

REZEL SAGARINO BORINES

PhD Student in Plant Pathology | Graduate Research Assistant
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CONTACTS

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LINKS

LinkedIn:
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[Rezel Borines - Google Scholar](#)

SKILLS

Molecular Disease Diagnosis

Crop Production and Management

DNA Isolation and Purification

DNA extraction, amplification, and characterization

Experimental design and Stat Analysis

Project Management

Research & Writing

ELIGIBILITY

R.A. 1080- Licensure Examination for Agriculturist (LEA) Passer

P.D. 907- Honor Graduate Eligible (HGE)

EDUCATION

Doctorate degree, University of Florida

PhD in Plant Pathology
Fall 2024- Present

Master's degree, University of the Philippines Los Baños

Master of Science in Plant Pathology
Minor in Molecular Biology and Biotechnology
Scholar, DOST-ASTHRDP-NSC | 2015-2017

Baccalaureate degree, Visayas State University

BS in Agriculture major in Crop Protection (Cum Laude)
College Scholar and PARRFi Scholar | 2009-2013

WORK EXPERIENCE

Graduate Research Assistant, University of Florida | Fall 2024- Present

Research Project: Evaluating regional aerial fungal spore sampling techniques for improved early pathogen detection in potato and watermelon diseases

Instructor, Caraga State University, Butuan City | August 2017 to January 2024

Taught basic courses Agriculture including Principles in Crop Protection, Approaches and Practices in Pest Management, and Methods of Agricultural Research

Science Research Assistant (SRA), Visayas State University | April 2013- 2015

Research project: The Integrated Crop Mgt (ICM) to enhance vegetable profitability and food security in the Southern Philippines and Australia

RESEARCH FUNDED PROJECTS

Towards Management of Abaca Virus Disease Using Sensitive Tools: Updating Nature of Diseases and Incidence DA-Biotech, May 2022- April 2023 | Study Leader

Effects of Microbe-loaded Biochar on Soil Fertility, Microbial Diversity, and Soil-borne Diseases in Organic Vegetable Production DOST- PCAARRD, February 2022- January 2023 | Study Leader

Upgrading of Plant Disease Diagnostic Laboratory for Molecular Detection and Characterization of Bunchy Top Affecting Abaca Farms and Breeding of Virus-resistant Variety with High Fiber Quality and Yield in Caraga Region DA-BIOTECH, May 2020 - November 2021

Strengthening Urban Agriculture: A Strategy for Ensuring Food Availability Amidst the Threat of CoViD-19 in the Caraga Region DOST- PCAARRD, March 2020 - June 2021

R&D Program on the Use of Biotechnology to Modernize Production of High Value Crops, CSU-RAF, January - December 2021

PUBLICATIONS AND PROCEEDINGS

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

F Sta. Cruz, N Habili, Q Wu, R Sagarino & J Randles (2021). Detection of 'Candidatus Phytoplasma luffae' in Sponge Gourd, Bitter Gourd and Bamboo from Laguna in Luzon, Philippines. *Philippine Agricultural Scientist*. 104:181-185.

LM Borines, JAC Nuñez, ND Duero, RS Borines and RG Gerona: 2020. Detection and molecular characterization of phytoplasma affecting vegetables in Eastern Visayas, Philippines. *Annals of Tropical Ecology*.

LM Borines, JAC Nuñez, ND Duero¹, RS Borines and RG Gerona: 2020. Inventory and incidence of plant diseases affecting vegetables in selected areas in the Visayas and Mindanao. *Annals of Tropical Ecology*.

RM Sagarino and FC Sta. Cruz. Molecular Detection of Phytoplasma in Selected Areas in the Philippines. 2018. Scitech4Dev2018. Caraga State University.

LM Borines, RM Sagarino, FR Cañete, EL Oclarit¹, ZC Gonzaga, S McDougall and L Tesoriero¹. 2017. Managing major diseases of tomato (*Solanum lycopersicum* L.) using resistance elicitors and protected cultivation. Annals of Tropical Ecology

AWARDS RECEIVED

Best Paper Award | Development Category

Strengthening urban agriculture: strategy for ensuring food availability amidst the threat of CoVid-19 in the Caraga Region
Regional symposium on research and development 2022
Butuan City

Best Extension Project

Pasidungog 2021, Caraga State University

Special Presidential Citation Award

Pasidungog 2021, Caraga State University

3rd Place, Paper Presentation

Molecular detection of phytoplasma associated with little leaf disease of bitter gourd and witches' broom of sponge gourd in selected areas in the Philippines
SciTech4Dev 2018, Annual Scientific Conference

Honorary Member

Phi Sigma Biological Society 2017

S&T Delegate

Japan-East Asia Network of Exchange Students and Youths (JENESYS) 2017

Cum laude graduate

Visayas State University

SCIENTIFIC SOCIETIES

American Phytopathological Society- Southern Division

Philippine Association of Agriculturists

Philippine Fruit Association

Philippine Society for the Study of Nature

Crop Science Society of the Philippines

Phi Sigma Honor Society
