- 2022 Quiñones, C.M.O., E. Veldkamp, S.B. Lina et al. Soil greenhouse gas fluxes from tropical vegetable farms, using forest as a reference. *Nutr Cycl Agroecosyst* 124: 59–79. <https://doi.org/10.1007/s10705-022-10222-4>
- 2019 Zhang, J., L. A. Bruijnzeel, C. M. O. Quiñones, R et al. 2016. Soil physical characteristics of a degraded tropical grassland and a ‘reforest’: Implications for

- runoff generation. *Geoderma* 333: 163-177.
<https://doi.org/10.1016/j.geoderma.2018.07.022>
- 5 – 9 Jun 2016 Zhang, J., C. M. O. Quiñones, R. Tripoli, I. H. J. van Meerveld, V. B. Asio, and L. A. Bruijnzeel. 2016. Contrasting headwater runoff generating mechanisms in fire-climax grassland and semi-mature secondary forest, Leyte, Philippines. American Geophysical Union Chapman Conference. Cuenca, Ecuador. (*Poster presentation*)
- 2015 Quiñones, C.M.O. and V.B. Asio. 2015. Soils derived from ophiolitic rocks in Northeastern Leyte: morphological, physical, and chemical properties. *Annals of Tropical Research* 37 (2): 35-55.
- 2014 Asio, V. B., S. B. Lina, D. S. Maranguit, A. B. Bolledo, R. J. T. Doguiles, C. M. O. Quiñones, J. R. Sabijon, and K. L. Demain. 2014. Characteristics of soils in the marginal uplands of Inopacan, Leyte. *Annals of Tropical Research* 36 (Supplement): 1-15.
- 2014 Hoeft, I., A. Keuter, C. M. Quiñones, P. Schmidt-Walter, E. Veldkamp and M. Corre. 2014. Nitrogen retention efficiency and nitrogen losses of managed and phytodiverse temperate grassland. *Basic and Applied Ecology* 15 (3): 207 – 218. (ISI Journal)

SCHOLARSHIPS AND AWARDS

- DAAD Scholarship for PhD Studies at the University of Goettingen 2017 - 2021
- Department of Science and Technology – ASTHRDP Graduate Scholarship 2012 - 2013
- DAAD Scholarship for MSc Studies at the University of Goettingen 2009 - 2011
- Philippine Agriculture Resources Research Foundation, Inc. Scholarship 2006 - 2008
- College Scholarship 2004 - 2006
- High School Scholarship 2000 - 2004
- Licensed Agriculturist – Professional Regulation Commission Passed the board exam in 2009
- Certificate of Civil Service Eligibility April 04, 2008
- Sen. Edgardo J. Angara Award of Excellence April 04, 2008
- VSU Academic Award of Excellence April 04, 2008
- Breeders Award of Excellence April 04, 2008