

CURRICULUM VITAE

JOY ADELINE C. NUÑEZ-CADALIN



WORK HISTORY

January 2023 - Present	Science Research Specialist I Plant Disease Diagnostic Laboratory Visayas State University
August 2022 - December 2022	Science Research Specialist Plant Disease Diagnostic Laboratory Visayas State University
February 2022 - July 2022	Science Research Assistant Plant Disease Diagnostic Laboratory Visayas State University
August 2021 – January 2022	Part-time Instructor Department of Pest Management Visayas State University
June 2020 – May 2021	Science Research Assistant Diagnostic Laboratory, Caraga State University PILI NANOGUARD: Molecular and Nanoscale Studies on the Etiology of Tayangawon and Kernel Rot Diseases of Pili (<i>Canarium ovatum</i>) and Development of Emulsified Biopesticides and Edible Coatings for its Prevention
August 2020 – January 2021	Lecturer I College of Agriculture and Agri-Industries Caraga State University
August 2017 – December 2017	Science Research Assistant Plant Disease Diagnostic Laboratory (PDDL), Visayas State University, ACIAR-ICM Integrated Crop Management (ICM) to Enhance Vegetable Profitability and Food Security in the

	Southern Philippines and Australia
July 2015-June 2017	Science Research Assistant Plant Disease Diagnostic Laboratory (PDDL) Visayas State University, PCAARRD Identification and Transmission Studies on Major Diseases of Vegetables in Eastern Visayas
July 2014-June 2015	Science Research Assistant Philippine Root Crops Research and Training Center (PRC-RTC) Visayas State University, DA-BAR Screening and Evaluation of 48-NSIC Varieties for Phytoplasma Disease Resistance to Pre-Planting Antibiotic Treatment
April 2014-May 2014	Plant Propagator National Abaca Research Center – Tissue Culture Laboratory Visayas State University

GRADUATE THESIS

Nuñez JAC and Borines LM. 2020. "Molecular Characterization and Differentiation of Bacterial Spot, Speck and Canker Diseases Affecting Tomato (*Solanum lycopersicum* Linn.) in Leyte and Samar, Philippines"

UNDERGRADUATE THESIS

Nuñez JAC and Borines LM. 2013. "PCR-Based Species Identification of Abaca (*Musa textilis* Nee) Bacterial Heart Rot Pathogen"

PUBLICATIONS

Nuñez JAC, Niño MC and Borines LM. 2013. Characterization and Identification of the Bacterium Causing Heart Rot Disease in Abaca (*Musa textilis* Nee). Journal of Tropical Plant Pathology, Philippine Phytopathological Society Inc. c/o Crop Protection Cluster. 48(2);1-16

Borines LM, **Nuñez JAC**, Duero ND, Sagarino RM, Cañete FR, Oclarit EL, Gerona RG & McDougall S. 2017. Inventory and Incidence of Plant Diseases affecting Vegetables in selected Areas in the Visayas and Mindanao. Annals of Tropical Research 39 (Supplement B): 22-39 (2017)

Borines LM, **Nuñez JAC**, Duero ND, Sagarino RM, & Gerona RG. 2020. Detection and Molecular Characterization of *Phytoplasma* Vegetables in Eastern Visayas, Philippines. *Annals of Tropical Research* 42 (2):1-20 (2020).

Borines LM, Duero ND, **Nuñez JAC**, Sagarino-Borines R, McDougall S, & Gerona RG. 2022. Insect vectors transmission of phytoplasma to vegetables in Eastern Visayas Philippines. *Annals of Tropical Research* 44(1):46-60(2022)

AWARDS AND QUALIFICATIONS

- Licensed Agriculturist
- 2013 Phi Delta Outstanding Undergraduate Thesis in Pure Life Sciences Category (VSU)
- Pest Management Council of the Philippines (PMCP) Thesis Grantee
- 2020 Publication Award
For Articles in Peer-Reviewed Publications
"Detection and molecular characterization of phytoplasma affecting vegetables in Eastern Visayas, Philippines", April 21, 2023
- 2017 Publication Award
For Articles in Peer-Reviewed Publications
"Inventory and incidence of plant diseases affecting vegetables in selected areas in the Visayas and Mindanao", December 20, 2019
- Outstanding RDE Paper (Research Project Category)
"Identification and Transmission Studies on Major Diseases of Vegetables in Eastern Visayas"
29th Joint ViCAARP and RRDEN Regional Research, Development and Extension Symposium, November 28, 2017
- Outstanding RDE Paper (Research Project Category)
"Biochemical Alteration of Cassava Infested with Phytoplasma"
28th Joint ViCARP and RRDEN Regional Research, Development and Extension Symposium, December 7, 2016

- Best RDE Poster (Fourth place)
"Identification and Transmission Studies on Major Diseases of Vegetables in Eastern Visayas"
27th Joint ViCARP and RRDEN Regional Research, Development and Extension Symposium, December 4, 2015

SKILLS

- Plant Bacterial Isolation, Characterization and Identification
- DNA Extraction
- PCR (Polymerase Chain Reaction) Technique
- RFLP (Restriction Fragment Length Polymorphism) Technique
- With expertise on detection/identification of *Phytoplasma* on vegetables and cassava
- Culture Media Preparation
- Abaca and Banana Tissue Culture

Computer-related

- Microsoft Office (Word, Excel, PowerPoint, Publisher)
- Xara Designer Pro
- BLAST Program
- Alpha Digi Documentation

TRAININGS, SEMINARS, WORKSHOPS, & CONFERENCES

2023

- Resource person on : "Green-the-home-Project: Trainings on Insect Pests and Diseases Management of Vegetables" at Brgy. Marcos, Baybay Leyte, June 30, 2023
- CAFS-UPLB Webinar Series: "Rice grown by Drone. Is this Possible?", June 27, 2023
- CAFS-UPLB Webinar Series: "Operation, Maintenance, Safety, Storage, and Basic Troubleshooting of Agricultural Fram Machines (from Land Preparation to Postharvest), June 20, 2023
- CAFS-UPLB Webinar Series: "WaterRice in Action", June 21, 2023
- DLSU-Phytohealth Webinar: "Responding to an increasing threat - protecting plants and trees from pests and diseases", June 14, 2023
- CAFS-UPLB Webinar Series: "PRiSM: The first satellite-based nationwide rice monitoring system in Southeast Asia", June 13, 2023
- CAFS-UPLB Webinar Series: "In focus: Rice Crop Health Monitoring and Assessment", June 8, 2023
- Resource Person on "Green-the Home Project Replanning Workshop and Trainings on Pests, Diseases and Postharvest Management of Vegetables", held on March 29-30, 2023 ay Hilongos Municipal hall
- TESDA Certificate of Completion: "Working in a Gender-Diverse

Environment", March 17, 2023

- Re-planning Workshop and Training on Pests, Diseases and Post Harvest Management of Vegetables
- In-depth study of tomato and weed viromes reveals undiscovered plant virus diversity in an agroecosystem

2022

- 34th Joint ViCARP and RRDEN Regional Research, Development and Extension Symposium, November 17-18, 2022
- Resource Person on "Training on Abaca Good Agricultural Practices and Integrated Pest Management" at Barangay Monterico, Baybay City on July 18, 2022
- Training on "Introduction to Metrology and Industrial Calibration" on July 12-13, 2022 at 1st Floor of CCE Bldg.
- Webinar Series entitled Research Results Dissemination and Learning Event for Garlic, Onion, and Mango: DA BAR Funded Project "Surveillance and Detection of Microbe Utilizing Molecular Techniques and Associated Thrips Vector on Onion, Garlic and Mango in Luzon" June 21-23, 2022 via zoom
- Plantation Herbicide Resistance Management, June 9, 2022 via zoom
- "Training on Abaca Good Agricultural Practices and Integrated Pest Management" at Barangay Bitanhuan, Baybay City on May 27, 2022
- NCPD Webinar Series: "Webinar on Foresight for Crop Pest Management in Extension and Policy Making", May 17, 2022 via zoom
- NCPD Webinar Series: "Webinar on Foresight for Crop Pest Management in Research", May 16, 2022 via zoom
- Webinar: Through the wells of ELISA, Basics and Applications of Enzyme-Linked Immunosorbent Assay, April 27, 2022 via zoom
- Equipment Calibration and Maintenance Workshop, at OP board room held on March 25 & 29 2022
- Equipment Calibration and Maintenance Workshop, held at RDE hall on February 21, 2022
- 10th SEAMEO-University of Tsukuba Symposium: Teacher Education in the Past, Current, and Challenges for Future, February 10, 2022 via zoom

2021

- "Management of Fall Armyworm" held on December 6, 2021 via zoom
- "Emerging and re-emerging *Phytoplasma* diseases and detection techniques using PCR and LAMP" via zoom on November 25, 2021.
- "Molecular Techniques in Abaca Breeding" via zoom on November 11-12, 2021.
- MicrobioMSS webinar: "A Dual-Mechanism Antibiotic Kills Gram-Negative Bacteria and Avoids Drug Resistance" via zoom on October 14, 2021.
- Pest Management Council of the Philippines 53rd Anniversary and Annual Scientific Conference, July 6-7, 2021

- PPL-IPB Webinar: "Underground killers: Major Soilborne Diseases of Potatoes", April 6, 2021
 - PPL-IPB Webinar: Integrated Disease Management Tools for Summer Crops in Australia's Northern Cropping Region, March 19, 2021
 - Strategic Planning and Impact Assessment Training, March 3-4, 2021
- 2020
- Workshop on Design Information Education and Communication Material Development, December 10-11, 2020
 - PPL-IPB Webinar: New Developments in *Fusarium oxysporum* f. sp. *cubense* diagnostics, August 28, 2020
 - PPL-IPB Webinar: Screening for Resistance in Tomato against Root-Knot Nematode using a Molecular Marker and Biochemical Analysis, August 27, 2020
- 2019
- NARC Seminar Series: A Reliable and Sensitive Virus Diagnostics in Screening of Abaca Germplasm Accessions for Resistance against Abaca Bunchy Top Viruses. April 2, 2019
- 2018
- AAACU 22nd Biennial Conference and General Assembly at Visayas State University, Baybay City, Leyte. Oct. 16-18, 2018

CURRENT ADDRESS

- Apt. No. 23, Maple Apartments, Escalante Compound, Barangay Guadalupe (Utod), Baybay City, Leyte, 6521-A

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DATE AND PLACE OF BIRTH

28 May 1993 Baybay, Leyte, Philippines

PERSONAL

STATUS Married

INTERESTS Research, Travelling, and Dogs