



CPU Research NEWSLETTER

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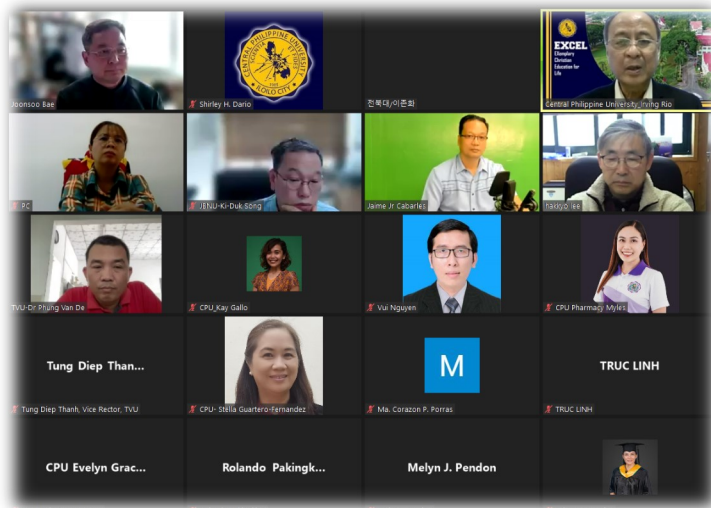
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A Collaborative Endeavor: Best Library Practices Explored by CPU and Tra Vinh University

A collaborative study project between Tra Vinh University, Vietnam and Central Philippine University (CPU), highlights the complex dynamics of academic library management and resource use. The study, lead by Dr. Merle L. Junsay, and grouped member Dr. Althea U. Denuuevo, Rhea Joy Fernandez, and Rowena M. Libo-on, as well as Dr. Thuy Tieu Thanh and Ms. Huynh Nhu from Tra Vinh University, looks into the roles and difficulties that these institutions' libraries face.

The researchers assessed how learning resources were used, highlighting important areas that needed to be enhanced and improved. The study intends to provide significant insights to the field of library science by contrasting and analyzing the methods of these two universities, which will ultimately help researchers, faculty, and students alike.

In a separate joint project, CPU and Tra Vinh University researchers looked at how library space affects students' satisfaction with their education. The following are the team members of this research grouped from CPU namely: Dr. Ma. Shiela C. Sapul, Dr. Donie S. Jardeleza, Prof. Ma. Christina A.



Quijano and Prof. Ana Mae B. Cantel. Along with Dr. Bao An Nguyen and Ms. Le Thi Thuy Lan from Tra Vinh University, Vietnam. CPU look into how the organization and design of university libraries in Vietnam and the Philippines affect students' whole educational experience.

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Leading the Way: New Research Director



Dr. Evelyn Grace de Jesus Ayson has been appointed as the new Acting Director of the University Research Center, and we are happy to convey this news. Bringing with her an array of expertise directing creative projects in marine fish breeding and aquaculture, Dr. Ayson joins us with a remarkable background in scientific research.

She has made significant contributions to the advancement of research on the breeding, hatchery, nursery, and grow-out production of marine fish, with a particular emphasis on grouper, snapper, seabass, pompano, milkfish, and rabbitfish. Her research also includes assessing the effects of climate change on marine fish larvae's

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CPU and Tra Vinh University... *from page 1*

In order to improve student satisfaction and academic performance, the researchers plan to offer recommendations for optimizing library environments through the analysis of several elements, including lighting, seating configurations, and noise levels.

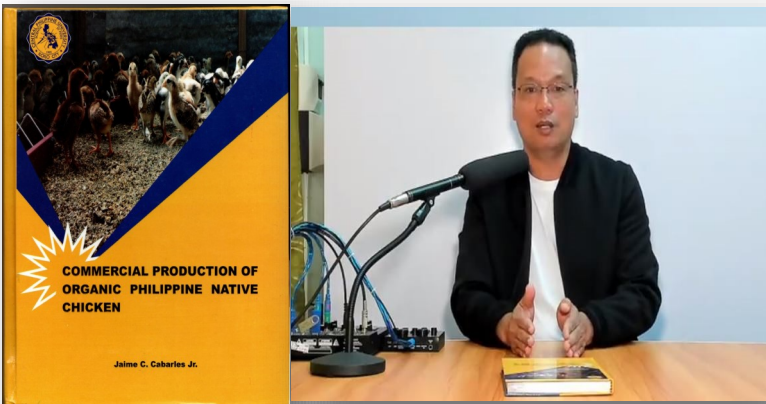
Dr. Renia F. De la Peña, Dr. Irving Domingo L. Rio, and Prof. Ma. Cynthia T. Peleña from CPU, together with Dr. Thuy Tieu Thanh and Dr. Bich Duong Ngoc from Tra Vinh University, Vietnam, delve into the complex world of cataloging library resources. Their collaborative study uncovers the various issues and chal-

lenges faced by libraries in cataloging and organizing their collections effectively.

The researchers also aim to increase the effectiveness and use of library resources by bringing attention to these issues and outlining potential solutions, which will eventually help researchers, instructors, and students.

These joint research projects from CPU and Tra Vinh University are an outstanding example of how global collaboration may advance knowledge and comprehension in the field of library science. Both universities hope that their research will provide insightful information that will help academic libraries and users worldwide.

Research Study on Organic Philippine Native Chicken Goes Global



A research study on the "Commercial Production of Organic Philippine Native Chicken" and the accompanying "Protocol for Commercial Production of Organic Philippine Native Chicken for Dressed/Slaughter" has garnered international attention, with its materials now circulating not only in the Philippines but also in the African continent.

The study, led by a team of experts Dr. Jaime Cabarles, Jr., Dean of the College of Agriculture, Resources and Environmental Sciences of Central Philippine University (CPU), has been widely praised for its innovative approach to poultry production. The protocol developed by the research team provides a comprehensive guide for farmers and producers looking to raise organic Philippine native chickens in a sustainable and environmentally friendly manner.

One of the key highlights of the study is its emphasis on

traditional farming practices that enhance the quality and flavor of the chicken meat. By harnessing natural biodiversity and avoiding the use of synthetic chemicals or antibiotics, the protocol ensures that the chickens are not only organic but also rich in flavor and nutrients.

The publication and circulation of these materials in the African continent have sparked interest among farmers and producers who are looking to adopt sustainable and organic farming practices. The protocol's success in the Philippines has demonstrated its effectiveness and feasibility in other regions with similar agricultural landscapes and challenges.

CPU is proud to be at the forefront of sustainable agriculture research and innovation. The university remains committed to sharing its knowledge and expertise with the global community to promote sustainable food production and environmental stewardship.

As the study continues to gain recognition and influence, CPU looks forward to further collaborations and partnerships that will help expand the reach and impact of this important research.

CPU Representatives Attend SERP-P Annual Symposium and Meeting



Speakers and Participants from different partner-institutions

The Socioeconomic Research Portal for the Philippines (SERP-P) Network held its Annual Symposium and Meeting last November 28 to 30, 2023, at the Richmond Hotel Ortigas.

Prof. Ma. Cynthia T. Peleña, director of the university library and Ms. Ligaya Villarias-Caniel, the university research center secretary, and also the in-charge of the uploading of the research publication to the SERP-P repository attended and participated in the discussions focusing on topics including the latest trends, innovations, and exploring the transformative power of digital tools like artificial intelligence (AI) in shaping the future of knowledge generation and sharing. The symposium provided a valuable platform for sharing insights, exchanging ideas, and exploring collaborative opportuni-

ties with other members of the SERP-P Network.

Presenters in the morning session include Associate Professor Peter Sy of the Philosophy Department at the University of the Philippines-Diliman, Senior Communication Officer Pinky Serafica of the Asian Development Bank, and Copy Editor and Consultant Mary Claire G. Mercado of CNN Philippines.

The symposium also served as an opportunity for CPU representatives to showcase the university's research and academic initiatives. Through the presentations, panel discussions, and networking events, CPU highlighted its commitment to research excellence and its contributions to socio-economic development in the Philippines.

Attending the SERP-P Annual Symposium and Meeting reaffirmed CPU's commitment to engaging with the wider research community and contributing to meaningful socio-economic change. The university looks forward to continued collaboration with SERP-P and other partners to address the challenges facing the Philippines and the region as a whole.

CPU extends its gratitude to SERP-P for organizing such a successful and informative event and looks forward to future collaborations and engagements that will further advance socio-economic research and policy in the Philippines.

New Research Director... *from page 1*

recruitment and reproduction, an important field of study given the state of the environment today.

Prior to joining CPU, Dr. Ayson served as a Scientist at the Southeast Asian Fisheries Development Center/ Aquaculture Department (SEAFDEC/AQD), where she oversaw marine fish breeding and hatchery operations. Her leadership as Head of the Research Division from 2006 to 2011 and from 2015 to 2017 demonstrates her commitment to driving research excellence and fostering collaboration among researchers.

In her capacity as the University Research Center's acting director, Dr. Ayson will be essential in furthering the research agenda of CPU, encouraging interdisciplinary cooperation, and obtaining funding for creative initiatives. Her knowledge and leadership will be crucial in directing our scientific community toward novel findings and answers to urgent problems.

Under her direction and leadership, we are eager to begin this new chapter of outstanding research.

Seminar Writeshop Equips Researchers with Skills for Scientific Journal Publications



Central Philippine University (CPU) recently hosted a Seminar Writeshop focused on enhancing researchers' skills in writing manuscripts for publication in scientific journals. The event, held on November 14, 2023 at the KDC, Henry Luce III Library, brought together faculty members and researchers from various disciplines to learn best practices and strategies for effective scientific writing.

The Seminar Writeshop provided the participants with valuable insights into the process of preparing and submitting manuscripts for publication. Topics covered included structuring manuscripts, choosing the right journal, understanding the peer-review process, and addressing reviewer comments.

Dr. Evelyn Grace D. Ayson, the Acting Director of the University Research Center, also serves as the resource speaker which, emphasized the importance of clear and concise writing in communicating research find-

ings. "Writing for scientific journals requires a specific skill set," Dr. Ayson stated. "Our goal is to equip researchers with the tools and knowledge they need to effectively communicate their research and contribute to the advancement of their respective fields."

Participants also had the opportunity to receive feedback on their own manuscripts and discuss challenges and best practices with their peers. The interactive nature of the writeshop encouraged collaboration and peer learning, creating a dynamic and engaging environment for all involved.

Feedback from participants was overwhelmingly positive, with many expressing gratitude for the practical advice and guidance provided. "The Seminar Writeshop was incredibly helpful," said one participant. "I feel much more confident in my ability to write and submit manuscripts for publication."

CPU remains committed to supporting its researchers in their academic and professional development. Events like the Seminar Writeshop are part of the university's ongoing efforts to foster a culture of research excellence and innovation among its faculty and students.

As participants continue to refine their manuscripts and prepare them for submission, CPU looks forward to seeing their research published in top-tier scientific journals, further enhancing the university's reputation as a hub of academic excellence.

Research Director Participates at 33rd Regional Symposium on Research & Development Highlights

The Central Philippine University (CPU) Research Director, Dr. Evelyn Grace D. Ayson, recently attended the 33rd Regional Symposium on Research and Development Highlights held at Carlos Hilado Memorial State University (CHMSU) in Talisay City, Negros Occidental, last December 4-6, 2023. The event provided a platform for researchers, academics, and industry professionals to showcase their latest research findings and innovations.



Fernandez and Caniel Engaged a Transformative Experience on AI Application



Dr. Stella G. Fernandez, Dean of the College of Arts and Sciences and Ms. Ligaya-Villarias Caniel, the secretary of the university research center, recently participated in a transformative workshop on "Research Proposal Writing for Scopus Publication with AI Application" held last February 29 to March 2, 2024, at One Central Hotel, Cebu City.

The workshop, aimed that, to understand the Scopus publication process, to develop effective research proposals, to incorporate methodological rigor and ethical considerations and at the same time

to enhance the research proposal writing skills in incorporating artificial intelligence (AI) applications, which proved to be an enlightening experience for both Dr. Fernandez and Ms. Caniel.

Dr. Genaro V. Japos, President of the International Association of Multidisciplinary Research, Inc., also serves as the resource speaker for this two-day sessions. This workshop on research proposal writing and AI technology, provides valuable insights into developing high-quality research proposals that meet the standards of Scopus publication.

Dr. Stella Fernandez, learned the importance of clarity, coherence, and innovation in research proposal development. They also develop the expertise in the field that enriched the discussions and inspired the participants to think creatively in crafting their proposals.

The participants actively engaged in the workshop's hands-on sessions. Their enthusiasm for integrating AI applications into the research proposals, recognizing the potential of AI in advancing research in their respective fields.

The workshop concluded with 83 participants from Luzon, Visayas and Mindanao area, gaining practical skills and knowledge that will enable them to develop high-quality research proposals for Scopus publication.

33rd Regional Symposium... *from page 4*

Dr. Ayson also served as one of the panel of evaluators at the symposium, where they reviewed and provided feedback on numerous research presentations. The symposium covered a wide range of topics, including agriculture, technology, health sciences, and social sciences, highlighting the diverse research being conducted in the region.

In addition to evaluating research presentations, Dr. Ayson also had the opportunity to network with fellow researchers and industry experts, fostering collaborations and knowledge sharing.

Her attendance at the 33rd Regional Symposium on Research and Development Highlights reflects



CPU's dedication to promoting research excellence and contributing to the development of the region. The university looks forward to building on this experience to further strengthen its research efforts and make meaningful contributions to society.

CPU BS Biology Students Receive DOST-PCHRD Thesis Grant

A thesis grant has been given to three BS Biology graduating students of Central Philippine University (CPU) by the Department of Science and Technology's Philippine Council for Health Research and Development (DOST-PCHRD). The recipients of the grant are Mia Rose B. Vergara, Alleiah John G. Gumban, and Rina Jane Lumawag.

The study, entitled "Antiparasitic Activity of Ethanolic Extracts from Makabuhay (*Tinospora rumphii* Boerl)

Stems and Dumb Cane (*Dieffenbachia seguine*) Leaves Against Sea Lice (*Lepeophtheirus spinifer* Kirtisinghe) Infestation in Snubnose Pompano (*Trachinotus blochii* Lacepede)," investigates the possible antiparasitic qualities of specific plant extracts in relation to sea lice infestation in snubnose pompano, a fish species that is essential economically. This is moreover one of the nineteen (19) national initiatives that have been awarded fifty thousand pesos (Php50,000.00) in funding from the DOST-PCHRD.

The CPU facility was visited by the DOST-PCHRD Project Monitoring Team on March 5, 2024, to evaluate the status of the research project. The students presented their study's find-



(from left) Ms. Daphne Joyce Maza (DOST-PCHRD), Dr. Stella G. Fernandez (Dean-CAS), Ms. Alysya Marie Pedraza (DOST-PCHRD), Ms. Ian Hannah C. Gozum (DOST-PCHRD), Mia Rose B. Vergara (LS student), Rina Jane B. Lumawag (LS student), Alleiah John G. Gumban (LS student), Dr. Evelyn Grace D. Ayson (URC Acting Director/Thesis Adviser), and Prof. Jayvee Jore (OIC Chairperson-Life Science Dept)

ings, the activities that were coming up, and a financial report on the project during the visit. The Project Monitoring Team also had a tour of the University Research Development Center's laboratory and facilities.

The meeting with the Project Monitoring Team was attended by the student grant recipients as well as the Dean of the College of Arts and Sciences, Dr. Stella G. Fernandez, the OIC chairperson of the Life Sciences Department, Professor Jayvee Jore, and the Thesis Adviser and at the same time the Acting Director of the University Research Center, Dr. Evelyn Grace D. Ayson.

May the students' opportunity to do this project develop more avenues for Central Philippine University researchers in the future, as well as for partnerships with DOST.

“Whatever you do, work at it with all your heart, as working for the Lord, not for human masters, since you know that you will receive an inheritance from the Lord as a reward. It is the Lord Christ you are serving.” (Colossians 3:23-24)

STUDENTS' SATISFACTION OF THE JOINT DEGREE PROGRAMS OFFERED BY CENTRAL PHILIPPINE UNIVERSITY (CPU) AND THAI NGUYEN UNIVERSITY OF ECONOMICS AND BUSINESS ADMINISTRATION (TUEBA) – VIETNAM

By April Ann B. De La Gente, Teresita E. Crucero, Rowena M. Libo-on, Diosdado Galanto and Agripino Gallos, Jr.

ABSTRACT

This descriptive-correlational study sought to determine the level of students' satisfaction of the joint degree programs offered by Central Philippine University (CPU) and Thai Nguyen University of Economics and Business Administration (TUEBA)-Vietnam in terms of collegiality, program schedule, relevance of curriculum content, instruction, facilities, and support services. Respondents were 129 students of Thai Nguyen University of Economics and Business Administration for the academic year 2015-2016, specifically those enrolled in Bachelor of Science in Business Administration, Master of Business Administration, Master of Public Administration, Doctor of Management in Business Management and Doctor of Management in Public Management. Mean, frequency, standard deviation, and percentage were used as descriptive statistics while z-test and ANOVA set at 0.05 alpha level for inferential statistics. A researcher-prepared questionnaire duly validated and tested for reliability was used to gather relevant and reliable data. Results showed that respondents were "satisfied" in terms of collegiality, program schedule, relevance of curriculum content, instruction, facilities and support services when taken as an entire group. No significant differences were noted in the level of satisfaction in terms of collegiality, program schedule, relevance of curriculum content, instruction, facilities, and support services when respondents were classified according to sex. Moreover, there was no significant difference among respondents in terms of instruction when they were classified according to civil status, age, degree program enrolled, and employment. However, significant differences were observed in terms of these categories when they were classified according to civil status, age, degree program enrolled, and average family monthly income. Data were processed and analyzed through Statistical Package for Social Sciences (SPSS) and results were presented in tables.

Keywords: *student satisfaction, degree programs, curriculum*

COLLEGE OF BUSINESS & ACCOUNTANCY OUTREACH PROJECT EVALUATION TO SELECTED BENEFICIARIES OF TYPHOON YOLANDA SURVIVORS AT BGY. SUA, SAN DIONISIO, ILOILO

By Carmen N. Hernandez, Lorna T. Grande, Levi O. de los Santos, Jr., Gilda C. Monsole, Stephen A. Yuson and Joan A. Militar

ABSTRACT

This study was conducted to evaluate the different projects conducted by the College of Business and Accountancy of Central Philippine University as part of its outreach activities in Brgy. Sua, San Dionisio, Iloilo. Specifically, this project evaluation aimed to: 1) determine if the beneficiaries are aware of the projects/ services provided by the College of Business and Accountancy of Central Philippine University in the last 5 years; 2) assess the benefits of the projects to the community for the last 5 years; and 3) identify the priority needs of the community after the outreach program intervention. Considering the objectives of the study, a qualitative method was used by conducting a Focused Group Discussion (FGD) with the selected beneficiaries of the projects. The collected data was analyzed using a thematic analysis. The findings included the following: a) the beneficiaries were aware of the services provided by Central Philippine University specifically the College of Business and Accountancy to include bangkabuhayan, rug making, food processing, swine raising, livelihood training and for the benefit of the community, mangrove planting was done. As to the benefits of the project this study came up with different themes and subthemes. Theme #1 is financial benefits with the following subthemes: means of livelihood. Additional income, and savings. Theme #2 is acquisition of new skills and knowledge, while the subthemes are new product designs, and skill in food processing, and theme #3 is improved values with the following subthemes: Increased self-confidence, productive use of time, and feeling of gratefulness. As to the priority needs after the outreach program intervention, it include the following: provision for a steady livelihood and additional financial assistance as its subtheme, and revival of skills training with additional skills training as its subtheme. The following conclusions are drawn: that there was a proper communication of the projects implemented by the College of Business and Accountancy to the beneficiaries of the different projects since they are aware of these projects, and the different projects implemented greatly benefited the beneficiaries both financially and non-financially.

Keywords: *Outreach project, beneficiaries, livelihood*

THE INTEGRATED OUTREACH PROGRAMS OF CENTRAL PHILIPPINE UNIVERSITY WITH THE GREG SECKER FOUNDATION VILLAGE IN LEMERY, ILOILO: AN IMPACT STUDY

By Joan Iven Abello, Maredil Ambos, Medalla Baliao, Raquel Espiritu, Merle Junsay, John Dale Paciente, Randy Lero, Nenita Mino, Liza Do-oma, and Denie Erwin Tan

ABSTRACT

This study was conducted to determine the impact of the outreach activities of the different colleges of Central Philippine University to the Greg Secker Foundation Village in Brgy. Capiñahan, Lemery, Iloilo. Ten participants, two of which were staff of the foundation and the rest were members of the community, particularly the mothers who were beneficiaries of all the outreach activities of the University were purposively chosen, joined in the focus-group discussion conducted by the researchers themselves. The study revealed that the participants had highly benefited from all the outreach activities of the different colleges of the University to their community, namely: seminar on packaging conducted by the Engineering Department; Saturday classes for school children in numeracy and literacy conducted by the College of Education; seminar on housekeeping conducted by the College of Hospitality Management; seminar on Social Preparation and Family Values for Families and Children for their Transition in the Village conducted by the Social Work Department; water tanks donation facilitated by the Office of the President; and the “Rice Hull for Alternative Cooking” donation by the College of Agriculture, Resources and Environmental Sciences. Of the activities conducted, the Saturday classes for school children in numeracy and literacy was emphasized by the participants to be highly beneficial especially to the children.

Keywords: *integrated outreach program, impact study, community*

IMPACT STUDY ON THE CPU INTEGRATED OUTREACH ACTIVITY FOR BRGY. TULATULA-AN, DINGLE, ILOILO

By Margen A. Java, Aries Roda D. Romallosa, Myrna T. Luceño, Kareen Jay D. Lozada and Jocelyn G. Gonzales

ABSTRACT

This study was conducted to evaluate the impact of the intervention and activities conducted by the different colleges of the university as part of their outreach activities in Brgy. Tulatula-an, Dingle, Iloilo. Considering the objectives of the study, an FGD was conducted with the 15 participants of the barangay. They are well-aware of the outreach activities conducted in their place, among these are: gift giving; seminars and trainings which include Values Education and Tour Guiding among others; food processing skills and field trip to CPU. These activities delivered in their community were able to provide economic benefits to them such as it helped defray family expenses and the gift giving activity in the school benefitted them socially; the tour guiding skills and livelihood project somehow benefited them economically but has not been sustained; the blood-typing activity made them aware of their blood type; and, the many activities delivered in the area gave CPU a good reputation to them, as their partner community. Their identified needs are as follows: the need for the conduct of Values Education Seminar and Seminar on Values Education on Management, Health and Safety, as well as a need for water testing; the need for good planting materials; and, the need to address the Violation Against Women and Children (VAWC) concerns. Likewise, their problems are: malnutrition and additional income for the family.

Keywords: *impact study, community, integrated outreach activity*

COMPLETED - INSTITUTIONALLY FUNDED RESEARCHES As of March 2024

1. **Tracer Study of Central Philippine University Graduates for SY 2016-2017 to SY 2020-2021**
- By Ana Mae Bantad-Cantel, Dimpna C. Castigador, Charissa June G. Deocampo, Jazel May D. Juntoria (Completed June 2023)
2. **Educational Leadership Amidst Political and Socio-Economic Challenges: A Case of an Internationally Trained Leader**
- By Anna May Yap-Zerrudo and Kay Arden Gallo (completed January 2024)
3. **College of Business & Accountancy Outreach Project Evaluation to Selected Beneficiaries of Typhoon Yolanda Survivors at Bgy. Sua, San Ddionisio, Iloilo**
- By Carmen N. Hernandez, Lorna T. Grande, Levi O. de los Santos, Jr., Gilda C. Monsole, Stephen A. Yuson and Joan A. Militar (Completed February 2024)

DRAFT REPORTS-SUBMISSION OF FINAL PAPER

1. **Effects of *Lantana camara* (Baho baho plant) Against Stored Grain Pest *Rhyzopertha cominica***
- By Dahlia H. Pescos, Bernie C. Cangrejo and Sharon Rose G. Dumam-ag
2. **Production of Eco-Enzyme Cleaning Agent from Calamansi (*Fortunella japonica*) Fruit Skins by Fermentation as a Household Cleaning Detergent Substitute**
- By Dahlia H. Pescos, Christsam Joy Jaspe, Felix A. Ojario and Zenaida H. Prado
3. **Extent of Partnership, Challenges, Success Factors and Satisfaction of Key Stakeholders of CPU**
- By Jazel May Juntoria, Dimpna Castigador and Levi Delos Santos, Jr.
4. **Design of Household Wastewater Phytoremediation System Utilizing Water Lettuce (*Pistia stratiotes*), and Water Hyacinth (*Pontederia crassipes*)**
-By Stella G. Fernandez, Leane Armada, Mel rose Figueroa, Jeremy Plagata, Annel Nicole Romero, John Danielle Sobretodo and Ormides B.
6. **Brackish Pond Water Remediation Using an Organic Fixed filter -Bed System**
- By Nicolas Guanzon, Jr., Bilan, Lovely A., Erfelua, April Rose S., Justado, Jerome, Sevilla, Ryffan V. and Ubalubao, Rjade
7. **CPU Web-Based Teacher's Evaluation System Using TextSentiment Analysis Algorithm**
-By Rea Balontong, Rommel Jun Payba, Maxwell Edward Dolar, Christopher Jon Gaw Put, Ein Dominic Gange and Carl Lester Pasilan
8. **Self-Assessed Level of Wellness, Self-Esteem and Job Satisfaction of Employees in a Private Higher Education Institution during the New Normal**
-By Merle L. Junsay, Ma. Cynthia A. Jagolino, Joan Iven J. Abello, Bernardo G. Cagasan, Annalee L. Cocjin, Praise E. Glory, Gelbert Jan S. Porque, Debbie Marsha G. Sian and Cherie Gil G. Sotto
9. **Design, Construction and Evaluation of a Pilot-Scale Plant Bed Wastewater Treatment System to Treat Wastewater from Central Philippine University (CPU)**
-By Dahlia Pescos, Mark Jewel Lastimoso, Glesyl Ann Pelias, Adhara Pumares and Jan Ivan Romero
10. **Prevalence of Helminth Parasites among Commonly Consumed fish from Major Markets in Iloilo City**
-By Ma. Corazon Porras, Lerma Pendon, Rodolph Lagarto, Arje Tabares, Cezar Nanit, Jr., Nicole Joie Matutina, Shanelle Bakabac, Adrelle Castroverde, Ted Rudi Aurelio, Shayne Marie Babiera, Laila Jean Nuñez, Charmaigne Rae Roco, and Edgardo Gerada
11. **The Occurrence of Antibiotic Resistant Coliforms in the Water of Iloilo River**
-By Anna Maria Salazar, Melyn Pendon, Mary LucilleAlfaras, Jessie Sajo, Angeliqum Dumlao, and Judy Anne Nichole Tinambunan
12. **Departing from Routines" Untold Stories of Solo Parents with Their Youngsters during the Modular Distance Learning**
- By Gleason B. Parcia
13. **Development of Nutraceutical Products from *Ipomea Batatas* Leaves, *Clitoria Ternatea* Flowers, *Citrus Microcarpa* Fruits**
- By Mylyn Poral, Vincent Anthony Militante, Analie Serafino, Ma. Jean Amistas, Darlene Joy J. Marañon and Anna Liza Jamias
14. **Community Engagement, Institutional Commitment and Impact of Central Philippine University's (CPU) Community Engagement and Service-Learning Center (CESLC)**
- By Ernesto S. Saquibal, Jr., Othoniel Legada, Felix Ojario, Orpha Vic Faraon, Ma. Lindy B. Saquibal and Nellie Ann Mesa

ONGOING - INSTITUTIONALLY FUNDED RESEARCHES As of March 2024

1. **Design, Development and Testing of Mechanical Potato Cleaner and Size Grader Prototypes**
Researchers: Aries Roda D. Romallosa, Dany C. Molina, and Bernie C. Cangrejo
2. **Development and Evaluation of Modules in Basic Filipino for Non-Filipino Speaking Students**
Researchers: Eden Gomez, Liza V. Do-oma, Nenita Mino, Ma. Alina Pescadera, Edgar A. Eriman, Merle L. Junsay, Nelson A. Pomado, Belinda Valaquio, Anna May Yap-Zerrudo, Annalee L. Conjin and Leilani Fatimah Ledesma
3. **Utilization and Evaluation of Lanzones (*Lansium parasiticum*) Into Wine**
Researchers: Armando M. Hisuan, Jr., Myrna T. Luceño, Shiman Giner and Denie Erwin Tan
4. **Insights and Experiences on the Online Delivery of the Early Years Learner Curriculum Model: A Parent's Perspective**
Researchers: Praise E. Glory and Pearl Joy S. Madrid
5. **Effectiveness of Schoology as the Learning Management Tool in CPU Elementary School Through the Lens of the Parents**
Researchers: Remedios Alog, Ada Zyree Mae Beup and Cherie Gil Sotto
6. **Strategies of Agri-Eco Tourism Sites and Their Implication to Local Economy in Tigbauan: An Exploratory Case Study**
Researchers: Armando Hisuan, Jr., Ismael Almajar, Jr. and Arlene Dalawis
7. **The Extent of Utilization of Games as Motivation in Online Teaching among Central Philippine University Junior High School Teachers**
Researchers: Oliver Fritz Bunda, Ann Margaret Paniagua, Rhodarie Villahermosa and Joy Lyn Visto
8. **Determination of Antibacterial Activity of Fractions from Spent Coffee (*Coffea canephora*) Grounds Against *Staphylococcus epidermidis* and *Escherichia***
Researchers: Joy G. Raso, Mizpah C. Villalobos, Leojen F. Torres, Ma. Trina A. Viente, Arlene A. Laquian, Renzo L. Dadi vas and Ann Cenita T. Evangelista
9. **The Extent of Students' Participation in Church Related Activities During the Pandemic**
Researchers: Lloyd Basco, Charlett Dianala, Kim Giloryao and Keith Dune Gallos
10. **Analyzing Compliance on Codification Requirements among Selected Local Government Units in the Province of Iloilo**
Researchers: Carmen Hernandez, Lenny Rose Mucho, Alfonso Catolin, Gynny Gumban, Renia De la Peña, Mark Anthony Arias, Ana Mae Cantel, Margee Rose Parreño
11. **Potential Antioxidant Dietary Fiber from Banana (*Musa spp.*) Floral Stem**
Researchers: Elmer Ermitaño, Mizpah Villalobos and Ruth Abeco
12. **An Assessment of Socio-economic Impact of Climate Change in the Jalaur River Basin**
Researcher: Christsam Joy S. Jaspe
13. **Readiness of Pre-service Mathematics and Science Teachers in Two Asian Countries in the New Normal: An Explanatory Mixed Methods Inquiry**
Researchers: Merle Junsay, Edgardo Gerada, Jessica Canaman, Rene Estomo, Maredil Ambos
14. **Simultaneous Electricity Generation and Wastewater Treatment using Continuous Upflow Membraneless Microbial Fuel Cell**
Researchers: Sheila Mae Pingul-Ong, Frederick Vince Assis, Nikki Faye Cambel, John Edradan, Rafael Ian Genoveza, Timothy Noel Mallorca and Earl Anthony Villanueva
15. **Assessing the Effectiveness of Evacuation Management Strategies in an Education Institution Using Agent-Based Modeling and Simulation**
Researcher: Donie Jardeleza
16. **Departing from Routines" Untold Stories of Solo Parents with Their Youngsters during the Modular Distance Learning**
Researcher: Gleason B. Parcia
17. **500 Peso Club: Lived Experiences of Staff Personnel with Meager Salary in a Private Institution**
Researchers: Ligaya V. Caniel, Myla C. Cañas, Shirley H. Dario and Krizy Mae C. Vargas
18. **Adsorbents from Agricultural and Aquatic Wastes on Improving the Chemical Characteristics of Waste Cooking Oil**
Researchers: Mizpah C. Villalobos, Mark Janscen E. Bautista, irah D. Bulquerin, Lovely Mae J. Devilla, Ma. Crizelle Francisco, Roan D. Francisco, Ruth Lea S. Iguales, Michael D. Janagap, Arlan Gil S. Sisnorio and Mary Celeste F. Vargas
19. **Awareness, Acceptability, and Usability of Generative Artificial Intelligence (AI) in the Academic Community**
Researchers: Ana Mae B. Cantel, Margen A. Java, Marjee Rose B. Parreño and Ma. Christina A. Quijano
20. **Personal Entrepreneurial Competencies of Women: Basis for a Community Intervention Program**
Researchers: Carmen N. Hernandez, Rodalyn E. Daylo, Lorna T. Grande, Lode Joy E. Bade, Marivic C. Santos and Jesica B. Chin

COMPLETED - EXTERNALLY FUNDED RESEARCHES As of June 2023 to March 2024

1. Mainstreaming the Clean cities Blue Ocean Program in Iloilo City
 - By Mary O' T. Penetrante, Aries Roda D. Romallosa
 - Funded by USAID – Clean cities blue Ocean (Completed June 2023)
2. Assessment and Re-engineering of BPLS in Manila City and Quezon City
 - By Mary O' T. Penetrante
 - Funded by USAID/UPPAF-RESPOND (Completed June 2023)

3. Determining the Economic Feasibility of the Adoption of POTs for Commercial Production of Organic Philippine Native Chickens Among the PRDP-Assisted Cooperatives in Selected Provinces in Central and Western Visayas
 - Funded by Department of Agriculture (DA)-Philippine Rural Development Project (PRDP)-SO
 - By Jaime C. Cabarles, Jr. (completed December 2023)

ONGOING COLLABORATIVE RESEARCHES WITH TRAVINH UNIVERSITY, VIETNAM & INDONESIA

1. Library Functions, Challenges and Utilization of Learning Resources: A Case of Two Asian Universities
 Researchers: Merle L. Junsay, Althea U. Denuuevo, Rhea Joy Fernandez and Rowena Libo-on
2. Behind the Shelves: Issues and Challenges of Cataloging Library Resources
 Researchers: Renia F. Dela Peña, Irving Domingo L. Rio and Ma. Cynthia T. Peleña
3. Impact of Library Space on Learning Satisfaction: A Comparative Study of University Library Design in Universities in Vietnam and the Philippines
 Researchers: Donie S. Jardeleza, Ma. Christina A. Quijano, Ma. Shiela C. Sapul and Ana Mae B. Cantel
4. Development of CPU Native Chicken Breed as a Response to the Needs of the Raisers and Requirements of the Market
 Researchers: Jaime C. Cabarles, Jr., Danna Marie Gabasa and John Capistangue
4. Readiness of Pre-service Mathematics and Science Teachers in Two Asian Countries in the New Normal: An Explanatory Mixed Methods Inquiry
 Researchers: Merle Junsay, Edgardo Gerada, Jessica Canaman, Rene Estomo, Maredil Ambos

ONGOING - EXTERNALLY FUNDED RESEARCHES

1. Verification and Standardization of Processing and Concentration of Garlic, Betel Nut, and Asiatic Bitter Yam against *Mycoplasma gallisepticum* and Internal Parasite of Philippine Native Chicken
 - By Jaime C. Cabarles, Jr.
 - Funded by DA-BAR Department of Agriculture - Bureau of Agricultural Research (CARES)
2. Industrial Waste Management and Control Through Service Learning
 UBCHEA – United Board for Christian Higher Education in Asia
3. Design, Development and Evaluation of a Bag-Valve-Mask-based Mechanical Ventilator
 DOST Department of Science and Technology Region VI
 By Jaime C. Cabarles, Jr.



LIST OF RESEARCH PROPOSALS RECEIVED FOR APPROVAL/IMPLEMENTATIONS

1. Socio-cultural, Economic, Community Involvement and Priority Needs of Anawin Community at Barangay Rumbag, Pototan, Iloilo: A Baseline Survey for the University Outreach Program and Future Project Implementation
 Researchers: Gilda G. Monsole, Stephen A. Yuson, Ian Jade Lozada, Lorna T. Grande, Christine Golilao, Donie Laurente and Pauline Pollentes
2. Central Spirit: Sustaining Reverence and Impact through the Years
 Researchers: Luis A. Abioda, Rowena M. Libo-on, Bibiana C. Espina and Rose Marie P. Prudente
3. Virtual Simulation: Utilization, Perceived Effectiveness and Clinical Competence of Student Nurses
 Researchers: Ma. Lourdes N. Sampiano, Rona L. Idemne and Alvin John H. Gustilo (for approval)
4. The Influence of the Integration of Central Philippine University Core Values on the Lives of Students
 Researchers: Mary Grace F. Labis, Eunice G. Alayon, Ella Kathrina A. Gutierrez, Harry S. Jerez and Margen A. Java (for approval)
5. Assessment of Effectiveness of Training of Internal Quality Auditors: Inputs to a Continual Improvement Program
 Researchers: Novi B. Pascua and Dimpna C. Castigador (for evaluation)
6. Phytochemical Composition, Antioxidant and Antibacterial Activities of the Ethanolic Extracts of Selected Philippine Medicinal Plants
 Part 1. *Philippine copper leaf*: Bedona, Charish; Braña, Benjamin Jash Calixtro; Ezrah Yazmene Melgarejo; Ydalyza, Niña; Paredes, Aaron Jan; and

- Ringor, Paul Robinson
- Part 2. Philippine sourrop:** Cabelin, Mercylyn Emerald; Davila, Briar Rose; Duran, Honey Jane; Lucero, Ma. Cecilia Isabelle; Pillo, Johann Henessy; Recaido, Guia Luz; Tababa, Trisha Kaye
- Part 3. Mexican mint:** Moralista, Gloricar; Villaruz, Prax Johann; Romero, Regine; Montilijao, Shiena Marie; Pastrana, Joela Anne; Quimba, Rence; and Puga, Serisha Eldene
- Part 4. Gale of the wind:** Napalan, Reign Mariel; Obañana, Rachele; Pablico, Jekka; Pasaporte, Joanna Marie; Pineda, Ed; and Parreño, Gestrelle Ann
Adviser: Rolando V. Pakingking Jr., PhD, RMT, DPAM (for approval)
7. Diversity and Antibiotic Resistance of *Aeromonas* Species in Drinking Well-water in Selected Barangays of Iloilo City, Philippines
 Researchers: Lois S. Recalcar, Psyche Mae D. Labanza, Therese Angela C. Leñar, Kylene Marie Z. Luzano, William N. Matandac Jr., Miles Roland D. Pentojo, Simon John A. Robles (for approval)
Adviser: Rolando Pakingking Jr., PhD, RMT, DPAM
 8. Antibiotic Susceptibility Profile of Bacteria Isolated from the Sediment of Selected Sites in Iloilo River, Philippines
 Researchers: Casono, Ainna N.; Doren, Jewl Andhry S.; Obero, Cristina F.; Pedutem, April Anne S.; Tejares, Tracydelle R.; Solas, Sean Faith M.
Adviser: Rolando Pakingking Jr., PhD, RMT, DPAM (for approval)

Director's Desk

By Dr. Evelyn Grace D. Ayson



R & D (Research and Development) is an essential driver of economic growth as it spurs innovation, invention, and progress. Through research and experimentation, research teams can identify new ideas, develop new technologies, and make innovations to come up with viable and improved products and services. R&D also plays a role in improving existing technologies, making them more efficient, cost-effective, and accessible to users.

Today, R & D is no longer confined to the academic setting but is being pursued by different sectors. For example, the business sector engages in R&D as companies jockey for position in their respective markets; local government units and government agencies have their own R&D programs aimed at a more progressive governance; among others.

Here at Central Philippine University, the University Research Center has noted an upswing in the number of faculty who are involved in research in the last 5 years. Likewise, there is an apparent move towards the pursuit of collaborative research not only within but also among the different Departments. There is also a notable increase in the number of bilateral collaborative research projects with some universities in Viet Nam and Indonesia.

Having a pool of experienced faculty-researchers, a strong network of research collaborators and active collaborative research projects are at the heart of a productive and progressive R&D. We envision a research ecosystem at CPU where there is a stronger partnership with other academic institutions and non-academic R&D organizations in the national and international arena, as well as greater involvement in the different national R&D programs.