

CURRICULUM VITAE

MA. GWENETH MANACPO ABIT

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CAREER GOALS

I aim to contribute to agricultural education by teaching innovative practices in agriculture. My goal is to equip students with the knowledge and skills to promote global food security and environmental sustainability by bridging scientific research with practical application.

I. EDUCATIONAL BACKGROUND

Ph.D. in Crop Science. Oklahoma State University, Stillwater, Oklahoma, 74075. December 2024.

Major: Agronomy

Thesis: Physiological response of agronomic crops to nutrient management and abiotic stress

M. S. in Agronomy. Visayas State University, Visca, Baybay City, Leyte. June 2017.

Minor: Horticulture

Thesis: Growth and yield of lowland rice (*Oryza sativa* L.) as influenced by different nutrient management and tillage practices under a zero synthetic pesticide production system

B. S. in Agriculture. Visayas State University, Visca, Baybay City, Leyte. May 2014.

Major: Plant Breeding

Thesis: Storage root shape variation and yield performance of different sweet potato (*Ipomoea batatas* (L.) Lam.) genotypes grown in sandy loam and loamy soils

II. ELIGIBILITY

Agriculturist: PRC Registration Number 0020362. June 25, 2014

National Certificate III in Agricultural Crops Production. July 5, 2015 to July 5, 2020.

Department of Labor and Employment, Technical Education and Skills Development Authority

II. EMPLOYMENT

Graduate Teaching Assistant. Oklahoma State University. Department of Plant and Soil Science. Ferguson College of Agriculture. Stillwater, Oklahoma, 74075. Spring 2021- Spring 2024.

Graduate Research Assistant. Oklahoma State University. Department of Plant and Soil Science. Ferguson College of Agriculture. Stillwater, Oklahoma, 74075. Summer 2021- Fall 2024.

Instructor I. Visayas State University. Department of Agronomy. Baybay City, Leyte.

- Courses taught:

Course Number	Class Type	Descriptive Title
CropSc21	Laboratory	Principles of Crop Production
Agro121	Lecture	Root Crops
AgSc11	Lecture	Introduction to Agriculture
Agro21	Lec/Lab	Fundamentals of Crops Production
Agro143	Laboratory	Forage and Pasture
Agro144	Laboratory	Cereal Production
FS121	Laboratory	Fundamentals of Farming System

- Academic and Thesis Adviser of 8 undergraduate students
 - Evaluation of Lowland Hybrid Rice (*Oryza sativa* L.) Genotypes Under VSU Condition
 - Influence of Seedling Age and Fertilizer Application on the Growth of Lowland Rice (*Oryza sativa* L.) Seedlings
 - Agronomic Response of Napier Grass (*Pennisetum purpureum* Schum.) to Different Planting Positions
 - Agronomic and Nodulation Performance of Mungbean (*Vigna radiata* L.) as Influenced by Various Organic Fertilizer
 - Agronomic Response of Hybrid Rice (*Oryza sativa* L.) var. NSIC Rc314h to Age of Seedlings at Transplanting
- Member of Science Research Committee and Graduate Advisory Committee

Agricultural Technician II. Philippine Rice Research Institute. Los Baños, Laguna. October 2014 – March 2015.

- Trained 30 potential rice seed growers in Region 8 on inbred seed production and certification.
- Conducted field-based research on Green Super Rice (GSR) lines and Korean rice varieties under different nutrient management schemes.
- Distributed GRS lines to farmer cooperators and newly released inbred lowland rice varieties to seed growers.

- Organized forums to promote information dissemination, experience, and genetic materials on inbred rice and its technologies.
- Collaborated with other research scientists to exchange ideas, data, and other items to maximize research efficiency.
- Summarized project results and prepared progress reports for supervisor and funding agency.
- Collaborated with Municipal Agriculturist/Municipal Agricultural Officers in the region to provide farmers with profitable rice management recommendations.
- Designed and laid-out certificates for conducted trainings.

Training Assistant. Agricultural Training Institute – Regional Training Center VIII. July 2014 to September 2014.

- Provided technical and new technology trainings to farmers and extension agents/technician in the region.
- Assisted in the implementation on demonstration farm activities in the region.
- Built relationships with internal and external stakeholders. This includes academia, seed partners, government, and industry groups.
- Coordinated with resource persons on training implementations to keep trainings operate effectively and efficiently.
- Designed and laid-out tarpaulins, certificates, and ID cards for conducted trainings.

Enumerator. Food and Agriculture Organization for the United Nations (FAO). May 2014.

- Conducted survey to evaluate the impact of distributed rice seeds to farmers' livelihood and socio-economic status.
- Built relationships through working closely with farmers and other research and extension personnel to keep survey program operate efficiently.
- Summarized survey results and prepares progress reports for supervisor and funding agency.

III. RESEARCH AND EXTENSION PRESENTATIONS

Abit, M.G.M. Impact of Delayed Nitrogen Application to Physiological Traits in Grain Sorghum at Different Plant Population Density. March 16-19, 2025. International Agri-Life and Bioresource Sciences Symposium. Visayas State University, Baybay City, Leyte.

Abit, M.G.M. Sorghum Production and Nutrient Management. Agronomy 360: The Art, Science, and Practices of Agronomy. February 12, 2025. Department of Agronomy, Visayas State University, Baybay City, Leyte.

Abit, M.G.M. Impact of Redacted Course Notes in an Introductory Agronomy Course at Oklahoma State University: Pre and Post COVID-19. June 20-24, 2023. North American Colleges and Teachers of Agriculture. Las Cruces, New Mexico.

Abit, M.G.M. Meteorology and the El Niño Phenomenon. March 12, 2019. Radio Program "Mga Heredero sa Kinaiyahan". VSU DYDC-FM. VSU, Baybay City, Leyte.

Abit, M. G. M. Growth and yield of lowland rice (*Oryza sativa* L.) as influenced by different nutrient management and tillage practices under a zero synthetic pesticide production system. October 15-19, 2018. AAACU 22nd Biennial Conference "Harnessing Education as a Vehicle for Sustained Growth in Asia. Visayas State University.

Abit, M. G. M. Integrated Rice Nutrient Management. Minimum tillage and hybrid rice production. May 29, 2018. CAFS-Visayas State University, ATI-RTC VIII, BDANI, LGU-Baybay.

Abit, M. G. M. Growth and yield of lowland rice (*Oryza sativa* L.) as influenced by different nutrient management and tillage practices under a zero synthetic pesticide production system. May 24-25, 2017. 2nd International Science Graduate Scholars' Conference. Philippine International Convention Center, Pasay City, Philippines.

Abit, M. G. M. New upland and lowland rice varieties in Region 8. Basic training course on inbred rice seed production and certification. January 26-30, 2015. ATI-RTC VIII, VSU, Baybay City, Leyte.

V. RESEARCH AND EXTENSION PROJECTS

Project Leader- National Cooperative Testing for Hybrid Rice (NCT-HR), VSU Station. August 2018- July 2019

- Established field experiment according to the approved protocol stipulated in the MOA.
- Supervised the day-to-day maintenance of the field experiment and communicate with Philippine Rice Research Institute (PhilRice) regarding inevitable and uncontrollable problems that were encountered in the conduct of the trials.
- Gathered and analyzed data accordingly
- Submitted technical and financial reports to PhilRice at the end of every season's trial and audited financial report sixty (60) days after the completion of the second season trial.

Co-study Leader- CAFS. 1114.17. Effects of Minimum Tillage, Zero Pesticide and the Use of Natural Pesticide in Irrigated Lowland Rice. August 2018- July 2019

- Conduct and manage the research with team members based on the approved protocol.
- Ensures submission of quarterly progress reports.
- Presents progress and knowledge products during Annual RDE IN- House Review.

VI. PUBLICATIONS

Perspective Chapter: Management of Weeds in Organic Farming System – Special Focus on Organic Vegetable Farms of the USA. BOOK TITLE: Weed Management - Global Strategies. ISBN: 978-0-85466-623-2

VII. TRAININGS AND SEMINARS ATTENDED

Writing Papers for Peer-Reviewed Publication. January 14-17, 2020. Break-up Room, OVPRE, Visayas State University, Visca, Baybay City, Leyte. Visayas Consortium for Agriculture, Aquatic and Natural Resources Program (ViCARP).

Short course training and workshop on food value chain. October 7-11, 2019. Golden Peak Hotel, Cebu City, Philippines. ASEAN.

National Cooperative Testing Retooling. May 29-30, 2019. Philippine Carabao Center, Science City of Muñoz, Nueva Ecija, Philippines. Philippine Rice Research Institute.

2019 SUC-ACAP, Inc. Annual Convention. May 22-24, 2019. Visayas State University, Baybay City, Leyte. State Universities and Colleges-Association of Colleges of Agriculture in the Philippines, Inc. (SUC-ACAP, Inc.)

Quality Assurance and Compliance- Part 2. September 6-7, 2018. Mère Marie Anne de Tilly Function Hall, St. Paul University, Quezon City. PALEU.

6th National Congress and 2018 Philippine Agriculturists' Summit with the theme "Climate Change Adaptation and Disaster Risk Reduction: Role of Philippine Agriculturists". July 22- 26, 2018. Philippine Association of Agriculturists.

Ecological Research: Methods and data Analysis. July 6, 2018. Philrootcrops, Training hall, Visayas State University, Visca, Baybay City, Leyte. VSU

Leadership seminar and values reorientation. February 24, 2018. Visayas State University-Credit Cooperative.

OPSI sugarcane farm management training. February 20-22, 2018. Sugar Regulatory Administration

Echo seminar-workshop on the 1st association of education researchers and trainers (ASSERT) national convention on outcome-based education. February 7, 2018. Visayas State University

Intellectual property foundation course. December 5-6, 2017. Visayas State University

Seminar-Workshop on Innovative Teaching Strategies. September 14-15, 2017. Visayas State University.

Seed production and management training. July 7-10, 2015. Food and Agriculture Organization of the United Nations.

Skills development in animal production, slaughtering operation and cultural management practices of different agronomic and horticultural crops. Visayas State University.

Training on rice and rice-based technologies for areas affected by super-typhoon Yolanda. May 20-27, 2014. Philippine Rice Research Institute.

VIII. SCHOLARSHIPS AND ASSISTANTSHIP

Ferguson College of Agriculture, Plant and Soil Science Assistantship Grants-OSU, 2021-2024

DOST- SEI ASTHRDP Scholarship, 2015-2017

CAFAP Scholarship, 2010-2014

IX. ORGANIZATIONAL AFFILIATION

North American Colleges and Teachers of Agriculture (NACTA)

Member, June 2023- Present

Philippine Alliance of Laboratory Equipment Users (PALEU)

Member, September 2018- 2019

Crop Science Society of the Philippines Inc. (CSSP)

Member, July 24, 2018- 2019

Philippine Association of Agriculturists, Inc. (PAA)

Member, July 24, 2018- Present

938 Kabalikat Civicom- Baybay Chapter

Member, 2017- 2019

Agronomy Majors Association (AMA)

Adviser- August 2017-2019

VSU Association of Plant Breeding Majors

Auditor, 2013-2014

Treasurer, 2012-2013

Association of Freshman and Sophomore Agriculture Students

Member, 2010-2011

REFERENCES

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