



# **PRELIMINARY SURVEY VISIT**

## **AREA V RESEARCH**

### **B. FUNDINGS AND OTHER RESOURCES**

#### **B.4. Profile of the Research Personnel/Staff**

## PROFILE OF THE RESEARCH AND DEVELOPMENT HEADS

The table below illustrates the profile of research and development heads of the University and of the program under survey.

Head	Name	Educational Attainment	Specialization	No. of Years of R & D Experience
<b>1. Institution's R &amp; D Head</b>				
<b>Vice Presidents for Research and Extension</b>	Debbie Marie B. Verzosa	PhD	Mathematics Education	<b>15</b>
<b>Director, USM Research and Development</b>	Lydia Pascual	PhD	Chemistry	<b>23</b>
<b>Director, Research Publication Services Office</b>	Jan Clyden B. Tenorio	PhD	Veterinary Public Health and Epidemiology	<b>6</b>
<b>2. Academic Unit's R&amp;D Head</b>				
<b>College Research Coordinator, College of Veterinary Medicine</b>	Josephine R. Flores, DVM,	MSc	Veterinary Physiology	<b>33</b>
<b>Department Research Coordinator, Department of Veterinary Medicine</b>	Jan Clyden B. Tenorio	PhD	Veterinary Public Health and Epidemiology	<b>6</b>
<b>Department Research Coordinator, Department of Veterinary Technology</b>	Roland Y. Fajardo, DVM	MSc	Animal Husbandry Engineering	<b>5</b>

Prepared by:

FLEURMINA EULA C. USOP

Department Research Coordinator, Department of Veterinary Technology

**DEBBIE MARIE VERZOSA (BAUTISTA)**      **DATE OF BIRTH:** 09/07/1978  
**Professor VI and Vice President for Research, Development and Extension**  
University of Southern Mindanao  
Email: [dmbverzosa@usm.edu.ph](mailto:dmbverzosa@usm.edu.ph)



**Work Experience:** Instructor to Assistant Professor, Ateneo de Manila University (2000-2015)  
Associate Professor, Ateneo de Davao University (2015-2016)  
Assistant Professor to Professor, University of Southern Mindanao (2017-present)

**Qualifications:**      **Doctor of Philosophy in Education (2012)**  
Macquarie University Sydney  
Recipient of the 2009 Higher Degree Research Excellence Award  
**Bachelor and Master of Science in Mathematics (2000; 2004)**  
Ateneo de Manila University

Top 9 Licensure Exam for Teachers (March 2017 Exam)

**Selected Scopus-Indexed Publications and/or International Book Chapters:**

- Vistro Yu, C. & Verzosa, D.M.B. (2024). Navigating around marginalizing complexities: the case of mathematics teachers in the Philippines. *ZDM – Mathematics Education*, 56, 335-346.
- De las Peñas, M. L. A. N., Garciano, A.D., Verzosa, D.M.B., & Tomenes, M. (2024). Symmetry groups of the Batak basketweave patterns. *Journal of Applied Crystallography*, 56, 1896-1906.
- Verzosa, D.M.B., De las Peñas, M. L. A. N., Aberin, M.A.Q., Garciano, A.D., Sarmiento, J.F., & Mallari, J.C.F., & Tolentino, M.A.C. (2022). Development of an App and Videos to Support the Fraction Learning Trajectory from Grades 1-7. Proceedings of the 30th International Conference on Computers in Education Conference [Scopus-indexed Conference] (pp. 336-344).
- De las Peñas, M. L. A. N., Aberin, M.A.Q., Garciano, A.D., Mallari, J.C.F., Sarmiento, J.F., Tolentino, M.A.C., Verzosa, D.M.B. (2022). Deployment of Mathematical Resources to a Philippine High School through a Community LTE Network. Proceedings of the 27th Asian Technology Conference in Mathematics [Scopus-indexed Conference] (pp. 126-140). Prague, Czech Republic: ATCM.
- Tolentino, M.A.C., De las Peñas, M. L. A. N., Aberin, M.A.Q., Garciano, A.D., Mallari, J.C.F., Sarmiento, J.F., Verzosa, D.M.B. (2022). Engaging Learners through Data: Senso Eskwela Pilipinas. Proceedings of the 27th Asian Technology Conference in Mathematics [Scopus-indexed Conference] (pp. 351-362). Prague, Czech Republic: ATCM.
- Verzosa, D.M.B., De las Peñas, M. L. A. N., Aberin, M.A.Q., Garciano, A.D., Sarmiento, J.F., & Tolentino, M.A.C. (2022). Development of a Gamified Number Line App for Teaching Estimation and Number Sense in Grades 1 to 7. Proceedings of the 29th International Conference on Computers in Education Conference [Scopus-indexed Conference] (pp. 649-657).
- De las Peñas, M. L. A. N., Verzosa, D.M.B., Aberin, M.A.Q., Garciano, A.D., Sarmiento, J.F., & Tolentino, M.A.C. (2021). Designing performance tasks in mathematics using technological tools. Proceedings of the 26th Asian Technology Conference in Mathematics [Scopus-indexed Conference] (pp. 211-225).
- Verzosa, D.M.B., De las Peñas, M. L. A. N., Sarmiento, J.F., Aberin, M.A.Q., & Tolentino, M.A.C. (2021). Using mobile technology to promote higher-order thinking skills in elementary mathematics. Proceedings of the 8th International Conference on Educational Technologies 2021, ICEduTech 2021 and 17th International Conference on Mobile Learning 2021, ML 2021 [Scopus-indexed Conference] (pp. 19-26).
- De las Peñas, M. L. A. N., Garciano, A. D., & Verzosa, D. (2021). Mathematics embedded in culture: The weaves of Batak basketry. *Philippine Studies: Historical and Ethnographic Viewpoints*, 69, 35-70.
- Verzosa, D. (2020). Community math stations as a learning opportunity for preservice teachers. *PRIMUS: Problems, Resources, and Issues in Mathematics Undergraduate Studies*, Advanced Online publication.
- De las Peñas, M. L. A. N., Verzosa, D.M.B., Aberin, M.A.Q., Garces, L.P.D.M., Francisco, F.F., Bautista, E.P., Tolentino, M.A.C., & Tabares, W.C. (2019). Digital simulations for Grade 7 to 10 mathematics. *Philippine Journal of Science*, 148, 743-757.
- Verzosa, D. (2019). Pre-service elementary teachers' reasoning in introducing multidigit subtraction. *International Journal of Mathematical Education in Science and Technology*, DOI: 10.1080/0020739X.2019.1647573
- Verzosa, D. & Vistro-Yu, C. (2019). Prospects and challenges in implementing a new mathematics curriculum in the Philippines. In T.T. Lam & C. Vistro-Yu (Eds.) *School Mathematics Curricula* (pp. 207-226). Singapore: Springer.
- Verzosa, D. De las Peñas, M.L.A.N., Aberin, M.A.Q., & Garces, L.P.D.M. (2018). App for addition and subtraction of integers. *International Journal of Technology in Mathematics Education*, 25, 21-33. DOI: 10.1564/tme\_v25.4.02.
- Verzosa, D. De las Peñas, M.L.A.N., Aberin, M.A.Q., & Garces, L.P.D.M. (2018). App-based scaffolds for writing two-column proofs. *International Journal of Mathematical Education in Science and Technology*. DOI: 10.1080/0020739X.2018.1500654.
- De las Peñas, M.L.A.N., Garciano, A. G., Verzosa, D. & Taganap, E. (2018). Crystallographic patterns in Philippine indigenous textiles. *Journal of Applied Crystallography*, 51, 456-469. DOI: 10.1107/S1600576718002182.
- Verzosa, D., Tulao-Fernando, M. T., & Vistro-Yu, C. (2017). Congruence between context and opportunities for professional development of mathematics teachers in the Philippines. In. B. Kaur & O.N. Kwon (Eds.), *Professional*

*development of mathematics teachers – An Asian Perspective* (pp. 89-96). Singapore: Springer. DOI: 10.1007/978-981-10-2598-3.

- Verzosa, D. (2015). Reading the world with calculus. *PRIMUS: Problems, Resources, and Issues in Mathematics Undergraduate Studies*, 25, 349-368. DOI: 10.1080/10511970.2014.978983.
- Verzosa, D. (2015). Developing the number knowledge of low-attaining first- to fourth-graders. In C. Vistro-Yu. (Ed.) *Proceedings of the 7<sup>th</sup> ICMI-East Asia Regional Conference on Mathematics Education*, 217-224. Quezon City: Philippine Council of Mathematics Teacher Educators (MATHTED), Inc.
- De las Peñas, M. L. A. N., Garciano, A., & Verzosa, D. (2014). Weaving mat(h)s. *Mathematical Intelligencer*, 35, 4, 36-46. DOI: 10.1007/s00283-014-9462-4.
- Verzosa, D., Guzon, A.F., & De las Peñas, M.L.A.N., (2014). Using dynamic tools to develop an understanding of the fundamental ideas of calculus. *International Journal of Mathematical Education in Science and Technology*, 45, 190-199. DOI: 10.1080/0020739X.2013.790513
- Verzosa, D. & Mulligan, J. (2013). Learning to solve addition and subtraction word problems in English as an imported language. *Educational Studies in Mathematics*, 82, 223-244. DOI: 10.1007/s10649-012-9420-z.
- De las Peñas, M.L.A.N., & Bautista, D. (2011). The emerging role of GeoGebra in the Philippines. In L. Bu & R. Schoen (Eds.), *Pathways to mathematical understanding using GeoGebra* (pp. 217-230). Rotterdam, the Netherlands: Sense Publishers. DOI: 10.1007/978-94-6091-618-2\_16
- Bautista, D., Mitchelmore, M., & Mulligan, J. (2009). Factors influencing Filipino children's solutions to addition and subtraction word problems. *Educational Psychology*, 29, 729-745. DOI: 10.1080/01443410903254591.

**Professional Activities and Consultancies:**

Department of Science and Technology - Science Education Institute (DOST-SEI)	Module Writer and Trainer, Mathematics for Teachers
Department of Education (DepEd)	Resource Person and Expert Validator, Development Workshop on Mathematics Teaching and Learning Materials (Matatag Curriculum) Content Expert, National <i>Training</i> of Trainers for Grades 7, 9, and 10 Consultant/Validator, Department of Education Grades 9 and 10 Learning Modules Convener, Development of Learning Modules for the DepEd Grade 11 General Mathematics Course
Commission for Higher Education (CHED)	Team Leader, Development of Teaching Guides for Grade 11 General Mathematics (under CHED/PNU)
Philippine Council of Mathematics Teacher Educators	Member, Vetting Panel for the Development of Materials for the new GE Courses National Board Secretary (2015-2019) President (2021-2024)



## **JAN CLYDEN B. TENORIO, DVM, MSc, PhD, DPCVPH**

Department of Veterinary Paraclinical Sciences, College of Veterinary Medicine, University of Southern Mindanao, Kabacan (9407), Cotabato, Philippines

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[Google Scholar](#) [ResearchGate](#) [LinkedIn](#)

### **EDUCATION**

- 2013–2019 **DOCTOR OF VETERINARY MEDICINE (*Cum Laude*)**  
College of Veterinary Medicine  
University of Southern Mindanao, Philippines
- 2020–2022 **MASTER OF SCIENCE IN VETERINARY MEDICINE**  
Specialization: Veterinary Public Health & Epidemiology  
University of the Philippines Los Baños, Philippines
- 2022 - 2025 **DOCTOR OF PHILOSOPHY IN TROPICAL MEDICINE**  
Department of Tropical Medicine  
Faculty of Medicine,  
Khon Kaen University, Thailand

### **EMPLOYMENT**

- December 15, 2025 – Present **Assistant Professor 2**  
Department of Veterinary Paraclinical Sciences  
College of Veterinary Medicine  
University of Southern Mindanao
- August 20, 2019 – December 14, 2025 **Instructor 1**  
Department of Veterinary Paraclinical Sciences  
College of Veterinary Medicine  
University of Southern Mindanao

### **RESEARCH**

#### **RESEARCH INTERESTS:**

Neglected Tropical Diseases; One Health; Veterinary Public Health; Veterinary Epidemiology

#### **PEER-REVIEWED PUBLICATIONS**

##### **Articles Published**

- Tenorio JCB, Kafle A, Heikal MF, Saichua P, Suttiwapa S. 2026. Effectiveness of Drug-Based Interventions and Integrated Community Strategies for Soil-Transmitted Helminth Control in Southeast Asia: A Systematic Review. *Infectious Microbes and Diseases*.  
<https://doi.org/10.1097/IM9.000000000000207>

- Heikal, M. F., Kongpha, K., Kafle, A., **Tenorio, J. C.B.**, Chaiyadet, S., Mahalapbutr, P., Boonloh, K., Talabnin, K., Laha, T., Saichua, P., & Suttiaprapa, S. (2025). Opisthorchis viverrini Helminth Defense Molecule: Structural features, molecular interactions, and dual immunomodulatory roles. *Acta tropica*, 270, 107809. <https://doi.org/10.1016/j.actatropica.2025.107809>
- Tenorio JCB**, Heikal MF, Kafle A, Macalalad MAB, Orosco FL, Saichua P, Suttiaprapa S. 2025. Unraveling the Mechanisms of Benzimidazole Resistance in Hookworms: A Molecular Docking and Dynamics Study. *Journal of Genetic Engineering and Biotechnology*. 23(1): 100472. <https://doi.org/10.1016/j.jgeb.2025.100472>
- Tenorio, J.C.B.** (2025).Molecular docking and dynamics as a tool to study benzimidazole resistance in helminths: A scoping review. *Journal of Livestock Science (ISSN online 2277-6214)*, 16, 152-159.
- Tenorio, J.C.B.** (2025). Addressing schistosomiasis in the Philippines: Need for a coordinated intersectoral effort. *Asian Pacific Journal of Tropical Medicine*, 18(5), 239-240.
- Heikal, M. F., Kongpha, K., Kafle, A., **Tenorio, J. C.B.**, Chaiyadet, S., Mahalapbutr, P., Boonloh, K., Talabnin, K., Laha, T., Saichua, P., & Suttiaprapa, S. (2025). Opisthorchis viverrini Helminth Defense Molecule: Structural features, molecular interactions, and dual immunomodulatory roles. *Acta tropica*, 270, 107809. <https://doi.org/10.1016/j.actatropica.2025.107809>
- Tenorio JCB. 2025.** Drug Resistance in Parasites: A Review of Mechanisms, Drivers, and Mitigation Strategies. *Microbes and Infectious Diseases*. 6(3): 6152-6160. <https://doi.org/10.21608%2FMID.2024.317774.2189>
- Tenorio JCB. 2025.** Resistance Mutations Impair Benzimidazole Efficacy Against *Ascaridia galli* by Altering  $\beta$ -Tubulin Interactions. *Microbes and Infectious Diseases*. 6(3): 6161-6174. <https://doi.org/10.21608/mid.2024.314316.2190>
- Tenorio JCB. 2024.** Can resistant *Ancylostoma ceylanicum* arise and spread between humans and animals? *Microbes and Infectious Diseases*. <https://doi.org/10.21608%2FMID.2024.321740.2228>
- Tenorio JCB. 2025.** A Multifaceted Approach to Combatting the Emergence of Drug-Resistant Parasites. *One Health Bulletin*. 5:10.4103. [https://doi.org/10.4103/ohbl.ohbl.75\\_24](https://doi.org/10.4103/ohbl.ohbl.75_24)
- Tenorio JCB**, Heikal MF, Kafle A, Saichua P, Suttiaprapa S. 2024. Benzimidazole Resistance-Associated Mutations in the  $\beta$ -tubulin Gene of Hookworms: A Systematic Review. *Parasitology Research* 123:405. <http://dx.doi.org/10.1007/s00436-024-08432-6>
- Tenorio JCB**, Heikal MF, Kafle A, Saichua P, Suttiaprapa S. 2024. Benzimidazole resistance-associated mutations improve in silico tubulin dimerization in hookworms: an additional resistance mechanism? *Veterinary World* 17(12): 2736-2746. <http://dx.doi.org/10.14202/vetworld.2024.2736-2746>
- Kafle, A., Suttiaprapa, S., Muhammad, M., **Tenorio, J. C. B.**, Mahato, R. K., Sahimin, N., & Loong, S. K. (2024). Epigenetic biomarkers and the Wnt/ $\beta$ -Catenin pathway in opisthorchis viverrini-associated cholangiocarcinoma: A scoping review on therapeutic opportunities. *PLoS neglected tropical diseases*, 18(9), e0012477.
- Tenorio JCB**, Belizario Jr. VY, Furtado LFV, Suttiaprapa S. Can Benzimidazole Resistance Undermine the Philippines' Success in Controlling and Eliminating Soil-transmitted Helminth Infections? A Mini-review. *Infectious Microbes & Diseases* 6:4. <http://dx.doi.org/10.1097/IM9.0000000000000163>

- Tenorio, J. C. B.,** Tabios, I. K. B., Inpankaew, T., Ybañez, A. P., Tiwananthagorn, S., Tangkawattana, S., Suttiprapa, S. (2024). *Ancylostoma ceylanicum* and other zoonotic canine hookworms: neglected public and animal health risks in the Asia–Pacific region. *Animal Diseases*, 4(1), 11. <https://doi.org/10.1186/s44149-024-00117-y>
- Matullano, MJH., **Tenorio, JCB,** Casim, LF. (2024). Zoonotic helminth infections in rodents and shrews from southern Philippines: Unforeseen One Health hazards. *Veterinary Integrative Sciences*, 22(3), 895-905. <https://doi.org/10.12982/VIS.2025.061>
- Tenorio, J. C. B.** (2023). Soil Contamination with Zoonotic Geohelminths: Emerging Risks in the Philippines. *Infectious Microbes & Diseases*, 6(1):1-4. <http://dx.doi.org/10.1097/IMS.000000000000138>
- Tenorio, JCB.** 2023. Canine Hookworms in the Philippines—Very Common but Very Much Neglected in Veterinary Research. *Frontiers of Veterinary Science* 10: 1297962. <http://dx.doi.org/10.3389/fvets.2023.1297962>
- Tenorio, JCB.** (2023). Measures of health and association, and epidemiologic transition—fundamental concepts for veterinary public health specialists. *Journal of Livestock Science* 14(3): 204-210. <http://dx.doi.org/10.33259/JLivestSci.2023.204-210>
- Tenorio, JCB.** (2022). Risks, hazards, harm and risk analysis: a brief introductory overview for veterinarians. *Journal of Livestock Science* 13(3): 159-163. <http://dx.doi.org/10.33259/JLivestSci.2022.159-163>
- Tenorio, JCB.** (2022). Discussing One Health: Veterinary Public Health, Health Communication, and Collaborations and Partnerships. *Advances in Animal and Veterinary Sciences* 10(4): 852-857. <http://dx.doi.org/10.17582/journal.aavs/2022/10.4.852.857>
- Tenorio, JCB.** (2022). Vanguard of Food Safety and Security: Acknowledging the Humble Veterinarian and One Health. *Microbes, Infection and Chemotherapy* 2: e1309. <https://doi.org/10.54034/mic.e1309>
- Bessitt LM, Flores VD, **Tenorio JCB,** Jiménez VB, Molina EC, Lumbao LA. (2022). A survey on gross pathologic lesions on bovine livers and kidneys from a Halal abattoir in Cotabato City, Philippines. *Journal of Livestock Science*. 13 (2): 88-95. <www.doi.org/10.33259/JLivestSci.2022.88-95>
- Tenorio JCB.** (2022). Emerging Zoonotic Infectious Diseases: A Folly of Human Development. *Journal of Livestock Science* 13: 76-79. <http://dx.doi.org/10.33259/JLivestSci.2022.76-79>
- Tenorio JCB,** Manalo DL, Molina EC. (2021). *Schistosomiasis japonica* in animals in the Philippines and its veterinary public health importance. *Philippine Journal of Veterinary Medicine* 58(2): 248 – 263.
- Tenorio JCB,** Molina EC. (2021). *Schistosoma japonicum* in the Philippines: Its epidemiology, diagnostics, control, and elimination. *Journal of Agricultural Research, Development, Extension, and Technology* 3(1): 71-87.
- Tenorio JCB,** Flores VII D. (2021). *Campylobacter jejuni* From Farm to Fork: Campylobacteriosis and Chicken Meat. *Journal of Current Science and Technology* 11(3): 458-468. <http://dx.doi.org/10.14456/jcat.2021.45>
- Esquilla MG, Sanchez CB, **Tenorio JCB.** (2021). Molluscicidal activity of Makabuhay (*Tinospora rumphii* Boerl) stem ethanolic extract against *Radix (Lymnaea)* spp. snails. *Journal on*

*New Biological Reports* 10(2): 64-71.

**Tenorio JCB**, Molina EC. (2021). Monsters in our food: Foodborne trematodiasis in the Philippines and beyond. *Veterinary Integrative Sciences* 19(3): 467-485. <http://doi.org/10.12982/VIS.2021.038>

**Tenorio JCB**, Molina EC. (2020). *Schistosoma japonicum* infections in cattle and water buffaloes of farming communities of Koronadal City, Philippines. *International Journal of One Health* 6(1): 28-33. [www.doi.org/10.14202/IJOH.2020.28-33](http://www.doi.org/10.14202/IJOH.2020.28-33)

## RESEARCH POSTER PRESENTATIONS

**Tenorio JCB**, Galay RL. (2022, October). Molecular detection of *Orientia tsutsugamushi* in field rats and trombiculid mites from Mindanao. <http://dx.doi.org/10.13140/RG.2.2.25384.85768>

**Tenorio JCB**, Heikal MF, Suttiaprapa S. (11-12 July 2024) Benzimidazole Resistance in Hookworms: Insights from In Silico Assessments of  $\beta$ -tubulins with Benzimidazole Drugs. 25<sup>th</sup> Khon Kaen Annual International Conference (KVAC) 2024. **First place award**

## RESEARCH INVOLVEMENTS

Project Title: Molecular detection of rickettsial pathogens *Orientia tsutsugamushi* and *Rickettsia typhi* in field rats (*Rattus* spp.) from select provinces in the Philippines

Position: MSc Thesis Student

Project Leader: Dr. Remil L. Galay

Funding: Department of Science and Technology

Project Title: Benzimidazole resistance-associated mutations in the  $\beta$ - tubulin gene of hookworms: *in silico* and field investigations

Position: PhD Researcher

Project Leader: Dr. Sutas Suttiaprapa

Funding: Invitation Research Grant, Faculty of Medicine, Khon Kaen University

## HONORS AND AWARDS

- **First place award poster presentation.** **Tenorio JCB**, Heikal MF, Suttiaprapa S. Benzimidazole Resistance in Hookworms: Insights from In Silico Assessments of  $\beta$ -tubulins with Benzimidazole Drugs. 25<sup>th</sup> Khon Kaen Annual International Conference (KVAC) 2024. 11-12 July 2024.
- **Young Investigator Award.** Joint International Tropical Medicine Meeting. 13-15 December 2024
- **Best Poster Award.** Molecular detection of *Orientia tsutsugamushi* in field rats and trombiculid mites from Mindanao. National Research Council of the Philippines Mindanao Regional Cluster Annual Scientific Conference and 20th Membership Assembly, October 13, 2022.
- **USM Publication Award (Certificate of Recognition)** given by the University of Southern Mindanao in recognition of our publication titled "*Campylobacter jejuni*"

From Farm to Fork: Campylobacteriosis and Chicken Meat." Given last November 5, 2021 during the 41<sup>th</sup> USM Research, Development, and Extension In-house Review.

- **USM Publication Award (Certificate of Recognition)** given by the University of Southern Mindanao in recognition of our publication titled "Monsters in our food: Foodborne trematodiasis in the Philippines and beyond." Given last November 5, 2021 during the 41<sup>th</sup> USM Research, Development, and Extension In-house Review.
- **DOST-ASTHRDP-NSC Graduate Studies Scholarship Recipient.** His MSc in Veterinary Medicine studies were funded by the said scholarship program.
- **USM Publication Award (Certificate of Recognition)** given by the University of Southern Mindanao in recognition of our publication titled "*Schistosoma japonicum* infections in cattle and water buffaloes of farming communities of Koronadal City, Philippines." Given last October 23, 2020 during the 40<sup>th</sup> USM Research, Development, and Extension In-house Review.
- **4<sup>th</sup> Place, Philippine Veterinary Licensure Exam 2019** held last August 13 -15, 2019 administered by the Board of Veterinary Medicine of the Philippine Regulatory Commission. I ranked 4<sup>th</sup> out of 1057 examinees from the entire Philippines.
- **Graduated *Cum Laude*.** The distinction is awarded by Universities in the Philippines to students that attained a general weighted average of 1.51 to 1.75 (95% to 90%) upon the completion of their degrees.
- **Jose Rizal Model Student of the Philippines 2019 Awardee.** The award is given by the Knights of Rizal to Filipino college students that have exemplified outstanding academic and leadership merits, qualities that mirror the brilliance and altruistic sacrifices of the country's national hero, Dr. Jose Rizal.
- **Most Outstanding Student Leader 2018.** The award is given by the University of Southern Mindanao to student leaders with outstanding accomplishments and contributions to student development during their term as elected student leaders. I was the University Student Government President for the school year 2018 -2019.
- **Best Case Study Presentation,** a special award received during the Pilmico Congress 2018, given last October 27, 2018.

## **LEADERSHIP**

- **Member, Institutional Animal Care and Use Committee (IACUC) of the University of Southern Mindanao.**
- **Student Regent, University of Southern Mindanao Board of Regents (2018-2019).** The Board of Regents is the highest governing body of the University of Southern Mindanao (USM). The President of the University Student Government is afforded a seat in the said governing body. As the students' representative, the student regent is expected to

participate in all policy making and decision-making endeavors of the University.

#### **PERTINENT LEADERSHIP OUTPUTS**

- **Policy on the Regulation of the Single-Use Plastics at University of Southern Mindanao** –Principal Author and Proponent. Approved by USM BOR through Resolution No. 47, series of 2019.
- **Anti-bullying Policy of the University of Southern Mindanao** – Principal Author and Proponent. Approved by USM BOR through Resolution No. 48, series of 2019.

#### **CONFERENCES, SEMINARS & TRAININGS**

- **Delegate, Khon Kaen University Veterinary Annual International Conference 2023**, Khon Kaen, Thailand, July 20-21, 2023.
- **Facilitator, Lawa Model Field Trip: One Health in Action**, Chevron, SEAOHUN & TDRC, Khon Kaen, Thailand, May 31 – June 2, 2023.
- **Participant, Helminth Bioinformatics Course**, Wellcome Connecting Science Courses, Khon Kaen University, May 21-26, 2023.
- **Poster presenter, "Molecular detection of *Orientia tsutsugamushi* in field rats and trombiculid mites from Mindanao,"** National Research Council of the Philippines Mindanao Regional Cluster Annual Scientific Conference and 20th Membership Assembly, October 13, 2022
- **Speaker, "Revisiting Scrub Typhus in the Philippines: Molecular detection of *Orientia tsutsugamushi* in field rats and trombiculid mites from Mindanao,"** DOST ASTHRDP Graduate Scholar's Conference, September 22-23, 2022.
- **Speaker, "Revisiting Scrub Typhus in the Philippines: Molecular detection of *Orientia tsutsugamushi* in field rats and trombiculid mites from Mindanao,"** 50<sup>th</sup> Veterinary Practitioners Association of the Philippines Annual Scientific Conference, August 25-26, 2022.
- **Speaker, "*Orientia tsutsugamushi* in trombiculid mite vectors and their field rat hosts: Revisiting scrub typhus in Mindanao through molecular detection,"** Philippine Society of Parasitology Annual Convention, July 28-29, 2022.
- **Speaker, "Veterinary Public Health Aspects of *Schistosomiasis japonica*"**, SAVER's VAULT: Supercharging Your Career Webinar, ASU SAVER, February 17, 2022.
- **Participant, 2<sup>nd</sup> Postgraduate Course in Clinical Tropical Medicine** organized by the College of Public Health, University of the Philippines Manila, January 26-28, 2021.
- **Attendee, Technical Training for Biorisk Management for the Veterinary Sector** (16 hours) organized by the Biorisk Association of the Philippines, December 1-4, 2021.
- **Speaker, Veterinary Public Health Aspects of Neglected Tropical Diseases: *Schistosomiasis japonica* and Foodborne Trematodiasis**, AMR-geddon: The Fight Against Anti-Microbial Resistance presented by UP Society for the Advancement of Veterinary Education and Research, November 18, 2021
- **Speaker, FLUKES THAT LINGER: Foodborne Trematodiasis and Schistosomiasis as zoonotic NTDs in the Philippines** in the CTU-CVM and VetSS: Lecture Series in Promoting Veterinary Program Advancement and Professionalism in the New Normal, November 12, 2021.
- **Trainee, 2<sup>nd</sup> Virtual IACUC Training** by the Philippine Association of Laboratory Animal Science, Inc., October 22-23, 2021.
- **Participant, SEAMEO-QS Higher Education Forum on Using Performance Insight to Build World-Class Universities in Southeast Asia** presented by SEAMEO, October 14, 2021.
- **Participant, Pamamahala sa Pagsugpo ng Karaniwang Bulate ng Hayop** Webinar organized by the SOCCSKSARGEN Agriculture, Aquatic and Natural Resources Research and Development Consortium (SOXAARRDEC), October 7, 2021.
- **Participant, Simulation Exercises for Animal Disease Emergencies** organized by the European

- Commission for the Control of Foot-and-Mouth Disease (EuFMD), October 13, 2021.
- **Participant, Introduction to the Risk-Based Strategic Plan** online course presented by the Food and Agriculture Organization of the United Nation, World Organization for Animal Health, European Commission for the Control of Food-and-Mouth Disease, October 12, 2021.
- **Participant, 2<sup>nd</sup> Mindanao-wide Genomics Webinar: ONE Health in the era of OMICs** presented by the Newton Agham Fund, DOST-PCHRD, British Council, Philippine Genome Center UP Mindanao, LSTHM, PSBMB Mindanao Chapter, October 4, 2021.
- **Participant, SEAMEO-New Zealand Master Class on Education Technology and Digital Security** organized by SEAMEO and Education New Zealand, September 30, 2021.
- **Attendee, Biotechnology Lecture Series 2: Molecular Technology and One Health** presented by the One Health Collaborating Center, Universitas Gadjah Mada, Indonesia, September 28, 2021.
- **Attendee, TROPED WEBINAR SERIES #6: Hybrid schistosomes in Africa: hype or havoc?** presented by Prof. J. Russell Stothard, organized by the Tropical Diseases Research Center, Faculty of Medicine, Khon Kaen University, Thailand, September 23, 2021.
- **Speaker, SAVER Webinar Series, Topic: "Flukes that Linger: Foodborne Trematodiasis and Schistosomiasis as Zoonotic NTDS in the Philippines"**, September 27, 2021.
- **Participant, PCLAM 2021 Scientific Conference** presented by the Philippine College of Laboratory Animal Medicine, September 7, 9 and 11, 2021
- **Participant, 6<sup>th</sup> Food Safety and Zoonoses Symposium for Asia Pacific: Current Update on Emerging Pandemic Diseases and Food System** organized by the Veterinary Public Health and Food Safety Centre for Asia Pacific, Faculty of Veterinary Medicine, Chiang Mai University, Thailand, August 26-27, 2021.
- **Attendee, Animal Welfare Webinar** on Animal Welfare Act of 1998 RA 8485 as amended by RA 10631 and DA Administrative Orders and Circulars, organized by the Bureau of Animal Industry, Philippine Department of Agriculture, August 25, 2021.
- **Attendee, The Post-pandemic Philippines HIV Epidemic Response, 5<sup>th</sup> Session of the HIV & COVID-19 Webinar Series** organized by UP Manila and Brown University, August 28, 5:00 PM – 6:30 PM
- **Participant, Webinar Series on Feeding Goats: What You Want To Know About Forages,** with the topic "Toxic effects of *Gmelina arborea* and *Urena lobata* to Goats" organized by the SOCCSKSARGEN Agriculture, Aquatic and Natural Resources Research and Development Consortium (SOXAARRDEC), August 25, 2021.
- **Attendee, TROPED WEBINAR SERIES #5: Asia Schistosomiasis: Prospects for Elimination** presented by Prof. Lydia R. Leonardo, organized by the Tropical Diseases Research Center, Faculty of Medicine, Khon Kaen University, Thailand, August 20, 2021.
- **Participant, CLSU-SEARCA-UC International Summer Short-term Program, Track D: Transboundary Animal Diseases; Diagnostic Kit development; Surveillance and Risk Analysis,** July 23-29, 2021.
- **Participant, Scientific Session of the National Research Council of the Philippines (NRCP), Division of Veterinary Medicine** on the topics "Science-based response to African Swine Fever" and "Biosecurity Status of Poultry Farms in Central Luzon," August 24, 2021.
- **Attendee, Communities & COVID-19: A roundtable with community-based organizations, 4<sup>th</sup> Session of the HIV & COVID-19 Webinar Series** organized by UP Manila and Brown University, August 14, 5:00 PM – 6:30 PM.
- **Participant, High-Level Forum on Teacher Competencies in the Digital Revolution: Reaching the Unreached** organized by SEAMEO, UNESCO, International Task Force on Teachers for Education 2030, July 30, 2021.
- **Participant, SEAMEO Partner Schools, Colleges and Universities Summit 2021 (Revisit),** July 8, 2021, 9:00-11:30 PM.
- **Attendee, PSP International Conference** hosted by the Philippine Society of Parasitology, Inc. July 7 -8, 2021.
- **Attendee, Vaccine Efficacy and Safety: Explaining Various Vaccine Types, and Concepts on Vaccine Efficacy, Effectiveness, and Safety** hosted by the British Embassy

Manila and the UP College of Public Health. March 3, 2021.

- **Participant, HERDIN PLUS Online Learning** hosted by DOST- PCHRD, January 29, 2021.
- **Participant, PL480-CVM Webinar Series 2** hosted by the University of the Philippines Los Baños, January 28, 2021, 2:30 – 4:30 PM.
- **Attendee, Back to Basics: reinforcing WASH Initiatives in the New Normal** hosted by British Embassy Manila and the UP College of Public Health. January 28, 2021.
- **Attendee, HIV/AIDS and Hepatitis: Updates and Challenges in the Midst of a Pandemic** hosted by British Embassy Manila and the UP College of Public Health. December 17, 2020.
- **Attendee, 4<sup>th</sup> Webinar of the Philippine Society of Parasitology International Webinar Series** hosted by the Philippine Society of Parasitology, Inc. December 5, 2020.
- **Attendee, 2<sup>nd</sup> Webinar of the Philippine Society of Parasitology International Webinar Series** hosted by the Philippine Society of Parasitology, Inc. November 21, 2020.
- **Speaker, Vet Hacks: How We Passed The Boards** hosted by the CVM Student Council of Central Mindanao University. November, 2020.
- **THE SCIENCE OF MEDICINES**, Monash University (Via Futurelearn)
- **GLOBAL BIOSECURITY FOR ONE HEALTH**, Murdoch University (via FutureLearn).
- **COVID-19: TACKLING THE NOVEL CORONAVIRUS**, London School Of Hygiene & Tropical Medicine and UK Public Health Rapid Support Team (via FutureLearn).
- **SUPPORTING ADOLESCENT LEARNERS: SOCIAL AND EMOTIONAL WELLBEING**, Griffith University (via FutureLearn).
- **HOW TO TEACH ONLINE**, FutureLearn.
- **Veterinarian Participant, Philippine Veterinary Medical Association 87<sup>th</sup> Annual Convention and Scientific Conference** held last 19 -21, 2020 at SMX Convention Center, Davao City.
- **Veterinarian Participant, Philippine Veterinary Medical Association Southern Mindanao Chapter (PVMA –SMC) 39<sup>th</sup> Annual Convention and Scientific Conference** held last September 19 -20, 2019 at Davao City

### **PROFESSIONAL MEMBERSHIPS**

- Diplomate, Philippine College of Veterinary Public Health
- Member, Philippine Association of Veterinary Medicine Educators and Schools, Inc.
- Associate Member, National Research Council of the Philippines
- Member, Philippine Society of Parasitology, Inc.
- Professional Member, Philippine Association for Laboratory Animal Science
- Member, World Aquatic Veterinary Medical Association
- Member, Philippine Veterinary Medical Association (National Organization)
- Member, Philippine Veterinary Medical Association –Southern Mindanao Chapter
- Member, University of Southern Mindanao Faculty Association
- Member, Society for the Advancement of Veterinary Education and Research – USM Chapter
- Member, Ayala Young Leaders Alumni Association

### **LANGUAGES**

- Language of Communication: **Filipino, English, Visayan, Hiligaynon**
- Language of instruction used in DVM, MSc, PhD degrees: **English**

**CONTACT INFORMATION OF REFERENCES**

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## **ROLAND Y. FAJARDO, DVM, MSc.**

Purok 1-B Magsaysay, Antipas, Cotabato, 9414 Philippines

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### **Veterinarian | Animal Husbandry Engineer | Educator | Researcher | Civil Servant**

A professional with over 7 years of extensive experience in national government development and regulatory programs for the livestock industry; more than 3 years of research and teaching experience in the academia with an advanced degree in Animal Husbandry Engineering specializing in production, genetics, breeding, genomics, and apiculture; with an active farm management and veterinary practice in small and large ruminant operations.

### **BIOGRAPHICAL PROFILE**

Birthdate:	06 February 1994	Birthplace:	Antipas, Cotabato, Philippines
Nationality:	Filipino	Age:	32 years old

### **EDUCATION**

- ❖ **Master of Science in Animal Husbandry Engineering** | University of Debrecen, Hungary | 2021-2023  
Stipendium Hungaricum Scholar | Graduated With Honour
- ❖ **Doctor of Veterinary Medicine**  
University of Southern Mindanao, Kabacan, Cotabato, Philippines | 2010-2016

### **WORK EXPERIENCE**

- ❖ **Associate Professor I**
- ❖ University of Southern Mindanao- College of Veterinary Medicine (August 2024 to present)
  - Courses Handled: Animal Breeding and Genetics, Apiculture and Wildlife Conservation and Medicine, Reproductive Physiology and Endocrinology, Theriogenology, Zootechnics, and Clinical Pathology
  - Designation: Department Research Coordinator, Department of Veterinary Technology
- ❖ **Manager**  
Mindanao Small Ruminants Nucleus Farm Project, Maklala, Cotabato (March 2025 to March 2026)
- ❖ **Veterinarian III and National Livestock Program Coordinator**  
Department of Agriculture- Bureau of Animal Industry and National Livestock Program  
Supervisor: Undersecretary for Livestock and NLP Director  
January 2018 to August 2024 (Promoted from Veterinarian I to Veterinarian III in 2020)
- ❖ **Part-time Instructor (Learning Service Provider)**  
University of Southern Mindanao- College of Veterinary Medicine (September 2023 to July 2024)
- ❖ **Intern/Trainee (Part-time student worker)**  
Babolna TETRA, Kft. | Hungary (July 2022 to July 2023)
- ❖ **Veterinarian Staff and National Livestock Program Coordinator**  
Department of Agriculture- National Livestock Program and National Meat Inspection Service  
Supervisor: Assistant Secretary for Livestock and NLP Director (July 2017 to December 2017)

### **TRAININGS AND CONFERENCES**

- ❖ **93rd Philippine Veterinary Medical Association Annual Convention and Scientific Conference** | 18 to 20 February 2025 | Iloilo City, Philippines
- ❖ **92nd Philippine Veterinary Medical Association Annual Convention and Scientific Conference** | 19 to 21 February 2025 | PVMA in Davao City, Philippines
- ❖ **21st National Congress of Veterinary Medicine Students (as Resource Person)**  
2 to 7 February 2025 | Central Mindanao University, Musuan, Maramag, Bukidnon, Philippines
- ❖ **4-Phase Supervisory Course**  
4 to 5 June 2025 | Department of Agriculture
- ❖ **Ladderized Training on Project Development for Agriculture and Fisheries Rural Development**  
Department of Agriculture and Food and Agriculture Organization  
20 to 24 May 2024
- ❖ **European Union Better Training for Safer Food (BTSF) Sustainable Training Mission (STM) on African Swine Fever Prevention**  
14 to 15 March 2024 | Department of Agriculture, Philippines
- ❖ **4th International Conference on Smart and Innovative Agriculture**  
10 Oct 2023 to 11 Oct 2023 | Yogyakarta, Indonesia
- ❖ **National Scientific Student Conference (OTDK) Hungary**  
04 to 06 April 2023
- ❖ **6th European Conference on Conservation Biology (Prague, Czech Republic)**  
22 Aug 2022 – 26 Aug 2022

- ❖ **Training on Agricultural Statistical Modeling and Forecasting**  
15 Nov 2020 – 17 Nov 2020 | United States Department of Agriculture
- ❖ **Productivity and Innovations in Agriculture**  
22 Jul 2019 to 26 Jul 2019 | Nanyang Polytechnic, Singapore
- ❖ **Advanced Dairy Management and Farm Technology Training Course**  
12 Mar 2018 – 25 Mar 2018 | Galilee International Management Institute, Israel
- ❖ **Diagnosis and Control of Trypanosomes and their Vectors in Animals and Humans in Southeast Asia**  
15-19 January 2018 | Philippine Carabao Center, City of Munoz, Nueva Ecija, Philippines
- ❖ **38<sup>th</sup> Philippine Veterinary Medical Association- SMC Annual Convention and Scientific Conference**  
21-22 September 2017 | Kidapawan City, Philippines

#### **AWARDS, RECOGNITIONS, AND ENGAGEMENTS**

- ❖ **Goodwill Ambassador for Hungary**  
European Higher Education Fair 2024- Manila
- ❖ **Research Evaluator**  
Department of Agriculture- Bureau of Agricultural Research Livestock Research Cluster (2023 and 2024)
- ❖ **Evaluator Adjudicator**  
Swine Research Colloquium- Agri Youth Congress, International Training Center on Pig Husbandry Lipa City, Batangas | October 16, 2024
- ❖ **Guest of Honor and Speaker**  
43<sup>rd</sup> Philippine Veterinary Medical Association Southern Mindanao Chapter Annual Convention and Scientific Conference | September 19-20, 2024 | Davao City
- ❖ **Best Paper Award**  
4th International Conference on Smart and Innovative Agriculture  
10 – 11 Oct 2023 | Yogyakarta, Indonesia
- ❖ **Academic Achievement Award**  
Philippine Embassy in Hungary | 08 July 2023
- ❖ **Stipendium Hungaricum Excellence Award**  
Tempus Foundation Stipendium Hungaricum Program | Hungary | 23 Nov 2022
- ❖ **3rd Place Winner**  
University of Debrecen Faculty of Agriculture Student Scientific Conference Animal Genetics Section – University of Debrecen | 22 Nov 2022

#### **ACTIVITIES AND VOLUNTEER PROJECTS**

- ❖ **Adviser to the USM Rodeo Club Philippines** (2024 to present)
- ❖ **Catholic Campus Ministry** (2024 to present)
- ❖ **ERASMUS+ Project REstart the Planet (Sunny Beach, Bulgaria)**  
24 May 2022 – 31 May 2022
- ❖ **Volunteer and Programs Director**  
Antipas Youth Organization (2015 to 2019) | Antipas, Cotabato, Philippines

#### **NETWORKS AND MEMBERSHIPS**

- ❖ **Affiliate Early Career Researcher**, University of Debrecen Agricultural Biotechnology and Genomics Research Group, Hungary (2022 to present)
- ❖ **Member**, Philippine Veterinary Medical Association
- ❖ **Co-founder and Alumnus**, Association of Filipino Students in Hungary
- ❖ **Alumnus**, University of Debrecen Honours College (Talent UD)
- ❖ **Alumnus**, Béla Tormay College for Advanced Studies
- ❖ **Alumni President**, Rodeo Club Philippines- USM Chapter
- ❖ **Alumni President**, Antipas National High School Alumni Association

#### **SKILLS AND COMPETENCIES**

- ❖ Basic Research Statistics (experience in R)
- ❖ Quantitative Genetics
- ❖ Livestock Breeding and Genetics
- ❖ Aptitude to scientific research writing and proficiency in MS Office
- ❖ Extensive experience in farm management and health program implementation
- ❖ Expertise in large animal restraint and management
- ❖ Strong project development and management skills
- ❖ Strategic and scientific communications
- ❖ Stingless bee colony management
- ❖ Strong technical, policy-writing, and project proposal writing skills

### **RESEARCH INTERESTS**

- ❖ Animal Genetics and Genomics (with focus on indigenous breeds and heat-stress adaptation)
- ❖ Breeding and Reproductive Physiology
- ❖ Animal Welfare
- ❖ Apiculture and Meliponiculture
- ❖ Animal Production and Economics
- ❖ Climate-Smart Livestock Innovations

### **LIST OF AUTHORED/CO-AUTHORED PUBLICATIONS AND PRESENTATIONS**

- ❖ Abao, L. N. B., Sonaco, R. M., Guiogulo, M. V., Dirain, A. P. J., **Fajardo, R. Y.**, & Mgaya, J. F. (2025). Ex-post impact analysis of the Philippine pig repopulation program. *Evaluation and Program Planning*, 113, 102675. <https://doi.org/10.1016/j.evalprogplan.2025.102675> Fajardo et al., (2023).
- ❖ Continental vs. tropical breed: immunity comparison under heat stress conditions utilizing qRT-PCR technique. *BIO Web Conferences, Volume 80, 2023*. 4th International Conference on Smart and Innovative Agriculture. <https://doi.org/10.1051/bioconf/20238005001>
- ❖ Astuti, P. K., Bagi, Z., Bodrogi, L., Pintér, T., Skoda, G., **Fajardo, R.**, & Kusza, S. (2023). Hungarian indigenous Tsigai, a promising breed for excellent heat tolerance and immunity. *Saudi Journal of Biological Sciences*, 30(9), 103747. <https://doi.org/10.1016/j.sjbs.2023.103747>
- ❖ Astuti, P. K., **Fajardo, R.**, Wanjala, G., Kichamu, N., Ohran, H., Badaoui, B., ... & Kusza, S. (2023). Heat Stress: Can Animals be Stressed but still be Healthy? *Scientific Papers Animal Science And Biotechnologies*, 56(1), 194-194.
- ❖ **ORAL PRESENTATIONS:**
  - Continental vs. tropical breed: immunity comparison under heat stress conditions utilizing qRT-PCR technique. 4th International Conference on Smart and Innovative Agriculture. Yogyakarta Indonesia (October 2023)
  - Effects of Thermal Stressors on the IL-10 Gene Expression in Indigenous Hungarian Tsigai Sheep. National Scientific Student Conference, Kaposvar, Hungary (April, 2023)

### **REFERENCE LIST**

1. **Ruth S. Miclat-Sonaco, DVSM**  
Center Director. International Training Center  
on Pig Husbandry  
Former Director, DA National Livestock Program  
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2. **Dr. Komlósi István DSc Dr. h.c.**  
Program Coordinator  
Professor and Head of Institute  
Institute of Animal Science, Biotechnology, and  
Natural Conservation  
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[komlosi@agr.unideb.hu](mailto:komlosi@agr.unideb.hu)  
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3. **Elizabeth C. Molina, DVM, PhD**  
Dean, College of Veterinary Medicine  
University of Southern Mindanao  
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4. **Dr. Kusza Szilvia**  
Thesis Adviser  
Professor and Senior Researcher  
Center for Agricultural Genomics and  
Biotechnology  
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**2008 - 2009**            **Member, Research Project of Massey University (Co-factors for the Prevention and Control of Iron Deficiency) funded by the New Zealand Meat Biologics Consortium**

**2000 - 2002**            **Member, Novartis Product Research on Comparative Efficacy of Tiamulin Hydrogen Fumarate + Chlortetracycline Hydrochloride and Tiamulin Hydrogen Fumarate + Chlortetracycline Against Diarrhea, Coughing and Thumping in Starter Pigs**

**MEMBERSHIPS TO ORGANIZATIONS:**

New Zealand Food Safety Science and Research Centre Network	2020
World Poultry Science Association	2019
Nutrition Society of New Zealand Incorporated	2016
New Zealand Federation of Graduate Women Incorporated (Manawatu Branch)	2016
New Zealand Grassland Association Incorporated	2016
Philippine Association of Veterinary Medicine and Educators Incorporated	2010
Philippine Veterinary Medical Association	1993
Pi Sigma Phi (USM Honors Society)	1992

**IEC MATERIALS DEVELOPED:**

2020	Nutritional Deficiencies of Native Chickens
2019	Environmental Risks and Mitigation in Raising Native Chickens
2016	Anemia in Livestock Iron as a Nutrient The Pig as Human Nutrition Model

**UTILITY MODELS REGISTERED AT THE INTELLECTUAL PROPERTY OFFICE OF THE PHILIPPINES BUREAU OF PATENTS**

1. Process of Making Betel Nut Capsule as Anthelmintic for Goats

Registration Number: 2/2021/050893

Registration Date and Duration: 22 July 2022 until 1 August 2028

2. Process of Making Feed Additive Using Azolla Leaf Meal in Native Chicken Feeds

## **CONFERENCES:**

- 2020 Paper Presenter (Iron Bioavailability in Piglets) at the 87<sup>th</sup> PVMA Scientific Conference and Annual Convention in Davao City on February 19 - 21, 2020
- 2016 Paper Presenter (Meat and Meat Extract Effect on the Intestinal Morphology and Immune Response of Semi-Anemic Piglets) at the 83<sup>rd</sup> PVMA Scientific Conference and Annual Convention in Davao City on February 17-19, 2016
- 2015 Paper Presenter (Effect of Phytogenic Supplementation on the Growth Performance and Incidence of Diarrhea in Weanlings) at the 36<sup>th</sup> Philippine Veterinary Medical Association (PVMA) Southern Mindanao Chapter (SMC) Annual Scientific Conference in Gumasa, Glan, Sarangani Province (Philippines) on September 23-24, 2015
- Paper Presenter (Meat and Meat Extract Effect on the Intestinal Morphology and Immune Response of Semi-Anemic Piglets) at the International Higher Education Research Forum in Malate, Manila (Philippines) on August 19-20, 2015
- 2014 Paper Presenter (Meat and Meat Extract Effect on the Intestinal Morphology of Semi-Anemic Piglets) at the 35<sup>th</sup> Philippine Veterinary Medical Association (PVMA) Southern Mindanao Chapter (SMC) Annual Scientific Conference in General Santos City (Philippines) on September 26, 2014

## **RESEARCH RELATED SKILLS AND EXPERIENCES:**

- Data collection and statistical analysis using SAS system for windows version 9.1
- Iron bioavailability determination through intestinal histology and image analysis using the Sigma scan software
- Flow cytometry for phagocytic activity and whole blood proliferation assay in piglets
- Mineral balance determination through spectrometry
- Meat and plant extract preparation and feeding trials in piglets

## **RESEARCH ACTIVITIES:**

- 2023 Co-proponent, project on Compendium of Ethnoveterinary Therapies for Control of Internal Parasites in Livestock
- 2018 - 2019 Member, APSA Products Research
- 2015 - 2016 Member, Biomin and Pilmico Product Research (Effect of Phytogenic Supplementation on the Growth Performance and Incidence of Diarrhea in Weanlings)
- 2009 - 2010 Member, Cutting Edge Technology/Science on the Utilization of Herbal Extracts for the Control of Surra, Fasciolosis and Gastrointestinal Nematodes of Livestock in Region XII, Philippines

## CURRICULUM VITAE

**NAME:** Josephine Andres Rapisura-Flores  
**HOME ADDRESS:** Quirino Street, Osias, Kabacan, Cotabato  
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**DATE OF BIRTH:** 27 October 1969  
**PLACE OF BIRTH:** MIT, Kabacan, Cotabato  
**AGE:** 56  
**CIVIL STATUS:** Married  
**RELIGION:** Roman Catholic  
**CHILD'S NAME:** Jan Crystal R. Flores  
**SPOUSE NAME:** Ranilo M. Flores

**EMPLOYMENT:** College of Veterinary Medicine, University of Southern Mindanao, Kabacan, Cotabato, Philippines since 6 July 1992 to present. Currently, as Professor III, Associate Dean, Instruction and Curriculum Coordinator and Research Coordinator of the college.

### EDUCATIONAL ATTAINMENT:

**Master of Veterinary Science** Massey University  
New Zealand (2009)  
**Doctor of Veterinary Medicine (Cum Laude)** University of Southern Mindanao  
Philippines (1992)

### RELEVANT PUBLICATIONS:

YEAR	PUBLICATIONS
2021	Anticoccidial Activity of <i>Coleus aromaticus</i> Leaves Extract in Naturally Infected Goats in the Advances in Animal and Veterinary Sciences 9(9):1362-1367, July 2021 (Co-Author)
2019	Intestinal Histology and Immune Status of Semi-anemic Piglets Fed Lactoferrin, Meat, or Meat Extract in the Philippine Journal of Science 148 (1): 113-118, March 2019 (Main Author)
2011	Literature Review: Factors Affecting Iron Bioavailability in the University of Southern Mindanao R & D Journal Vol. 19 No. 2 (July-December 2011, ISSN - 0302 – 7937)
2011	Efficacy of Neem Tree Leaves Extract Against Surra in the CVM Veterinary Research Journal, Vol. 1; No. 1 (July 2011, ISSN 1908 – 5559)

Registration Number: 2/2021/050823  
Registration Date and Duration: 8 April 2022 until 18 July 2028



