

**AREA 1: RESEARCH** (Note: Core Faculty only)

**1. Core Faculty**

Name of Faculty	Educational Attainment (BS, MS, PhD)	PRC License No. and Expiry Date
<b>Crop Science</b>		
1. Adolfo C. Manuel Jr.	<ul style="list-style-type: none"> <li>✚ Doctor of Philosophy in Crop Science</li> <li>✚ Master of Science in Plant Breeding</li> <li>✚ Bachelor of Science in Agriculture</li> </ul>	0006463 / 08/28/2025
2. Edgardo A. Gonzales	<ul style="list-style-type: none"> <li>✚ Doctor of Philosophy in Agriculture Major in Crop Science (Completed Academic Requirements)</li> <li>✚ Master of Science in Agriculture</li> <li>✚ Bachelor of Science in Agriculture</li> </ul>	0017624 / 06/13/2025
3. Abigail P. Daria	<ul style="list-style-type: none"> <li>✚ Doctor of Philosophy in Horticulture</li> <li>✚ Master of Science in Agriculture</li> <li>✚ Bachelor of Science in Agriculture</li> </ul>	0011385 / 09/16/2025
4. Fredelino E. Vecina Jr.	<ul style="list-style-type: none"> <li>✚ Master of Science in Horticulture</li> <li>✚ Bachelor of Science in Agriculture</li> </ul>	0035513 / 09/25/2025
5. Lilibeth P. Novicio	<ul style="list-style-type: none"> <li>✚ Doctor of Agriculture</li> <li>✚ Master of Agricultural Science</li> <li>✚ Bachelor of Science in Forestry</li> </ul>	0006514 / 07/19/2024
<b>Animal Science</b>		
6. Cristina F. Olo	<ul style="list-style-type: none"> <li>✚ Doctor of Philosophy in Animal Breeding and Reproductive Physiology</li> <li>✚ Master of Science in Animal Breeding</li> <li>✚ Bachelor of Science in Agriculture</li> </ul>	0006606 / 10/9/2024
7. Irvin dL. Matel	<ul style="list-style-type: none"> <li>✚ Master of Science in Agriculture Major in Animal Science</li> <li>✚ Doctor of Veterinary Medicine</li> </ul>	0006813 / 10/25/2025
8. Karl Louise D. Obispo	<ul style="list-style-type: none"> <li>✚ Master of Science in Animal Science</li> <li>✚ Bachelor of Science in Agriculture</li> </ul>	0003462 / 06/01/2025
9. Ma. Cecille Basa-Anuada	<ul style="list-style-type: none"> <li>✚ Master of Science in Animal Science</li> <li>✚ Bachelor of Science in Agriculture</li> </ul>	0021472 / 02/10/2024
<b>Soil Science</b>		
10. Jhon Vincent C. Caisip	<ul style="list-style-type: none"> <li>✚ Master of Science in Soil Science</li> <li>✚ Bachelor of Science in Agriculture</li> </ul>	0021417 / 06/23/2025
11. Venus O. Saz	<ul style="list-style-type: none"> <li>✚ Doctor of Philosophy in Soil Science</li> </ul>	0013267 /

	<ul style="list-style-type: none"> <li>✚ Master of Science in Soil Science</li> <li>✚ Bachelor of Science in Agriculture</li> </ul>	07/27/2024
<b>Crop Protection</b>		
12. Evelyn O. Singson	<ul style="list-style-type: none"> <li>✚ Doctor of Philosophy in Entomology</li> <li>✚ Master of Science in Entomology</li> <li>✚ Bachelor of Science in Agriculture</li> </ul>	0006252 / 11/02/2026
13. Monina Dyan R. Elumba	<ul style="list-style-type: none"> <li>✚ Master of Science in Plant Pathology</li> <li>✚ Bachelor of Science in Agriculture</li> </ul>	0024754 / 09/27/2026
<b>Agricultural Extension and Communication/Community Development</b>		
14. Nathalie Angel D. Benipayo	<ul style="list-style-type: none"> <li>✚ Master of Science in Horticulture Minor in Community Development</li> <li>✚ Bachelor of Science in Agriculture</li> </ul>	0035493 / 05/16/2025
15. Patrick M. Montealto	<ul style="list-style-type: none"> <li>✚ Master of Science in Animal Science Minor in Community Development</li> <li>✚ Bachelor of Science in Agriculture</li> </ul>	0034834 / 07/18/2025
<b>Agricultural Economics and Marketing</b>		
16. Gilchor P. Cubillo	<ul style="list-style-type: none"> <li>✚ Doctor of Philosophy in Business Management</li> <li>✚ Master of Science in Agricultural Economics</li> <li>✚ Master in Business Administration</li> <li>✚ Bachelor of Science in Agriculture</li> </ul>	0002147 / 11/30/2023
17. Guillermo P. Desengaño	<ul style="list-style-type: none"> <li>✚ Doctor of Philosophy in Business Management (units)</li> <li>✚ Master in Business Administration</li> <li>✚ Bachelor of Science in Agriculture</li> </ul>	0017725 / 06/24/2025
<b>Agricultural Engineering</b>		
18. Arjay A. Arpia	<ul style="list-style-type: none"> <li>✚ Master of Science in Energy Engineering</li> <li>✚ Bachelor of Science in Agricultural Engineering</li> </ul>	0008555 / 01/29/2026

**2. List of completed research of the core faculty of the program in the last 5 years.**

Year	Name of Faculty	Title
2023	Abigail P. Daria	Physiological and Biochemical Responses of Mango ( <i>Mangifera indica</i> L. cv. Carabao) to Melatonin under Chilling Stress
	Fredelino E. Vecina Jr.	Growth and Yield of Tomato ( <i>Solanum lycopersicum</i> ) Treated with Irradiated Carrageenan Biostimulant in Water Deficit Conditions
	Patrick M. Montealto	Native Chicken Production System and Consumer Preference in Tangub City, Misamis Occidental, Philippines
	Monina Dyan R. Elumba	Risk of Emergence, Potential Distribution and Management of Papaya Leaf Curl Disease in the Philippines
	<b>Cristina F. Olo,</b> <b>Irvin dL. Matel,</b> <b>Ma. Cecille B. Anuada,</b> <b>Karl Louisse D. Obispo,</b>  Mariedel L. Autriz, Gary A. Pareja	Morphological, Histological and Genetic Diversity Analysis of Philippine Native and ItikPINAS ( <i>Anas platyrhynchos</i> L.) Strains
	<b>Irvin dL. Matel</b>	Acceptability and Meat Quality of Chicken and Lapan Nuggets
	Ma. Especita D. Luisaga	
	<b>Irvin dL. Matel</b>	Comparative Organoleptic Properties of Lapan, Beef, Pork and Chicken Tapa
	Jeric J. Madrono	
	<b>Ma. Cecille N. Basa &amp;</b> <b>Irvin dL. Matel</b>	Utilization of Spent Layer Hen's Meat in the Production of Burger Patties
	Jannie Rose Paraiso	
	<b>Ma. Cecille N. Basa</b>	Utilization of Culled Layer Breast and Intestine in the Production of Longganisa
	Micaella Ysrael Panganiban	
	<b>Ma. Cecille N. Basa &amp;</b> <b>Cristina F. Olo</b>	A Comparative Evaluation of Broiler Chicken and Native Chicken Breast and Thigh Part in Tocino Production
Nina Yasmin D. Pahiculay		
<b>Cristina F. Olo</b>	Sensory Evaluation of Ground Pork Jerky at Different Drying Temperatures and Times	
Sachelar Z. Bragado		
<b>Cristina F. Olo</b>	Organoleptic Evaluation and Process Optimization for Broiler Chicken ( <i>Gallus gallus domesticus</i> ) Patties Incorporated with Spent Quail ( <i>Coturnix coturnix</i> ) Meat	

Year	Name of Faculty	Title
	Maiane Danisse C. Radan	
	<b>Cristina F. Olo &amp; Ma. Cecille N. Basa</b>	Optimizing Drying Temperature, Time and Water Activity of Local Beef Jerky
	Eugenio D. Bracero	
	<b>Cristina F. Olo</b>	Optimization of Drying Time and Temperature and Organoleptic Evaluation on Spent Ground Quail ( <i>Coturnix japonica</i> ) Jerky
	Mark Davie V. Bejo	
	<b>Cristina F. Olo</b>	Optimization of Dehydration, Consumer Acceptability, and Shelf Life of Rabbit ( <i>Oryctolagus cuniculus</i> ) Meat Jerky
	Chris John Bulagsac	
	<b>Ma. Cecille N. Basa</b>	The Effects of Dietary Supplementation of Turmeric ( <i>Curcuma longa</i> ) Powder in Growth Performance and Organoleptic Properties of Commercial Broiler Chicken
	Lay-Ann E. Palle	
	<b>Ma. Cecille N. Basa</b>	Mallard Duck Meat ( <i>Anas platyrhynchos</i> ) and Broiler Chicken ( <i>Gallus gallus domesticus</i> ) Utilization in Burger Patties
	Claire Anne M. Paragoso	
	<b>Ma. Cecille N. Basa</b>	Optimization of Muscovy Duck ( <i>Cairina moschata</i> ) Meat Nuggets with 10% Inclusion of Chicken ( <i>Gallus gallus domesticus</i> ) Intestines
	Jinlyn R. Perena	
	<b>Irvin dL. Matel</b>	Organoleptic Evaluation of Cull Layer ( <i>Gallus gallus domesticus</i> ) Cull Mallard Duck ( <i>Anas platyrhynchos</i> ) and Cull Muscovy Duck Meat ( <i>Cairina moschata</i> ) as Tocino
	Via M. Malicdem	
	<b>Cristina F. Olo</b>	Optimization of Drying Temperature and Time on Sensory Quality of Chicken Jerky in Vacuum Sealed Packaging
	Camille P. Aguirre	
	<b>Ma. Cecille N. Basa</b>	Effects of Restricted Feeding Various Levels of Sweet Potato Vines ( <i>Ipomea batatas</i> ) on the Growth Performance of Non-Descript Goats ( <i>Capra hircus</i> )
	Laine Rica A. Nuevo	
	<b>Ma. Cecille N. Basa</b>	Organoleptic Analysis and Consumer Acceptability of Native Pork Skinless Longganisa Using Papaya ( <i>Carica papaya</i> ) and Coconut ( <i>Cocos nucifera</i> ) Vinegar as Tenderizers
	Sarah Jane S. Laranjo	
	<b>Cristina F. Olo</b>	Assessment of Management, Production, Post Harvest Practices and Milk Quality in Dairy Cattle Farms in Batangas

Year	Name of Faculty	Title
	Jazzen Del Mundo	
	<b>Cristina F. Olo</b> Ryan Alexander C. Jaro	Effects Of Alternative Feeding of Banana Pseudo-Stem (Musa Sapientum) on the Growth Performance of Anglo Nubian-Boer Goats (Capra hircus)
	<b>Cristina F. Olo</b> Eneralyn G. Andallo	Optimization of Drying Temperature and Time on Sensory Properties of Clievon Jerky
	<b>Irvin dL. Matel</b> Ian Christian A. Hinay	Effects of Using Pale, Soft, and Exudative Pork on the Quality of Tocino
2022	Karl Louise D. Obispo	Effect of Gluconeogenic Precursors in Broiler Diets with Varying Nutrient Densities on the Production Performance, Efficiency of Energy Utilization and Carcass Characteristics
	Nathalie Angel D. Benipayo	Use of Plant Growth Regulators to Induce Tolerance, Promote Growth and Fruiting Quality of Chili Pepper ( <i>Capsicum frutescens</i> ) in Waterlogged Condition
	Lilibeth P. Novicio	Feasibility Study for the Establishment of the Philippine Agri-Fishery Machinery Assembly and Exhibition Center - EIA Component
	Venus O. Saz	Phytoremediation and Effect of Soil Amendments on Chromium and Nickel Uptake in Lowland Rice Soils Affected by Mining Activities
	<b>Adolfo C. Manuel, Jr.&amp; Jhon Vincent Caisip</b> Cyrus Jhan Albacite & Ariel Villa Jr.	Growth and Yield of Green Kale (Brassica oleracea var. sabellic) and Red Kale (Brassica Oleracea var. pabularia) Planted In Varying Level of Vermicompost
	<b>Venus O. Saz</b> Michael John Dulay, Buensalido Lester, Madelá Hadasa & Rosas Arlene	Characterization of Soil Physico-Chemical Properties and Crop Suitability Assessment in Crop Production Area of Cavite State University in Indang, Cavite
	<b>Adolfo C. Manuel, Jr.</b> Mark Veejay Jonas	Adaptability and Acceptability of Introduced Okra Varieties in Tanza Cavite
	<b>Adolfo C. Manuel, Jr.</b>	Growth and Yield Performance of Bell Pepper (Capsicum annum) Applied with Fermented Micro Alge as Biostimulant

Year	Name of Faculty	Title
	Leo Prieto Aritao & Alfredo Torres	
	<b>Venus O. Saz &amp; Lilibeth Novicio</b>  Clark Lincod Bueno & Wilmer Gabilis	Evaluation of Farmers Knowledge, Perception and Practices on Eggplant Fruit and Shoot Borer Pest Management in Naic, Cavite
	<b>Venus O. Saz</b>  Jesca Zion Domingo & Trisha Maralit	Growth and Yield Performance of Eggplant ( <i>Solanum melongena</i> ) Applied with Varying Level of IMO Grown Under Greenhouse Condition
	<b>Venus O. Saz &amp; Adolfo C. Manuel, Jr.</b>  Racel Crema & Allan Glang	Performance of Flowering Pechay Grown in Different Hydroponic Solutions and Soil Based Media
	<b>Jhon Vincent Caisip</b>  Jedidiah Roderno & Lorenz John Stangl	Agronomic Performance of Bell Pepper in Tagaytay Loam Soil Amended with Trichoderma
	<b>Jhon Vincent Caisip</b>  Erwin Elgera & Kizirwin Salcedo	Agronomic Performance of Eggplant in Tagaytay Loam Soil Amended with Mykovam
	<b>Edgardo Gonzales &amp; Jhon Vincent Caisip</b>  Mira Luz Umandap & Cjay Viano	Growth and Yield Response of Sweet Corn Affected by Trichoderma Spp.
	<b>Edgardo Gonzales &amp; Jhon Vincent Caisip</b>  Paula Rose Mamolo & Judylyne Toledo	Growth and Yield Performance of Okra in Response to Saba Banana Peeling and Kakawate Leaves as Organic Fertilizer

<b>Year</b>	<b>Name of Faculty</b>	<b>Title</b>
	<b>Jhon Vincent Caisip &amp; Jefferson Mojica</b>  Albento Jennarick & Santiago Harvey	Growth and Yield of Tomato In Tagaytay Loam Soil Amended with Different Biofertilizers
	<b>Venus O. Saz &amp; Jhon Vincent Caisip</b>  Aarol Acosta, Phia Paula Dejesa, Allen Iverson Lagunda, Jimuel Limbo & Vince Rafael Oclida	Growth and Yield Performance of the Three Pepper Varieties (Capsicum Annuum, Capsicum Annuum Var Longum And Capsicum Frutescans) Applied with Varying Levels of Carrageenan
	<b>Adolfo C. Manuel, Jr. &amp; Venus O. Saz</b>  Drixx Kaizer A. Barquilla & Jemylyn Lopez	Yield and Adaptability of Amaranth (Amaranthus Sp.) Varieties in Peri-Urban Condition
	<b>Venus O. Saz</b>  Alyssa Mae Peren & Carla May Rosanes	Different Concentration Of Wood Vinegar On The Fruit Quality And Shelf Life Of Lakatan Banana
	<b>Adolfo C. Manuel, Jr.</b>  Albert S. Mojica	Papaya (Carica papaya) Pickles Processing and Marketing
	<b>Adolfo C. Manuel, Jr.</b>  Ezra P. Mangante, & Rael C. Soriano	Awareness, Acceptance, Congruency and Dissemination of the University Vision And Mission, Cafenr Goals and Objectives of the BS Agriculture Program
	<b>Edgardo A. Gonzales</b>  Jenny M. Reña & Kimbern Ordoña	Processing and Marketing of Cocoshanghai and Coconuggets
2021	Venus O. Saz	Bangon Batangas S & T- Based Assistance to Taal Volcano's Internally Displaced Population

Year	Name of Faculty	Title
	Mariedel L. Autriz, Cristina F. Olo, Gary A. Pareja, Irvin dL. Matel, Ma. Cecille B. Anuada& Karl Louise D. Obispo	Comparative Morphological Analysis Among ItikPINAS Strains and Philippine Native Mallard Ducks (Anas Platyrhynchos domesticus L.)
	Lilibeth P. Novicio	Research Project: ASEAN-Norwegian Cooperation Project on Local Capacity Building for Reducing Plastic Pollution in the ASEAN Region (ASEANO) - Study 2: Mapping of Sources and Concentration of Plastic Waste Generation in Imus River Watershed
	Cristina F. Olo, Mariedel L. Autriz, Gary A. Pareja, Irvin dL. Matel, Ma. Cecille B. Anuada& Karl Louise D. Obispo	Estrus And Ovulation Predicted by Energy Balance, Body Condition Score and Metabolites (Plasma Cholesterol, Insulin, Glucose, Nefa) of Nutritionally Challenged Non-Descript Pubertal Goats
	Cristina F. Olo, Mariedel L. Autriz, Gary A. Pareja, Irvin dL. Matel, Ma. Cecille B. Anuada& Karl Louise D. Obispo	Relationship Of Energy Balance and Body Condition Score as A Measure of Reproductive Competence of Nutritionally Challenged Non-Descript Pubertal Goats
2020	<b>Adolfo C. Manuel, Jr.</b>  Diana Grace Z. De Mesa	Organic Rice Farming Practices and Compliance to the Philippine National Standards for Organic Agriculture in Occidental Mindoro
	<b>Adolfo C. Manuel, Jr.</b>  Arleen S. Upod	Soil Characterization and Productivity of Organic and Inorganic Rice Farms in Magsaysay, Occidental Mindoro
2019	Adolfo C. Manuel Jr.	Gender-Based Differentiation Among Ornamental Growers in Silang, Cavite 2019
	Lilibeth P. Novicio	Assessment of Major Point and Non-Point Sources of Water Pollution of Selected Rivers in Cavite
	Lilibeth P. Novicio	Environmental Impact Assessment, Cavite State University Main Campus
	<b>Edgardo A. Gonzales</b>  Nelo G. Pairat	Growth of Sweet Basil Fertilized with Different Levels of Black Soldier Fly (Hermetia illucens) Larvae Frass
	<b>Cristina F. Olo</b>	Evaluation of Management Practices of Quail Raisers in Region IV-A



Year	Name of Faculty	Title
	Marco Felix Valdez	
	<b>Cristina F. Olo</b> Bayani, John Lloyd J	Ovarian Morphology and Follicular Fluid Levels at Different Number of Expressed Estrus in Non-Descript Native Gilts
	<b>Irvin dL. Matel</b> Reizter R. Jimenez	Growth Performance of Philippine Native Chickens ( <i>Gallus gallusdomesticus</i> L.) Fed Commercial Feeds with Varying Levels of Papaya ( <i>Carica Papaya</i> L.) Leaf Extract
	<b>Irvin dL. Matel</b> Gleamey D. Gabionza	In Vitro Evaluation of Licicidal Efficacy of Green Muscardine Fungus ( <i>Metarhizium Anisopliae</i> ) Against Biting Lice ( <i>DamaliniaCaprae</i> ) Of Goats ( <i>Capra hircus</i> )
	<b>Evelyn O. Singson</b> Artemio T. Bañaga	Herbicidal Potential of Nami ( <i>Dioscorea hispida</i> ) Vinegar Against Selected Broadleaf Weeds Associated with Onion Production
	<b>Evelyn O. Singson</b> Harlene N. Erro	Population Dynamics of Coffee Insect Pests and their Natural Enemies in Amadeo, Cavite
	<b>Evelyn O. Singson</b> Brian Angelo R. Sustrina	Farmers' Awareness and Management of Coffee Insect Pests and their Natural Enemies in Selected Areas of Upland Cavite
	<b>Evelyn O. Singson</b> Rachel S. Madrazo	Influence of Temperature and Relative Humidity on Coffee Pests and their Natural Enemies
2018	Venus O. Saz	Role of Zeolite and Organic Soil Amendments in Enhancing Soil Health in Lowland Rice Soils Affected by Nickel Laterite in Sta. Cruz, Zambales
	Venus O. Saz	Effect of Zeolite and Organic Soil Amendments in Mitigating Chromium Uptake in Lowland Rice Soils Affected by Mining Activities
	<b>Evelyn O. Singson</b> Mariel Guban	Effectiveness of Selected Botanicals Against Coffee Berry Borer, <i>Hypothenemus</i> spp. (Coleoptera, Scolytidae) in <i>Coffea canephora</i> 2018
	<b>Evelyn O. Singson</b> Jay Lorenz J. Hingada	Pesticidal Potential of Selected Botanicals Against Rice Weevil ( <i>Sitophilus oryzae</i> L.) (Coleoptera: Curculionidae) 2018
	<b>Adolfo C. Manuel, Jr.</b>	Identification, Classification and Utilization of Lesser-Known Nutraceutical Plants in Selected Towns of Quezon Province

Year	Name of Faculty	Title
	Myla I. Ladines	
	<b>Adolfo C. Manuel, Jr.</b>	Efficacy of Liquid Seaweed Extract as Biostimulant on the Performance of Chinese Kale ( <i>Brassicca oleracea</i> var. <i>alboglabra</i> )
	Fredelino E. Vencina, Jr.	
	<b>Adolfo C. Manuel, Jr.</b>	Enhancement of Seed Germination, Seedling Growth and Water Stress Tolerance of Cacao Landrace through Mycovam Inoculation
	Christopher D. Briones	
	<b>Edgardo A. Gonzales</b>	Effects of Bio-Organic Fertilizer from Banana Peeling of Different Banana Varieties on the Growth Performance of Tomato ( <i>Solanum lycopersicum</i> ) Variety 'diamante'
	Aaron Mark V. Oxeño, Lliani Kichi O. Mercado & Georgina Anne M. Viaña	
	<b>Irvin dL. Matel &amp; Cristina F. Olo</b>	Influence of Dietary Vitamin E and Selenium to the Laying Performance, Egg Quality and Carcass Characteristics of Japanese Quails ( <i>Coturnix coturnix japonica</i> ) under Heat Stress (34°C)
	Karl Louisse D. Obispo	
	<b>Evelyn O. Singson</b>	Bio efficacy of Selected Botanicals Against Termites
	Marielle G. Torres	

### 3. Research of the core faculty of the program published in the last 5 years in international refereed journals

Year	Author	Title of article	Name of refereed journal	Date of publication (Year, Volume, page numbers)
2022	Venus O. Saz	Vetiver ( <i>Vetiveria zizanioides</i> ) as Phytoremediator on Chromium and Nickel Grown in Lowland Rice Soils Affected by Mining Activities	Journal of International Society for Southeast Asian Agricultural Sciences	Vol.28, No.2 Link: <a href="https://www.ukdr.uplb.edu.ph/etd-grad/2920/">https://www.ukdr.uplb.edu.ph/etd-grad/2920/</a>
	Cereneo Santiago Jr., <b>Adolfo C. Manuel Jr.</b> , Ammie P. Ferrer, Jocelyn L. Reyes, Beverly A. Malabag, & Erwin L. Cahapin	Perceptual Motivation and Involvement of Faculty towards Community Extension	Puissant – A Multidisciplinary Journal	Vol. 4, pp. 1155-1170 Link: <a href="https://puissant.stepacademic.net/puissant/article/view/214">https://puissant.stepacademic.net/puissant/article/view/214</a>

Year	Author	Title of article	Name of refereed journal	Date of publication (Year, Volume, page numbers)
	Chen, W. H., <b>Arpia, A. A.</b> , Chang, J. S., Kwon, E. E., Park, Y. K., & Culaba, A. B	Catalytic microwave torrefaction of microalga <i>Chlorella vulgaris</i> FSP-E with magnesium oxide optimized via Taguchi approach: A thermo-energetic analysis	Journal of Environmental Sciences	Vol.290, page:133374 Link: <a href="https://doi.org/10.1016/j.chemosp here.2021.133374">https://doi.org/10.1016/j.chemosp here.2021.133374</a>
	Chen, W. H., Chiu, K. L., Chein, R. Y., <b>Arpia, A. A.</b> , Sharma, A. K., Juan, J. C	Hydrogen production optimization from methanol partial oxidation via ultrasonic sprays using complementary analysis of response surface methodology and analysis of variance	International Journal of Energy Research	Vol. 108, page:2221 Link: <a href="https://doi.org/10.1002/er.8351">https://doi.org/10.1002/er.8351</a>
	<b>Arpia, A. A.</b> , Nguyen, T. B., Chen, W. H., Dong, C. D., & Ok, Y. S.	Microwave-assisted gasification of biomass for sustainable and energy-efficient biohydrogen and biosyngas production: A state-of-the-art review.	Science Direct:Chemosphere	Vol. 287, page:132014. Link: <a href="https://doi.org/10.1016/j.chemosp here.2021.132014">https://doi.org/10.1016/j.chemosp here.2021.132014</a>
2021	<b>Arpia, A. A.</b> , Chen, W. H., Lam, S. S., Rousset, P., & de Luna, M. D. G	Sustainable biofuel and bioenergy production from biomass waste residues using microwave-assisted heating: A comprehensive review.	Chemical Engineering Journal	Vol. 403, page:126233 Link: <a href="https://doi.org/10.1016/j.cej.2020.126233">https://doi.org/10.1016/j.cej.2020.126233</a>
	<b>Arpia, A. A.</b> , Chen, W. H., Ubando, A. T., Naqvi, S. R., & Culaba, A. B	Microplastic degradation as a sustainable concurrent approach for producing biofuel and obliterating hazardous environmental effects: A state-of-the-art review	Journal of Hazardous Materials	Vol.418, page:126381 Link: <a href="https://doi.org/10.1016/j.chemosp here.2021.132014">https://doi.org/10.1016/j.chemosp here.2021.132014</a>
	<b>Arpia, A. A.</b> , Chen, W. H., Ubando, A. T., Tabatabaei, M., Lam, S. S., Culaba, A. B., & de Luna, M. D. G.	Catalytic microwave-assisted torrefaction of sugarcane bagasse with calcium oxide optimized via Taguchi approach: Product characterization and energy analysis.	Fuel: Chemical Engineering Journal	Vol.305, page:121543 Link: <a href="https://doi.org/10.1016/j.fuel.2021.121543">https://doi.org/10.1016/j.fuel.2021.121543</a>
	Chang, C. Y., Chen, W. H., Saw, L. H., <b>Arpia, A. A.</b> , & Carrera Uribe, M.	Performance Analysis of a Printed Circuit Heat Exchanger with a Novel Mirror-Symmetric Channel Design.	Energies: Chemical Engineering Journal	Vol.14 (14), page:4254 Link: <a href="https://doi.org/10.3390/en14144252">https://doi.org/10.3390/en14144252</a>
	Chen, W. H., Aniza, R., <b>Arpia, A. A.</b> , Lo, H. J., Hoang, A. T., Goodarzi, V.,	A comparative analysis of biomass torrefaction severity index prediction from machine learning.	Journal of Applied Energy	Vol.324, page:119698 Link: <a href="https://doi.org/10.1016/j.apenergy.2022.119689">https://doi.org/10.1016/j.apenergy.2022.119689</a>

Year	Author	Title of article	Name of refereed journal	Date of publication (Year, Volume, page numbers)
	Gao, J. B. Venus O. Saz	Characteristics and Nutrient Status of Limestone Soils in Leyte and Samar, Philippines	Earth Sciences in the 21st Century. Geo-Information Technology in Earth Resources Monitoring and Management. Nova Science, New York.	Pages: 211-227 Link: <a href="https://www.researchgate.net/publication/352492545_Characteristics_and_Nutrient_Status_of_Limestone_Soils_in_Leyte_and_Samar_Philippines">https://www.researchgate.net/publication/352492545_Characteristics_and_Nutrient_Status_of_Limestone_Soils_in_Leyte_and_Samar_Philippines</a>
	Noel A. Sedigo, <b>Lilibeth P. Novicio</b> , P.L.D. Manolis, and J. E. Laureta	Mapping of Sources and Concentration of Plastic Wastes Generation in Imus River Watershed	PEMSEA Sea Knowledge Bank	Link: <a href="https://pemsea.org/publications/reports/aseano-project-report-mapping-sources-and-concentration-plastic-waste-imus">https://pemsea.org/publications/reports/aseano-project-report-mapping-sources-and-concentration-plastic-waste-imus</a>
	<b>Adolfo C. Manuel Jr.</b> Analita dM. Magsino, Cereneo S. Santiago Jr.and Renzo Kyle V. Onella	Gender-Based Differentiation among Ornamental Crop Growers in Silang, Cavite	International Journal of Plant & Soil Science	Vol.33(24), pages: 563-580, 2 Link: <a href="https://www.academia.edu/75187018/Gender_Based_Differentiation_among_Ornamental_Crop_Growers_in_Silang_Cavite">https://www.academia.edu/75187018/Gender_Based_Differentiation_among_Ornamental_Crop_Growers_in_Silang_Cavite</a>
2019	Rachelle M. Nazareno, <b>Evelyn O. Singson</b>	Edible Wild Food Resources of the Hanunuo and Buhid Tribes in Bongabong, Oriental Mindoro	First Annual National PCSMT Research Congress Book of Abstracts	Vol. 3 No. 2 Link: <a href="https://ojs.aaresearchindex.com/index.php/AAJMRA/article/view/4177">https://ojs.aaresearchindex.com/index.php/AAJMRA/article/view/4177</a>

**4. Research core faculty of the program published in the last 5 years in national refereed journals.**

Year	Author	Title of article	Name of refereed journal	Date of publication (Year, Volume, page numbers)
2021	Brian Angelo R. Sustrina, <b>Evelyn O. Singson</b> and <b>Adolfo C. Manuel Jr.</b>	Farmers' Awareness and Management Practices of Coffee Insect Pests in Selected Growing Areas in Cavite, Philippines	Philippine Coffee Journal	2

**5. Paper presented in international fora.**

Year	Presenter	Title of Paper	Fora	Date	Location
2022	Dr. Lilibeth O. Novicio	"The Pathway that Leads to the Discovery of the Beauty of Agri-Tourism: The Silan AgriFarm'sSciCAT Journey"	Research and Extension Conference 2022	May 30, 2023, to June 1, 2023	Manila via Zoom
2021	Dr. Venus O. Saz`	Application of Soil Amendments on the Chemical Fractions of Chromium and Nickel in Lowland Rice Soils as Affected by Mining activities	International Multidisciplinary research and Innovation Conference	June 29-30, 2021	Manila via Zoom
	Mr. Arjay A. Arpia	Microalgal biochar production via microwave torrefaction enhanced with the use of metal oxide as catalyst.	Nature Conferences 2021	October 26-28, 2021	Seoul, South Korea/ Virtual
	Dr. Lilibeth O. Novicio	Mapping of Pollution Sources under Component 2: Monitoring Methods and Capacity Building	Research and Extension Conference 2021	August 19 -20, 2021	Manila via Zoom
	Dr. Lilibeth O. Novicio	Establishment of DOST-PCAARRD Science for the Convergence of Agriculture and Tourism (SciCAT) - Project 2. Transforming Silan AgriFarm in Indang, Cavite into Science for the Convergence of Agriculture and Tourism (SciCAT)	Research and Extension Conference 2021	August 19 -20, 2021	Manila via Zoom
2020	Mr. Arjay A. Arpia	Catalytic effects of calcium oxide in microwave-assisted torrefaction of sugarcane bagasse optimized via Taguchi approach. <b>(Best Session Paper)</b>	International Conference on Biohydrogen and Bioprocesses	December 18-21, 2020	Taichung, Taiwan
	Mr. Arjay A. Arpia	Optimization of catalytic microwave-assisted torrefaction of sugarcane bagasse via Taguchi approach: Fuel properties and energy analysis.	International Conference on Applied Energy 2020	December 1-10, 2020	Bangkok, Thailand / Virtual
2019	Mr. Jhon Vincent Caisip	Effect of application of biochar in combination with mineral fertilizer on acidic sandy clay loam soil	ISAASS International Scientific Congress	November 19-21,2019	International Convention CenterCavite State University

Year	Presenter	Title of Paper	Fora	Date	Location
	Dr. Venus O. Saz	Effect of Zeolite and Organic Soil Amendments in Mitigating Chromium Uptake in Lowland Rice Soils Affected by Mining Activities	19th International Zeolite Conference	July 7-12, 2019	Crown Perth, Australia

#### 6. Paper presented in national fora.

Year	Presenter	Title of Paper	Fora	Date	Location
2022	Dr. Lilibeth P. Novicio	“SciCAT AVENUES: Access to Value Adding and Engaging iNnovations towards sUStainability of agri-Education and agri-touriSm”	Research and Extension Conference 2022	July09, 2022	Cavite State University, Indang
	Dr. Cristina F. Olo	Relationships of Postpartum Blood Metabolites, Body Condition Score and Return to Estrus in Non-descript Native Goats Fed Concentrates	CvSU In House Review 2022	September 2022	Cavite State University
	Dr. Lilibeth P. Novicio	Fundamental Principles on the Development of Ecotourism Sites” and “Transforming Traditional Farms into Agri-tourism Sites: The SciCAT Way	Regional Symposium on Research, Development and Extension	June 2, 2022	El Cielito Hotel, Baguio City
2021	Dr. Venus O. Saz	Vetiver (Vetiveriazizanioides) as Phytoremediator on Chromium and Nickel Grown in Lowland Rice Soils Affected by Mining Activities	National Virtual Conference on Multidisciplinary Research and Innovation	December 16-17, 2021	Via Zoom Virtual Meeting
	Dr. Lilibeth P. Novicio	Transforming Silan’s Farm in Indang, Cavite into Science for the Convergence of Agriculture and Tourism (SciCAT)”	Regional Symposium on Research, Development and Extension	October 20, 2021	Cavite State University, Indang, Cavite

Year	Presenter	Title of Paper	Fora	Date	Location
2020	Dr. Lilibeth P. Novicio	Issues and Challenges Experienced by Extension Service-Provider Institutions	16 <sup>th</sup> Extension In-house Review	December 3, 2020	
	Dr. Lilibeth P. Novicio	Cavite State University - Extension Services: Programs, Projects, and Other Initiatives	Research and Extension Week 2020	January 28 to February 12, 2020	Cavite State University, Indang, Cavite
2019	Dr. Venus O. Saz	Role of Zeolite and Organic Soil Amendments in Enhancing Soil Health in Lowland Rice Soils Affected by Nickel Laterite in Sta. Cruz, Zambales	DOST-ASTHRDP Conference	May 6-9, 2019	Crown Legacy Hotel, Baguio City
	Dr. Venus O. Saz	Phytoremediation and Effect of Soil Amendments on Chromium and Nickel Uptake in Lowland Rice Soils Affected by Mining Activities	DOST-ASTHRDP Conference	October 22-23, 2019	City of Muñoz, Nueva Ecija
	Prof. Ma. Cecille Basa-Anuada	Effect of Feeding Total Mixed Ration with Increasing Levels of Banana ( <i>Musa x paradisiaca</i> L.) Pseudostem on the Growth Performance, Nutrient Digestibility, Rumen Weight and Volume in Dairy Calves	ISAASS International Scientific Congress	October 14-16, 2019	Royce Hotel Pampanga
	Dr. Venus O. Saz	Effect of Zeolite and Organic Soil Amendments in Reducing Chromium and Nickel Uptake in Lowland Rice Soils Affected by Mining Activities	19th Zeolite Conference	May 2-3, 2019	Pasay City, Metro Manila
	Dr. Cristina F. Olo	"Breed and Breeding and Reproduction" under the relationship and nutrition in non-pubertal goats' project	Silan Agri-Farm	October 2019	Cavite State University
	Dr. Lilibeth P. Novicio	Quality Assessment of Labac-Alemang River and Canas River in Cavite, Philippines Thru Macroinvertebrates and Physico-chemical Parameters	CvSU Research Symposium	October 2019	Cavite State University
	Dr. Cristina F. Olo	" Laying performance of japanese quail ( <i>Coturnix Coturnix Japonica</i> ) supplemented with Zinc, Vitamin C and E subjected to long term heat stress	National Conference on Agriculture and Biotechnology	September 2019	CvSUICon Center, Indang, Cavite

<b>Year</b>	<b>Presenter</b>	<b>Title of Paper</b>	<b>Fora</b>	<b>Date</b>	<b>Location</b>
	Dr. Lilibeth P. Novicio	CvSU - Extension Services: Extension Programs and Projects; Trainings and Technical Services	2019 Research and Extension Week	May 23, 2019	Farmers' Hall, Magallanes, Cavite
2018	Dr. Cristina F. Olo	Improved Metabolic Profiles, Body Condition Score and Body Weight as Positive Modulators of Conception Rate of Non-descript Goats Fed Concentrates	31st Regional Symposium on Research, Development and Extension Services (RSRDEH) of the Southern Tagalog Agriculture, Aquatic, and Resources Research, Development, and Extension Consortium (STAARRDEC)	October 11 – 12, 2018	Laguna State Polytechnic University, Siniloan, Laguna
	Dr. Lilibeth P. Novicio	"Transforming Silan's Farm in Indang, Cavite into Science for the Convergence of Agriculture and Tourism (SciCAT): A SciCAT Project"	34th Regional Symposium on Research, Development and Extension	November 2018	Bulacan State University
	Dr. Lilibeth P. Novicio	Cavite State University's Poverty Alleviation Program thru the Ugnayan 2.0 Approach	16th Extension In-house Review with the theme "Role of Extension and Advisory Services in Building Resilient Communities"	September 1, 2018	Cavite State University - Carmona Campus, Carmona, Cavite



Year	Presenter	Title of Paper	Fora	Date	Location
	Dr. Lilibeth P. Novicio	Solid Waste and Solid Waste Management	2018 Research and Extension Week	April 19, 2018	Brgy. Limbon, Indang, Cavite
	Dr. Lilibeth P. Novicio	Extension Program Proposal Writing	2018 Research and Extension Week	March 12, 2018	Cavite State University - Cavite City Campus, Cavite City

#### 7. Patented/Commercialized Output of Research

Year	Patent no.	Title	Issuance	Inventor	Applicant/Application
2022	12022050164	Dioscorea esculenta syrup and uses thereof	Innovation and Technology Support Office	Hosea L. Matel, Nhyll Angelo S. Acuña, <b>Irvin DL. Matel</b>	April 8, 2022
2021	12021050345	Inulin Product from Bacterial Isolate and Method of Production thereof	Innovation and Technology Support Office	Hosea L. Matel, Nhyll Angelo S. Acuña, <b>Irvin DL. Matel</b>	July 27, 2021

#### 8. Software (if applicable)

Year	Patent no.	Title	Issuance	Inventor	Applicant/Application
2023	NA	DWPI (Derwent World Patent Index)	Clarivate	Derwent Innovation	26 January 2023
2022	NA	SPSS (Statistical Package for the Social Sciences)	Strategic Research and Development Center, Inc.	IBM	Purchase No. 2169-01-079
	NA	Turnitin	Turnitin Philippines, Inc.	John Barrie, Emmanuel Briand, Melissa Lipscomb, and Christian Storm	Until January 2024

**9. For software codes (not patentable but copyrightable) if applicable**

Year	Patent no.	Title	Issuance	Inventor	Applicant/Application
2020-2023	N/A	Farm Financial Statement and Analysis Calculator	Via Microsoft Excel	Guillermo P. Desenganio	N/A

**10. Copyrights**

Year	Title	Registration number	Date of Registration	Name of Copyright Owner	Date of Creation
2023	Workbook in Approaches and Practices in Pest Management	ISBN-987-971-014-748-9	2023	Ivy Amor Almonia, Aurelio E. Ampo, Francisco O. Esgrina Jr., Raquel B. Evagelista, Marita S. Labe, Nordalyn B. Pedroche, <b>Evelyn O. Singson</b> , Angelina Taduran-Gonzales, and Evelyn P. Vedasto	2023
	SINAG-Turismo Webinar Series 2021: Asexual Propagation	L2023-38	March 28, 2023	Lilibeth P. Novicio, Yolanda A. Ilagan, Pia Rhoda P. Lucero, Lady Aileen A. Orsal, Bernadette S. Amparo, Roselle G. Esguerra, Sheena Mae L. de Leon	2023
	SINAG-Turismo Webinar Series 2021: Nursery Management	L2023-40	March 28, 2023	Lilibeth P. Novicio, Yolanda A. Ilagan, Pia Rhoda P. Lucero, Lady Aileen A. Orsal, Bernadette S. Amparo, Roselle G. Esguerra, Sheena Mae L. de Leon	2023

<b>Year</b>	<b>Title</b>	<b>Registration number</b>	<b>Date of Registration</b>	<b>Name of Copyright Owner</b>	<b>Date of Creation</b>
	SINAG-Turismo Webinar Series 2021: Native Chicken Production	L2023-36	March 28, 2023	Lilibeth P. Novicio, Yolanda A. Ilagan, Pia Rhoda P. Lucero, Lady Aileen A. Orsal, Bernadette S. Amparo, Roselle G. Esguerra, Sheena Mae L. de Leon	2023
	SINAG-Turismo Webinar Series 2021: Vermicomposting	L2023-41	March 28, 2023	Lilibeth P. Novicio, Yolanda A. Ilagan, Pia Rhoda P. Lucero, Lady Aileen A. Orsal, Bernadette S. Amparo, Roselle G. Esguerra, Sheena Mae L. de Leon	2023
	Sulit-Saya saSciCAT Silan Phase 1 Poster	O2023-1363	March 28, 2023	Lilibeth P. Novicio, Yolanda A. Ilagan, Pia Rhoda P. Lucero, Lady Aileen A. Orsal, Bernadette S. Amparo, Roselle G. Esguerra, Sheena Mae L. de Leon	2023
	SciCAT-Silan AgriFarm Phase 1 Promotional Video	L2023-43	March 28, 2023	Lilibeth P. Novicio, Yolanda A. Ilagan, Pia Rhoda P. Lucero, Lady Aileen A. Orsal, Bernadette S. Amparo, Roselle G. Esguerra, Sheena Mae L. de Leon	2023
	SciCAT-Silan AgriFarmQUARANstory	L2023-39	March 28, 2023	Lilibeth P. Novicio, Yolanda A. Ilagan, Pia Rhoda P. Lucero, Lady Aileen A. Orsal, Bernadette S. Amparo, Roselle G. Esguerra, Sheena Mae L. de Leon	2023
	SciCAT-Silan AgriFarm Dragon Fruit Farming	L2023-37	March 28, 2023	Lilibeth P. Novicio, Yolanda A. Ilagan, Pia Rhoda P. Lucero, Lady Aileen A. Orsal, Bernadette S. Amparo, Roselle G. Esguerra, Sheena Mae L. de Leon	2023
	Sulit-Saya saSciCAT Silan AgriFarm Promotional Video	L2023-42	March 28, 2023	Lilibeth P. Novicio, Yolanda A. Ilagan, Pia Rhoda P. Lucero, Lady Aileen A. Orsal, Bernadette S. Amparo, Roselle G. Esguerra, Sheena Mae L. de Leon	2023
	SciCAT-Silan AgriFarm Phase 2 Promotional Video	L2023-44	March 28, 2023	Lilibeth P. Novicio, Yolanda A. Ilagan, Pia Rhoda P. Lucero, Lady Aileen A. Orsal, Bernadette S. Amparo, Roselle G. Esguerra, Sheena Mae L. de Leon	2023

Year	Title	Registration number	Date of Registration	Name of Copyright Owner	Date of Creation
	Agronomic Performance of Bell Pepper in Tagaytay Loam Soil Amended with Trichoderma	020231634	May 25, 2023	Jedidiah Roderno and Lorenz John Stangl	February 13, 2023
	Growth and Yield Performance of Okra in Response to Saba Banana Peelings	020231620	May 25, 2023	Paula Rose C. Mamolo and Judylyne C. Toledo	February 13, 2023
	Different Concentrations of Wood Vinegar on the Fruit Quality and Shelf Life of Lacatan Banana	020231632	May 25, 2023	Alyssa Mae P. Peren and Carla May M. Rosanes	February 13, 2023
2022	Principles of Crop Protection Workbook	ISBN-621-8307-61-2	2022	Lary V. Aceres, Arturo M. Alegado, Aurelio E. Ampo, Ivy Amor Almonia, Elaida R. Fiegalan, Angelina Taduran-Gonzale, Marita S. Labe, Judith T. Pit, <b>Evelyn O. Singson</b> , and Evelyn P. Vedasto	2022
	Information Bulletin no. 3 CvSU ATBI Services (Brochure)	O2022-246	March 9, 2022	Almira G. Magcawas; Danikka A. Cubillo; Ruel M. Mojica; Guillermo P. Desinganio; Michelle M. Razo; and Marielle L. Romero	2021
	Information Bulletin no. 2 CvSU ATBI Application and Incubation Process (Brochure)	O2022-245	March 9, 2022	Almira G. Magcawas; Danikka A. Cubillo; Ruel M. Mojica; Guillermo P. Desinganio; Michelle M. Razo; and Marielle L. Romero	2021
	Gabay saPagtanim ng Talong	O2022-244	March 9, 2022	Ruel M. Mojica; Lilibeth P. Novicio; Yolanda A. Ilagan; Lady Aileen A. Orsal; Edilberto R. Silan; Sheila Elaine D. Silan; Sheena Mae L. de Leon	2021
	Gabay saPagtanim ng Saging	O2022-243	March 9, 2022	Ruel M. Mojica; Lilibeth P. Novicio; Yolanda A. Ilagan; Lady Aileen A. Orsal; Edilberto R. Silan; Sheila Elaine D. Silan; Sheena Mae L. de Leon	2021
	Gabay saPagtanim ng Kamatis	O2022-242	March 9, 2022	Ruel M. Mojica; Lilibeth P. Novicio; Yolanda A. Ilagan; Lady Aileen A. Orsal; Edilberto R. Silan; Sheila Elaine D. Silan; Sheena Mae L. de Leon	2021

Year	Title	Registration number	Date of Registration	Name of Copyright Owner	Date of Creation
	SciCat-Silan AgriFarm Stingless Beekeeping	L2022-447	September 21, 2022	Lilibeth P. Novicio; Yolanda A. Ilagan; Pia Rhoda P. Lucero; Lady Aileen A. Orsal; Bernadette S. Amparo; Roselle G. Esguerra; Sheena Mae L. De Leon	2022
	SciCat-Silan AgriFarm Banana Production	L2022-446	September 21, 2022	Lilibeth P. Novicio; Yolanda A. Ilagan; Pia Rhoda P. Lucero; Lady Aileen A. Orsal; Bernadette S. Amparo; Roselle G. Esguerra; Sheena Mae L. De Leon	2022
2021	Gabay saPagaalaga ng Lukot	O2021-1174	December 1, 2021	Ruel M. Mojica; Lilibeth P. Novicio; Yolanda A. Ilagan; Lady Aileen A. Orsal; Edilberto R. Silan; Sheila Elaine D. Silan; Sheena Mae L. de Leon	2021
	Gabay saPagtatanim ng Pinya	O2021-1167	December 1, 2021	Ruel M. Mojica; Lilibeth P. Novicio; Yolanda A. Ilagan; Lady Aileen A. Orsal; Edilberto R. Silan; Sheila Elaine D. Silan; Sheena Mae L. de Leon	2021
	Gabay sa Pag-aalaga ng Kambing	O2021-1168	December 1, 2021	Ruel M. Mojica; Lilibeth P. Novicio; Yolanda A. Ilagan; Lady Aileen A. Orsal; Edilberto R. Silan; Sheila Elaine D. Silan; Sheena Mae L. de Leon	2021
	Science for the Converge of Agriculture and Tourism	O2021-1169	December 1, 2021	Ruel M. Mojica; Lilibeth P. Novicio; Yolanda A. Ilagan; Lady Aileen A. Orsal; Edilberto R. Silan; Sheila Elaine D. Silan; Sheena Mae L. de Leon	2021
	Gabay saPagtatanim ng Dragon Fruit	O2021-1170	December 1, 2021	Ruel M. Mojica; Lilibeth P. Novicio; Yolanda A. Ilagan; Lady Aileen A. Orsal; Edilberto R. Silan; Sheila Elaine D. Silan; Sheena Mae L. de Leon	2021
	DOST-PCAARRD-CvSU Agri-Aqua Technology Business Incubation (Brochure) bulletin no.	O2021-1160	December 1, 2021	Almira G. Magcawas; Danikka A. Cubillo; Ruel M. Mojica; Guillermo P. Desinganio; Michelle M. Razo; and Marielle L. Romero	2021
	Gabay saPagtatanim ng Papaya	O2021-1165	December 1, 2021	Ruel M. Mojica; Lilibeth P. Novicio; Yolanda A. Ilagan; Lady Aileen A. Orsal; Edilberto R. Silan; Sheila Elaine D. Silan; Sheena Mae L. de Leon	2021

<b>Year</b>	<b>Title</b>	<b>Registration number</b>	<b>Date of Registration</b>	<b>Name of Copyright Owner</b>	<b>Date of Creation</b>
	Gabay saPagpoproseso ng Papaya	O2021-1166	December 1, 2021	Ruel M. Mojica; Lilibeth P. Novicio; Yolanda A. Ilagan; Lady Aileen A. Orsal; Edilberto R. Silan; Sheila Elaine D. Silan; Sheena Mae L. de Leon	2021

#### 11. Citations of research by other researchers

<b>Year</b>	<b>Title of Research</b>	<b>Author</b>	<b>Name of Refereed Journal</b>	<b>Date of Publication</b>	<b>No. of citations</b>
2023	Adsorption capacities and related characteristics of wood charcoals carbonized using a one-step or two-step process	Lilibeth Pulido-Novicio	Journal of Wood Science Volume 47 Pages 48-57	2001	10

Year	Title of Research	Author	Name of Refereed Journal	Date of Publication	No. of citations
	Removal of Mercury from Aqueous Solutions of Mercuric Chloride Using Wood Powder Carbonized at High Temperature		Wood research: bulletin of the Wood Research Institute Kyoto University Volume 85  Pages 48-55	1998	1
	The adipose obese gene product, leptin: evidence of a direct inhibitory role in ovarian function	Cristina F. Olo	Endocrinology 138 (8), 3374-3379	1997	4
	The adipose obese gene product, leptin: evidence of a direct inhibitory role in ovarian function		Biology of Reproduction 58 (1), 207-212	1998	1
	Adipose obese gene product, leptin, inhibits bovine ovarian thecal cell steroidogenesis		Endocrinology 138 (8), 3374-3379	2000	4
	Ovarian action of leptin: effects on insulin-like growth factor-I-stimulated function of granulosa and thecal cells		Biology of Reproduction 58 (1), 207-212	2002	8
	Propionibacteria fed to dairy cows: effects on energy balance, plasma metabolites and hormones, and reproduction		Endocrine 12, 53-59	2003	3
	Insulin-like growth factor-binding protein-2 and-3: their biological effects in bovine thecal cells		Journal of dairy science 86 (9), 2852-2863	2013	2
	Sustainable biofuel and bioenergy production from biomass waste residues using microwave-assisted heating: A comprehensive review		Arjay A Arpia	Chemical Engineering Journal Volume 403 Pages 1262-33 Publisher Elsevier	2021
	Microplastic degradation as a sustainable concurrent approach for producing biofuel and obliterating hazardous environmental effects: a state-of-the-art review	Journal of Hazardous Materials Volume 418 Pages 1263-81 Publisher Elsevier		2021	33
	A comparative analysis of biomass torrefaction severity index prediction from machine learning	Applied Energy Volume 324 Pages 1196-89 Publisher Elsevier		2022	18

Year	Title of Research	Author	Name of Refereed Journal	Date of Publication	No. of citations
	Microwave-assisted gasification of biomass for sustainable and energy-efficient biohydrogen and biosyngas production: A state-of-the-art review		Chemosphere Volume 287 Pages 132014 Publisher Pergamon	2022	11
	Catalytic microwave-assisted torrefaction of sugarcane bagasse with calcium oxide optimized via Taguchi approach: Product characterization and energy analysis		Fuel Volume 305 Pages 121543 Publisher Elsevier	2021	7
	Catalytic microwave torrefaction of microalga Chlorella vulgaris FSP-E with magnesium oxide optimized via taguchi approach: A thermo-energetic analysis		Chemosphere Volume 290 Pages 133374 Publisher Pergamon	2022	2
	Hydrogen production optimization from methanol partial oxidation via ultrasonic sprays using response surface methodology and analysis of variance		International Journal of Energy Research Volume 46 Issue 12 Pages 16839-16853 Publisher John Wiley & Sons, Inc.	2022	1
	Performance analysis of a printed circuit heat exchanger with a novel mirror-symmetric channel design. Energies, 2021 (14), 4252		Green Energy Technology Pages 205	2021	1
2022	Adsorption capacities and related characteristics of wood charcoals carbonized using a one-step or two-step process	Lilibeth Pulido-Novicio	Journal of Wood Science Volume 47 Pages 48-57	2001	2
	The adipose obese gene product, leptin: evidence of a direct inhibitory role in ovarian function	Cristina F. Olo	Endocrinology 138 (8), 3374-3379	1997	4
	The adipose obese gene product, leptin: evidence of a direct inhibitory role in ovarian function		Biology of Reproduction 58 (1), 207-212	1998	7
	Propionibacteria fed to dairy cows: effects on energy balance, plasma metabolites and hormones, and reproduction		Endocrine 12, 53-59	2003	3
	Predicting cholesterol, progesterone, and days to ovulation using postpartum metabolic and endocrine measures		Journal of dairy science 85 (7), 1738-1751	1997	1



Year	Title of Research	Author	Name of Refereed Journal	Date of Publication	No. of citations
	Insulin-like growth factor-binding protein-2 and-3: their biological effects in bovine thecal cells		Journal of dairy science 86 (9), 2852-2863	2013	
	Laying Performance of Japanese Quail (Coturnix Coturnix Japonica) Supplemented with Zinc, Vitamin C and E Subjected to Long Term Heat Stress		Endocrinology 138 (8), 3374-3379	2000	3
	Sustainable biofuel and bioenergy production from biomass waste residues using microwave-assisted heating: A comprehensive review	Arjay A Arpia	Chemical Engineering Journal Volume 403 Pages 126233 Publisher Elsevier	2021	70
	Microplastic degradation as a sustainable concurrent approach for producing biofuel and obliterating hazardous environmental effects: a state-of-the-art review		Journal of Hazardous Materials Volume 418 Pages 126381 Publisher Elsevier	2021	24
	A comparative analysis of biomass torrefaction severity index prediction from machine learning		Applied Energy Volume 324 Pages 119689 Publisher Elsevier	2022	14
	Microwave-assisted gasification of biomass for sustainable and energy-efficient biohydrogen and biosyngas production: A state-of-the-art review		Chemosphere Volume 287 Pages 132014 Publisher Pergamon	2022	15
	Catalytic microwave-assisted torrefaction of sugarcane bagasse with calcium oxide optimized via Taguchi approach: Product characterization and energy analysis		Fuel Volume 305 Pages 121543 Publisher Elsevier	2021	11
	Catalytic microwave torrefaction of microalga Chlorella vulgaris FSP-E with magnesium oxide optimized via taguchi approach: A thermo-energetic analysis		Chemosphere Volume 290 Pages 133374 Publisher Pergamon	2022	3
2021	Analysis of Coffee-Based Cropping Systems in Upland Cavite, Philippines Toward Improved Sustainability	Gilchor P. Cubillo	Journal of US-China Public Administration, June 2016, Vol. 13, No. 6, 407-418 doi: 10.17265/1548-6591/2016.06.004	2016	2

Year	Title of Research	Author	Name of Refereed Journal	Date of Publication	No. of citations
	Resources Productivity and Systems Profitability of Selected Coffee-Based Farms in Upland Cavite, Philippines		Journal of US-China Public Administration	2016	1
	The adipose obese gene product, leptin: evidence of a direct inhibitory role in ovarian function	Cristina F. Olo	Endocrinology 138 (8), 3374-3379	1997	11
	The adipose obese gene product, leptin: evidence of a direct inhibitory role in ovarian function		Biology of Reproduction 58 (1), 207-212	1998	2
	Adipose obese gene product, leptin, inhibits bovine ovarian thecal cell steroidogenesis		Endocrinology 138 (8), 3374-3379	2000	4
	Ovarian action of leptin: effects on insulin-like growth factor-I-stimulated function of granulosa and thecal cells		Biology of Reproduction 58 (1), 207-212	2002	1
	Propionibacteria fed to dairy cows: effects on energy balance, plasma metabolites and hormones, and reproduction		Endocrine 12, 53-59	2003	1
	Predicting cholesterol, progesterone, and days to ovulation using postpartum metabolic and endocrine measures		Journal of dairy science 85 (7), 1738-1751	1997	4
	Insulin-like growth factor-binding protein-2 and-3: their biological effects in bovine thecal cells		Journal of dairy science 86 (9), 2852-2863	2013	
	Laying Performance of Japanese Quail (Coturnix Coturnix Japonica) Supplemented with Zinc, Vitamin C and E Subjected to Long Term Heat Stress		Endocrinology 138 (8), 3374-3379	2000	3
	Changes in milk urea nitrogen during early lactation in Holstein cows		Oklahoma Agricultural Experiment Station, Division of Agricultural Sciences and Natural Resources, Oklahoma State University Issue P-980 Pages 169-171	2000	1
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Year	Title of Research	Author	Name of Refereed Journal	Date of Publication	No. of citations
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	The adipose obese gene product, leptin: evidence of a direct inhibitory role in ovarian function		Biology of Reproduction 58 (1), 207-212	1998	3
	Adipose obese gene product, leptin, inhibits bovine ovarian thecal cell steroidogenesis		Endocrinology 138 (8), 3374-3379	2000	2
	Ovarian action of leptin: effects on insulin-like growth factor-I-stimulated function of granulosa and thecal cells		Biology of Reproduction 58 (1), 207-212	2002	3
	Propionibacteria fed to dairy cows: effects on energy balance, plasma metabolites and hormones, and reproduction		Endocrine 12, 53-59	2003	4
	Predicting cholesterol, progesterone, and days to ovulation using postpartum metabolic and endocrine measures		Journal of dairy science 85 (7), 1738-1751	1997	5
	Laying Performance of Japanese Quail (Coturnix Coturnix Japonica) Supplemented with Zinc, Vitamin C and E Subjected to Long Term Heat Stress		Endocrinology 138 (8), 3374-3379	2000	1
	The adipose obese gene product, leptin: evidence of a direct inhibitory role in ovarian function	Cristina F. Olo	Endocrinology 138 (8), 3374-3379	1997	7
	The adipose obese gene product, leptin: evidence of a direct inhibitory role in ovarian function		Biology of Reproduction 58 (1), 207-212	1998	1
	Adipose obese gene product, leptin, inhibits bovine ovarian thecal cell steroidogenesis		Endocrinology 138 (8), 3374-3379	2000	

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	Predicting cholesterol, progesterone, and days to ovulation using postpartum metabolic and endocrine measures		Journal of dairy science 85 (7), 1738-1751	1997	1
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