

## PERSONAL INFORMATION



## Jay Darryl Labrador Ermio

Permanent Address: Purok Cabayabasan, Barangay Abuanan, 6101 Bago City, Negros Occidental, Philippines

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Sex Male | Date of birth 20/November/1994 | Nationality Filipino (Philippines)

## JOB APPLIED FOR

## Assistant Professor IV

## WORK EXPERIENCE

October 1, 2020 - Present

## Instructor I (Faculty)

Department of Pest Management, Visayas State University (Visca, 6521-A Baybay City, Leyte, Philippines)

▪ Instruction, Research and Extension.

Business or sector Government Entity

June 1, 2016 – August 30, 2018

## Science Research Assistant

Dr. Maria Juliet C. Ceniza (Director, National Coconut Research Center-Visayas, Visca, 6521-A Baybay City, Leyte, Philippines)

▪ Identification of major pests and diseases of queen pineapple under diff. cropping schemes; identify potential naturally occurring biocon agents against major pest and diseases of QP; establish the population dynamics of insect pests of QP; data base on diseases severity, incidence and prevalence of QP in order to develop effective mgt. strategies; IEC materials for pests and diseases associated with QP as field guide for identification, diagnosis and surveillance and their sustainable mgt.

Business or sector Government Entity

May – June 2014

## Student Assistant

Dr. Erlinda A. Vasquez (Director, Philippine Root Crops Research Center VIII, Visca, 6521A Baybay City, Leyte, Philippines)

▪ Field works such as sweet potato stem cutting (as plant propagule), watering, weeding, and planting; Office cleaning and arranging of laboratory equipment.

Business or sector Government Entity

April 17 – May 3, 2013

## Student Volunteer

Philippine Rice Research Institute Negros Branch, Cansilayan, Murcia, Negros Occidental, Philippines

▪ Administration and Finance Division: Contract Numbering, Recording in Logbook and Filling up  
 ▪ Social Security System remittance form for 1st Quarter of 2013, Gardening and Plant Propagation.  
 ▪ Research and Development Division: PalayCheck and Research Activities  
 ▪ BDO (Business and Development): Warehouse Management, Seed Inventory and Recording  
 ▪ Development Division: Palayamanan (Cultivation of crops aside from rice production) and Trainings

Business or sector Government Entity

## EDUCATION AND TRAINING

Nov 1, 2021-Jan 29, 2025

### Doctor of Philosophy with a focus on Chemical Ecology (Plant-Microbe-Insect Interactions)

University of Palermo, Italy

(with an 8-month research stay at Georg-August Universität Göttingen, Germany)

Sept 2018 – Sept 2020

### Joint Master's Degree (Erasmus Mundus Scholarship)

Georg-August Universität Göttingen, Germany (M1)

▪ **Master of Science in Crop Protection**

Universitat Politècnica de València, Spain (M2)

▪ **European Master's Degree in Plant Health in Sustainable Cropping Systems**

June 11 – July 31, 2019

### Internship

Department of Crop Science – Agricultural Entomology, Faculty of Agricultural Science, Georg-August Universität Göttingen, Germany

June 2011 – April 2016

### Tertiary (College Degree) – *Magna cum laude* (NOSP – PAGKAON Scholarship)<sup>4</sup>

Visayas State University, Visca, 6521-A Baybay City, Leyte, Philippines

▪ **BS in Agriculture** (Major in Plant Protection Specializing in Entomology)

October 2014 – March 2015

### Undergraduate Exchange Program (Experts4Asia-Erasmus Mundus Scholarship)

Georg-August Universität Göttingen, Germany (Six-month Exchange Studies)

▪ **BS in Molecular Ecosystem Sciences**

June 2011 – April 2013

### Ladderized Program – *With High Honors*

Visayas State University, Visca 6521-A Baybay City, Leyte, Philippines

▪ **Certificate of Agriculture Science**

June 2011 – March 2012

### Reserve Officers Training Corps Component of the National Service Training Program

Visayas State University, Visca 6521-A Baybay City, Leyte, Philippines

▪ Trainings include Rescuing and Providing First Aid Assistance taught by the Philippine Disaster and Risk Reduction Management Council, etc.

June 2017 – April 2011

### Secondary Education (High School) – *Valedictorian*

Cansilayan National High School, Murcia, Negros Occidental, Philippines

June 2001 – April 2007

### Elementary Education – *First Honorable Mention*

Abuanan Elementary School, Bago City, Negros Occidental, Philippines

# Seminars/ Training/ Workshop/ Conference/ Symposium

- Assessment in Learning: Training Workshop on Standardizing Test Questions. VSU. 20-21 March 2025.
- XV Annual Meeting of European PhD Schools in "Insect Science" in Florence, Italy, on 13-15 Nov 2024
- 39th Annual Meeting of the International Society of Chemical Ecology at The Czech University of Life Sciences on 14-18 July 2024
- XXVII Italian National Congress of Entomology, Palermo, Italy on 12-16 June 2023
- Biological control as a conservation science: Protecting Darwin's Finches from an invasive parasite by George Heimpel of the University of Minnesota. University of Catania. 7 Dec 2022.
- XIII Annual Meeting of European PhD Schools in "Insect Science" in Florence, Italy, on 16-18 Nov 2022
- 3rd Joint of International Society of Chemical Ecology-Asia and the Pacific Association of Chemical Ecology, 8-12 August 2022, Kuala Lumpur, Malaysia
- International Symposium on Biological Control of Arthropods, British Columbia, Canada on 15-17 and 22-25 March 2022. Via online.
- TR4-Resistant Banana Varieties: From Selection to Market Demand by Food and Agriculture Organization and World Banana Forum. 9-10 January 2022
- Plants as a bioreactor for producing recombinant biopharmaceutical proteins "Green vaccines": plants for vaccine production and Omics to study plant virus vector interactions: Tomato spotted wilt virus as a case study. 19 Nov 2021
- Science Communication webinar with Dr Sam Illingworth. EURAXESS ASEAN. March 30, 2021
- MNH Biodiversity Seminar on "The multidisciplinary of insects within the sciences: From solving crimes to answering evolutionarily significant questions" delivered by Royce Cumming of the American Museum of Natural History. UPLB Museum of Natural History. March 19, 2021
- EURAXESS ASEAN Career Development Series "How to prepare a good PHD research proposal." EURAXESS ASEAN. March 15, 2021
- Tracking down the invisible killer: Molecular tools to detect and quantify grapevine trunk disease pathogens by Dr. Reginald Billones-Baaijens of the National Wine and Grape Industry Centre, Charles Sturt University, Australia. Plant Pathology Laboratory-IPB, UPLB. March 2, 2021
- Protecting Germplasm Health from Pathogens and Pests by Dr Lava Kumar. Plant Pathology Laboratory-IPB, UPLB. February 24, 2021
- The Buzzing *Beezness*" Aggie Ps Talk 3.0: Moving forward in challenging times through Agripreneurship. CAFS UPLB. February 16, 2021
- ScienceDirect Articles and Journals: Choosing the Right One for Your Research. DOST PCIEERD and Elsevier. January 29, 2021
- Elsevier South East Asia Publishing Workshop: An Introduction to Scholarly Publishing (Publication and Manuscript Preparation with a Chemistry Editor and Publisher). Research Academy on Campus (ELSEVIER). October 27, 2020
- Mindanao-Wide Webinar on OMICS Research. Philippine Genome Center Mindanao. October 9, 2020
- Food security challenges and opportunities under the new normal. Webinar during DOST-PCAARRD 9<sup>th</sup> Year of Excellence. June 30, 2020.
- Bug's 101: Insect-Human Interactions (ELE3ZS2ZGAWW). University of Alberta (Coursera). June 28, 2020.
- Data Scientist's Toolbox (KKKWEZRBQNSN). Johns Hopkins University (Coursera). June 22, 2020.
- Rethink Plastic Webinar Series: "Discover the Second Life of Plastics". Rethink Plastic Organization Inc. 2020.
- Discover best practice farming for sustainable 2050 (RTM3MEPXXEB6). The University of Western Australia (Coursera). June 15, 2020.
- The sustainable development goals – A global, transdisciplinary vision for the future (4DBJFQWN42LF). University of Copenhagen (Coursera). June 14, 2020.
- Managing your personal finances (7QohU17RN8). eTESDA. June 6, 2020.
- Fruit Grower TOP Course (6p2eFfdpsD). eTESDA. June 6, 2020.
- 2018 Regional Abaca Summit. Abaca Coalition of Eastern Visayas. June 20-21, 2018.
- 29<sup>th</sup> Joint VICAARP and RRDEN Regional Research, Development and Extension Symposium. Office of the Vice President for Research and Extension Hall, Visayas State University, Philippines, November 27-28, 2017.
- 25<sup>th</sup> National Fruit Symposium. PhilFruits Association, Inc. Held in Puerto Princesa City, Palawan, Philippines, November 7-10, 2017.
- Training-Writeshop on IEC Materials Preparation for the Research Program entitled: "Enhancing Productivity and Marketability of Queen Pineapple". Visayas State University, Philippines, August 30 to September 1, 2017.
- Training on sustainable livelihood option for NGP Implementers in Eastern Visayas through Beekeeping under coconuts. Visayas State University. July 27-29, 2017.
- Pest Management Council of the Philippines, Inc. 49<sup>th</sup> Anniversary and Annual Conference. PMCP, Inc., College of Agriculture and Food Science, University of the Philippines, Los Baños, Laguna. Held at Crown Regency Resort and Convention Center, Boracay Island, Malay, Aklan, Philippines, May 9-12, 2017.
- 28<sup>th</sup> Joint VICAARP (Visayas Consortium for Agriculture, Aquatic and Resources Program) and RRDEN (Regional Research, Development and Extension Network) Regional RDE (Research, Development and Extension) Symposium. Office of the Vice President for Research and Extension Hall, Visayas State University, 2016.
- Value orientation and skills training on coconut-based banana and corn intercropping. NCRC-V. June 6-8, 2016.
- Organic Agriculture and Urban Farming Education. Department of Liberal Arts and Behavioural Sciences, Visayas State University, February 23, 2016.
- Advocacy Orientation Seminar on Organic Agriculture for the Youth in the 2<sup>nd</sup> National Organic Agriculture Scientific Conference. Organic Agriculture Society of the Philippines, Inc., February 18, 2016.
- International Museum Day Celebration 2014 and Capability Building Workshop on Culture and Heritage (Eastern Visayas Leg). Eastern Visayas Association of Museums. June 13-14, 2014.
- Leadership Enhancement Seminar. Student Organization Unit, Visayas State University, 2013.
- Facilitators Training Workshop. USSO, Visayas State University, 2013.
- Developing Entrepreneurial Skills Seminar. PHRMO, Negros Occidental, Philippines, 2013.
- Personality Development Seminar. PHRMO, Negros Occidental, Philippines,
- Self-Awareness and Values Clarification Seminar. PHRMO, Negros Occidental, Philippines. 2011.

### Honors and awards

- Awarded as the Best Poster in the Virtual Category at the 3rd International Society of Chemical Ecology (ISCE) and the Asia-Pacific Association of Chemical Ecologists (APACE) Joint Meeting in Kuala Lumpur, Malaysia on August 8-12, 2022.
- Awarded scholarship for PhD at the University of Palermo (Ciclo XXXVII)
- Awarded Erasmus Mundus Scholarship to study MS Plant Health in Sustainable Cropping Systems.
- Civil Service Eligibility (Honor Graduate Eligibility) Grantee Pursuant to PD No. 907. Civil Service Commission, Regional Office No. 8. April 2016 .
- Magna cum laude. Visayas State University. April 2016
- High Scholastic Achievement Award (University Honoree 2<sup>nd</sup> Semester 2013-2014). Visayas State University. 2015.
- High Scholastic Achievement Award (University Honoree 2<sup>nd</sup> Semester 2012-2013 , 1<sup>st</sup> Semester 2013-2014). Visayas State University, 2014.
- University Honoree 2<sup>nd</sup> Semester (2012-2013), 1<sup>st</sup> Semester (2013-2014). Negros Occidental Scholarship Program, Negros Occidental, Philippines, 2013.
- High Honors. Commencement Exercises, Visayas State University, 2013.
- High Scholastic Achievement Award (University Honoree 2<sup>nd</sup> Semester 2011-2012, Summer 2012 and 1<sup>st</sup> Semester 2012-2013). Visayas State University, 2013.
- University Honoree 2<sup>nd</sup> Semester (2011-2012), 1<sup>st</sup> Semester (2012-2013). Negros Occidental Scholarship Program, Negros Occidental, Philippines, 2012.
- High Scholastic Achievement Award (University Honoree 1<sup>st</sup> Semester 2011-2012). Visayas State University, 2012.

### Memberships

- Full Member of the Philippine Association of Entomologists, Inc. Professional Society under the Pest Management Council of the Philippines, Inc. 4 April 2025-2026.
- Regular Member of PhilFruits Association, Inc. Professional Society. November 2017-October 2018.
- Regular Member of the Philippine Association of Entomologists, Inc. Professional Society under the Pest Management Council of the Philippines, Inc., May 2017 - April 2018.
- Treasurer of the College of Agriculture and Food Science Supreme Student Council. Course related Organization, CAFS, Visayas State University, 1<sup>st</sup> Semester 2014-2015.
- President of the Plant Protection Majors Association. Course related Organization, Department of Pest Management, Visayas State University, 2013-2014.
- Vice President of the Hugpong Ilonggo. Regional Organization, Student Organization Unit, Visayas State University, 2013-2014.
- Head Committee on Education in Mahogany Men's Hall. Visayas State University, 2013-2014.
- Vice President of the Hugpong Ilonggo. Regional Organization, Student Organization Unit, Visayas State University, 2012-2013.
- Auditor of the Association of Freshman and Sophomore Agriculture Students. Course related Organization, Visayas State University, 2011-2012.

## PhD Thesis

- **Ermio, J.D.L.**, 2024. Role of nectar-inhabiting fungi for egg parasitoids in the context of conservation biological control. University of Palermo, Italy. 105 pp. <https://tesidottorato.depositolegale.it/handle/20.500.14242/189042>

## Master's Thesis

- **Ermio, J.D.L.**, Erban, T., Armengol, J., & Pekas, A. 2020. Chronic effects of sulfoxaflo and acetamiprid on bumblebees and springtails. *Master's thesis, Universitat Politècnica de València, Spain & Crop Research Institute, Prague, Czechia*. 54p. (Unpublished)

## Internship Report

- **Ermio, J.D.L.** & Lusebrink, I. 2019. Elucidating food preferences of *Agriotes obscurus* (L.) wireworms (Coleoptera: Elateridae) with the help of a belowground olfactometer. *Internship Report, Georg-August Universität Göttingen, Germany*. 16p. (Unpublished)

## Undergraduate Thesis

- **Ermio, J.D.L.**, Ceniza, M.J.C. & Gapasin, R.M. 2016. Potential of two isolates of entomopathogenic nematodes as biological control agents against coconut rhinoceros beetle, *Oryctes rhinoceros* (L.) (Coleoptera: Scarabaeidae). *Undergraduate thesis, Visayas State University, Baybay City, Leyte, Philippines*. 66p. (Unpublished)

## Scientific Posters

- Oral presenter: Neglected microbes in floral nectar: Influence of filamentous fungi on nectar traits and parasitoid's olfaction and performance (Authors: **JDL Ermio**, A Cusumano, P Bella, E Peri, M Rostas, S Guarino, and S Colazza) presented at the XV Annual Meeting of European PhD Schools in "Insect Science" in Florence, Italy, on 13-15 November 2022
- Oral presenter: Plant-Microbe-Insect Interactions: Nectar-inhabiting filamentous fungi affect the olfactory response of egg parasitoids. (Authors: **JDL Ermio**, A Cusumano, P Bella, E Peri, M Rostas, S Guarino, and S Colazza) presented at the 39th Annual Meeting of the International Society of Chemical Ecology at The Czech University of Life Sciences on 14-18 July 2024.
- Oral presenter: Filamentous fungi isolated from buckwheat nectar affect the olfactory response of stink bug egg parasitoids. (Authors: **JDL Ermio**, A Cusumano, M Rostas, P Bella, E Peri and S Colazza) presented at XXVII Italian National Congress of Entomology, Palermo, Italy, on 12-16 June 2023.
- Oral Presenter: Nectar-dwelling filamentous fungi affect nectar attraction and survival of the stink bug egg parasitoids *Trissolcus basal* and *Ooencyrtus telenomicida*. (Authors: **JDL Ermio**, A Cusumano, P Bella, E Peri, M Rostas, and S Colazza) presented at the XIII Annual Meeting of European PhD Schools in "Insect Science" in Florence, Italy, on 16-18 November 2022
- Poster presenter: The "Hidden Player": Nectar-inhabiting microbes mediate interactions between flowering plants and parasitoids in conservation biological control. (Authors: **JDL Ermio**, A Cusumano, P Bella, E Peri, M Rostas, S Guarino, B Lievens, S Colazza) – **Awarded as the Best Poster in the Virtual Category** at the 3rd International Society of Chemical Ecology (ISCE) and the Asia-Pacific Association of Chemical Ecologists (APACE) Joint Meeting in Kuala Lumpur, Malaysia on August 8-12, 2022.
- Ceniza, M.J.C., Oclarit, E.L., Millado, J.B.H., Gerona, R.G., **Ermio, J.D.L.**, & Ladaran, M.C. November 2019. Major pests and diseases of queen pineapple and potential strategies for control. *31<sup>st</sup> Joint Visayas Consortium for Agriculture, Aquatic and Resources Program; Regional Research, Development and Extension Network Regional RDE Symposium; and 1<sup>st</sup> PhilARM Convention. Visayas State University, Leyte, Philippines*. (Best Paper and Outstanding RDE Paper for Basic Research Project Category)
- Ceniza, M.J.C., Oclarit, E.L., Millado, J.B.H., & **Ermio J.D.L.** November 2017. Assessment and monitoring of pink pineapple mealybug (*Dysmicoccus brevipes* Ferris) and *Phytophthora* disease of queen pineapple in Leyte. *PhilFruits Association, Inc. 25<sup>th</sup> National Fruit Symposium. Puerto Princesa City, Palawan, Philippines*.
- Ceniza, M.J.C., Alegre, A.C., Oclarit, E.L., **Ermio, J.D.L.**, & Napoles, C.O. May 2017. Development of site specific integrated pest management of queen pineapple under different cropping schemes in Leyte and Camarines Norte. *Philippine Phytopathological Society, Inc. Fellowship during the Pest Management Council of the Philippines, Inc. 49<sup>th</sup> Anniversary and Annual Conference. Boracay Island, Malay, Aklan, Philippines*.

## Publications

- Ermio, J.D.L.**, Peri, E., Guarino, S. et al. Neglected Microbes in Floral Nectar: Influence of Filamentous Fungi on Nectar Scent and Parasitoid Olfactory Responses. *J Chem Ecol* 51, 33 (2025). <https://doi.org/10.1007/s10886-025-01586-2>

Sarakatsani, E., **Ermio, J. D. L.**, Rahman, S., Bella, P., Agrò, A., Pinto, M. L., Peri, E., Colazza, S., Lievens, B., Rostás, M., & Cusumano, A. (2024). Nectar-inhabiting bacteria differently affect the longevity of co-occurring egg parasitoid species by modifying nectar chemistry. *Annals of Applied Biology*, 1–12. <https://doi.org/10.1111/aab.12959>

**Ermio, J. D. L.**, Peri, E., Bella, P., Rostás, M., Sobhy, I. S., Wenseleers, T., Colazza, S., Lievens, B. & Cusumano, A. (2024). The indirect effect of nectar-inhabiting yeasts on olfactory responses and longevity of two stink bug egg parasitoids. *BioControl* 69, 575–588. doi: <https://doi.org/10.1007/s10526-023-10237-y>

## Resource Speaker or Moderator

- Tech-Talk at DYDC-FM. Topic: What you need to know about beds and bugs? April 14, 2025
- Cultivating Curiosity: Engaging Young Learners in Pest Management and Soil Science. Bunga National High School. 2 April 2025.
- Training of Trainers for Hybrid Coconut Production and Management. Topic: Conservation Biological Control of Coconut Pests. 25-27 March 2025.
- Moderator. International Agri-Life and Bioresource Sciences Symposium. 16-19 March 2025.

## References

- Professor Josep Armengol  
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- Prof. Jesusito L. Lim  
Retired Professor and former head  
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