



KMC-PCD publishes the 2nd Biannual Issue of the CvSU Research Journal

By Lester P. Adriano

The Knowledge Management Center (KMC), together with the Publication and Communication Division (PCD) of the Cavite State University (CvSU), officially published the 2nd Biannual Issue (July-December 2022) of the CvSU Research Journal (CRJ) last January 6 through the CRJ's official Facebook page.

Five articles were featured in the second issue. These include two articles in the field of education titled "An Assessment of Remote Teaching Readiness, Tools, and Needs of English Teachers at San Francisco High School" by Mr. Bernard M. Paderes and Ms. Floriza T. Torreliza, and "A Narrative Inquiry on the (continue on page 2)

More About...

ADELMA F. RIVERA

Adelma F. Rivera, popularly known as Tita Adel to many employees under Research and Extension, has served in the university for thirty-five years. She is a graduate of Bachelor of Science in Agricultural Engineering. She is currently employed as the Administrative Officer II of the Office of the Vice President for Research and Extension, in which she monitors completed and ongoing projects of the different units under the office.



To get more personal with Tita Adel, she was born on April 7, 1958, at Calumpang Cerca, Indang Cavite, and is a beautiful mother of two children: Arvin and Camille Rivera.

Tita Adel often tells newly hired employees how she started as a staff in research and has served all vice presidents of research and extension when it was still called RECETS. She also served as project support staff for various internal and externally funded research projects of the university. She will be retiring on April 5, 2023.

INSIDE

| | |
|--|----|
| <i>CvSU receives recognition from DepEd Dasmariñas City</i> | 2 |
| <i>CvSU- Extension Services joins ATI's 36th Anniversary</i> | 3 |
| <i>CvSU-Carmona relaunches the Munting Handog: Gift-Giving Project</i> | 4 |
| <i>CvSU-Imus holds IP Seminar Workshop</i> | 5 |
| <i>Newton Fund LMDP Project, CVMBS host Veterinary Molecular Diagnostics Workshop</i> | 5 |
| <i>STAARRDEC holds 93rd RRDCC meeting</i> | 6 |
| <i>CvSU, Newton Fund LMDP Project co-host 2022 Philippine Poultry Diseases Summit</i> | 7 |
| <i>STAARRDEC welcomes DLSU Dasmariñas, DLSU-Laguna campuses as new members</i> | 8 |
| <i>CvSU-ATBI project members, incubatees participate in the 2nd National ATBI Conference, 1st Incubatee Summit</i> | 9 |
| <i>KMC implements Quality Workplace Standards</i> | 10 |
| <i>CAS-DBS conducts BioCamp 1.0</i> | 10 |
| <i>CvSU-ATBI hosts the GGGI benchmarking activity</i> | 11 |
| <i>CvSU thanks Eugenio, Ilagan, Matel for their years of service</i> | 12 |
| <i>Agrikultura at Turismo: Partner sa Pagbabago features Magsasaka Siyentista Mr. Edilberto Silan</i> | 13 |
| <i>Digma, best paper awardee at 2ND SEASEC 2022</i> | 14 |

VISION

The premier university in historic Cavite recognized for excellence in the development of globally competitive and morally upright individuals.

MISSION

Cavite State University shall provide excellent, equitable, and relevant educational opportunities in the arts, sciences and technology through quality instruction and responsive research and development activities.

It shall produce professional, skilled and morally upright individuals for global competitiveness.

QUALITY POLICY

We Commit to the highest standards of education, Value our stakeholders, Strive for continual improvement of our products and services, and Uphold the University's tenets of Truth, Excellence and Service to produce globally competitive and morally upright individuals.

CvSU receives recognition from DepEd Dasmariñas City

By Almira G. Magcawas



Plaque of Recognition awarded to CvSU

On behalf of Dr. Hernando D. Robles, university president, Dr. Almira G. Magcawas, extension services director, received an award during the

2022 Division Education Stakeholders Summit held on January 7 at Dasmariñas Elementary School, City of Dasmariñas, Cavite. Said recognition was given to the Cavite State University as one of the partner organizations of the Department of Education, Dasmariñas City, Cavite at the 2022 Gawad Bayanihan. The ongoing partnership between CvSU and DepEd Dasmariñas City is in relation to the implementation of the extension project titled "Enhancing the Gulayan sa Paaralan Program in Dasmariñas City." Through the Extension Services and the

College of Agriculture, Food, Environment, and Natural Resources (CAFENR), the university has been providing assistance to improve 44 school gardens in the City.



Dr. Almira Magcawas while receiving the award

KMC-PCD publishes ... (from page 1)

Motivational Drives and Support System of Faculty of the University of Makati in the Time of COVID-19 Pandemic" by Mr. Amante Luis P. Olivar, Mr. Jonathan Bonaobra, Ms. Jennifer Garcia, and Mr. Joseph Alvin T. Reyes. An article in the field of tourism management titled "Effects of COVID-19 Pandemic on the Travel Behavior of Filipino Tourists in Luzon, Philippines" by Ms. Joan L. Fortuna, and an article in the field of

languages titled "On the Brink of Shrimp Diversity and its Correlation to Extinction: Revisiting the Sociolinguistic Water Properties in Selected Sites of Condition of the Philippine Creole Cañas River in Cavite, Philippines" by Mr. Spanish in Cavite" by Mr. Marque Earl B. Mr. Dickson N. Dimero, Ms. Michelle T. Deferia, Mr. Ramir M. Pareño, Mr. Jr. Bono, Ms. Sherine M. Cruzate, and Mr. Eduardo M. Salazar, Ms. Kimberly J. Rainiel R. Rupido.

These articles can all be accessed through the links provided on the official Facebook page of the CvSU Research Journal. With the initiatives of the PCD team, CRJ now has its new cover page.



CALL FOR PAPERS

CAVITE STATE UNIVERSITY RESEARCH JOURNAL
The JOURNAL is now accepting manuscripts for publication.

Submission may be through the CvSU Research Journal website <https://ovpre.com/crj/> or send it to researchjournal@cvsu.edu.ph

For other inquiries, email us at researchjournal@cvsu.edu.ph or call +63 970-328-4304



CAVITE STATE UNIVERSITY RESEARCH JOURNAL

July-December 2022

ISSN:2244-064X

(046) 862-1654
researchjournal@cvsu.edu.ph
<https://ovpre.com/crj/>
Knowledge Management Center
Research Center Building
Cavite State University
Don Severino dela Alas Campus



CAVITE STATE UNIVERSITY RESEARCH JOURNAL

July-December 2022 ISSN:2244-064X

| Table of Contents | |
|---|----|
| An Assessment of Remote Teaching Readiness, Tools and Needs of English Teachers at San Francisco High School | 1 |
| B. M. Paderes and F. T. Torralba | |
| Freshwater Shrimp Diversity and its Correlation to Water Properties in Selected Sites of Cañas River in Cavite, Philippines | 17 |
| D. N. Dimero, M. T. Bond, S. M. Cruzate and R. R. Rupido | |
| A Narrative Inquiry on Motivational Drives and Support System of Faculty of the University of Makati in the Time of COVID-19 Pandemic | 28 |
| A. L. P. Olivar, J. Bonaobra, J. Garcia and J. A. Treys | |
| Effects of COVID-19 Pandemic on the Travel Behavior of Filipino Tourists in Luzon, Philippines | 36 |
| J. L. Fortuna | |
| On the Brink of Extinction: Revisiting the Sociolinguistic Condition of the Philippine Creole Spanish in Cavite City | 51 |
| M. E. B. Deferia, R. M. Pareño, E. M. Salazar, K. J. Soriano, L. A. A. Virtuso and A. C. Francisco | |

The cover page and the contents of the 2nd Biannual Issue of the Cavite State University

CvSU- Extension Services joins ATI's 36th Anniversary

By Hana D. Mahilum

Cavite State University-Extension Services (CvSU-ES) attended the 36th Founding Anniversary celebration of the Department of Agriculture-Agriculture Training Institute (DA-ATI) CALABARZON, with the theme, "ATI LEADS: Innovate, Transform, Empower Embracing Extension Modernization for a Progressive and Sustainable Agriculture and Fisheries" last January 31 at Barangay Lapidario, Trece Martires City, Cavite. The DA-ATI CALABARZON has been one of the active partners of the university.

The activity commenced with opening remarks from Dr. Rolando V. Maningas, British Council Philippine Education Manager, who shared a glimpse of the journey of the center as it reached its 36th year. Afterwards, a message was delivered by Ms. Maria Teresa Bergado, who represented Hon. Mayor Gemma B. Lubigan, Trece Martires City Mayor. The event was also held with Ms. Ana Pamela Nova, Cavite Assistant Provincial Agriculturist, and Mr. Joselito Felix H. Noceda, Cavite Agricultural Program Coordinating Officer. Messages from Ms. Remelyn R. Recoter, MNSA, CESO III, DA-ATI Director IV Officer-in-Charge, and Hon. Senator Cynthia A. Villar were also delivered.

One of the highlights of the said event was the seminar on the technologies of Urban Agriculture which was attended by the CvSU Extension Services staff and different FITS centers such as FITS OPA, FITS General Trias, FITS Tanza, FITS Naic, FITS Trece, and other partners.

This three-session seminar was titled "Paggawa ng mga Organikong Pataba" led by Mr. Mervin Vitangcol, DA-

ATI IV-A Training Specialist I; "Paggawa ng mga Natural na Pestisidyo" headed by Ms. Janine Cailo, DA-ATI IV-A Information Officer II, and "Paghahalaman Gamit ang Tubig" by Mr. John M. Mendoza, DA-ATI IV-A Program Management Officer.

KADIWA retail selling was done as part of the celebration at the aforementioned event. Buklod-Unlad Trias Dairy Raisers Multi-purpose Cooperative, Daine 1 and 2 Association Inc., Multi-purpose Cooperative, Pacheco Agrarian Reform Cooperative, Yakap Halik Multipurpose Cooperative, General



ES staff with Dr. Maningas

attended the event.



Products and exhibitors during KADIWA retail selling



ES staff joined the ATI's seminar on making organic fertilizer

CvSU-Carmona relaunched the Munting Handog: Gift-Giving Project

By Janine B. Bacosmo

Cavite State University-Extension Services (CvSU-ES) attended the 36th Founding Anniversary celebration of the Department of Agriculture-Agriculture Training Institute (DA-ATI) CALABARZON, with the theme, "ATI LEADS: Innovate, Transform, Empower Embracing Extension Modernization for a Progressive and Sustainable Agriculture and Fisheries" last January 31 at Barangay Lapidario, Trece Martires City, Cavite. The DA-ATI CALABARZON has been one of the active partners of the university.

The activity commenced with opening remarks from Dr. Rolando V. Maningas, British Council Philippine Education Manager, who shared a glimpse of the journey of the center as it reached its 36th year. Afterwards, a message was delivered by Ms. Maria Teresa Bergado, who represented Hon. Mayor Gemma B. Lubigan, Trece Martires City Mayor. The event was also held with Ms. Ana Pamela Nova, Cavite



Dr. Cristina M. Signo, campus administrator, together with Mr. Ryan Villeza, LGU representative of Carmona; Ms. Janine B. Bacosmo, Prof. Joe Marlou A. Opella, and Ms. Mejica, CSG President, while distributing the gift packs and food to the beneficiaries

Assistant Provincial Agriculturist, and Mr. Dairy Raisers Multi-purpose Cooperative, Joselito Felix H. Noceda, Cavite Daine 1 and 2 Association Inc., and DA-Agricultural Program Coordinating ATI CALABARZON's extension partners Officer. Messages from Ms. Remelyn R. Recoter, MNSA, CESO III, DA-ATI Director IV Officer-in-Charge, and Hon. Senator Cynthia A. Villar were also delivered.

One of the highlights of the said event was the seminar on the technologies of Urban Agriculture which was attended by the CvSU Extension Services staff and different FITS centers such as FITS OPA, FITS General Trias, FITS Tanza, FITS Naic, FITS Trece, and other partners.

This three-session seminar was titled "Paggawa ng mga Organikong Pataba" led by Mr. Mervin Vitangcol, DA-ATI IV-A Training Specialist I; "Paggawa ng mga Natural na Pestisidyo" headed by Ms. Janine Cailo, DA-ATI IV-A Information Officer II, and "Paghahalaman Gamit ang Tubig" by Mr. John M. Mendoza, DA-ATI IV-A Program Management Officer.

KADIWA retail selling was done as part of the celebration at the aforementioned event. Buklod-Unlad Multi-purpose Cooperative, Pacheco Agrarian Reform Cooperative, Yakap at Halik Multi-purpose Cooperative, General Trias



Distribution of food and gift packs



Prof. Ron Erik C. Frontuna (top) and Prof. Joan L. Fortuna (bottom) while delivering their messages



Ms. Janine B. Bacosmo, campus extension services coordinator, while delivering her closing message

CvSU-Imus holds IP Seminar Workshop

By Cromwell R. Cabalu



Dr. Marlon A. Mojica, campus administrator, Dr. Teddy F. Tepora, ITSO manager, and the organizers and participants of IP Recipe 2023

Cavite State University-Imus Endeavour” last January 12 at the search, and patent drafting. (CvSU-Imus) Campus held an CvSU-Imus Conference Room. The IP The event was organized by intellectual property seminar workshop seminar workshop aimed to provide Mr. Cromwell R. Cabalu, campus titled, “IP RECIPE 2023” with the theme, assistance to the faculty with patenting research coordinator, Ms. Elvira P. “Recognizing Excellent, Creative and applications through IP orientation and Pakingan, campus extension Innovative Ideas through Patenting training on patent search, prior art coordinator, and Dr. (continue on page 6)

Newton Fund LMDP Project, CVMBS host Veterinary Molecular Diagnostics Workshop

By Yves Roy M. Tibayan



Dr. Ronnie Domingo while discussing the results of the LAMP assay after running in the LMDP device

The Newton Fund “Low-cost Portable Molecular Diagnostic Platform for Rapid Detection of Select Poultry Pathogens (LMDP) in Bicol, CALABARZON, and MIMAROPA Regions of the Philippines” project, together with the College of Veterinary

Medicine and Biomedical Sciences (CVMBS) hosted a four-part LMDP Veterinary Molecular Diagnostics Workshop held at the Veterinary CVMBS and project leader. She Molecular Diagnostic Laboratory, CVMBS Veterinary Teaching Hospital, last November 16, 17, 23, and 25.

In partnership with the University of the Philippines Los Baños (UPLB) and the University of Eastern Philippines (UEP), the workshop was conducted to

The activity started with the opening remarks delivered by Dr. Ma. Cynthia Rundina-Dela Cruz, dean of Workshop held at the Veterinary CVMBS and project leader. She Molecular Diagnostic Laboratory, highlighted the importance of rapid detection of pathogens, particularly in poultry, as one of the (continue on page 7)



Dr. Ma. Cynthia Rundina-Dela Cruz while demonstrating the sample processing and DNA/RNA extraction

STAARRDEC holds 93rd RRDCC meeting

By Cyjane U. Alcazar



Dr. Rolando V. Maningas led the 93rd RRDCC Meeting (left) and Dr. Almira G. Magcawas while presenting the Consortium Annual Report (right)

Hosted by the Department of Development and Support Center Agriculture-Agricultural Training Institute (BPI-LBNCRDPSC), Department of (DA-ATI), the Southern Tagalog Science and Technology IV-A (DOST Agriculture, Aquatic and Resources IV-A), Romblon State University (RSU), Research, Development and Extension Rizal Technological University (RTU), Consortium (STAARRDEC) held its 93rd Department of Agriculture – Regional Field Office IV-A (DA-RFO IV-A), Coordinating Council (RRDCC) last November 16 at DA-ATI Regional Training Center (RTC) IV-A, Trece Martires City, Cavite.

Dr. Rolando V. Maningas, center (LSPU), Ecosystems Research and director of DA-ATI IV-A, presided the meeting, which was attended by various Luzon State University (SLSU), heads and representatives from different University of the Philippines Los Baños member institutions of the consortium, (UPLB), University of Rizal System namely: Bureau of Plant Industry-Los (URS), Bureau of Animal Industry (BAI), Baños National Crop Research Department of Agriculture – Bureau of

Agricultural Research (DA-BAR), Bureau of Fisheries and Aquatic Resources IVA (BFAR IV-A), Philippine Council for Agriculture, Aquatic and Natural Resources Research and Development (PCAARRD), and Technological University of the Philippines Taguig (TUPT).

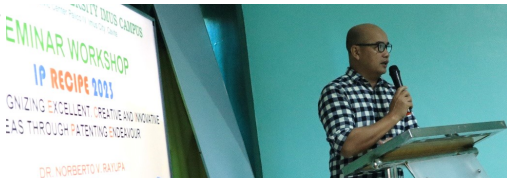
Highlights of the meeting included the approval of the applications of the De La Salle University – Laguna (DLSU-Laguna) and the De La Salle University – Dasmariñas (DLSU-Dasmariñas) campuses as new members, the approval of the Work and Financial Plan (WFP) for CY 2023-2025, and the strategic plan of the consortium. Updates on achievements and forthcoming events and activities were also presented, including the celebration of STAARRDEC's 35th Founding Anniversary and the approval of Year-End Assessment cum Planning.

With the approval of these activities, STAARRDEC and its member institutions will face a great challenge in achieving their plans and activities for the next few years.

CvSU-Imus holds ... (from page 5)

Alfe M. Solina, chairperson of the associate professor of the College of Department of Management, under the Engineering and Information Technology supervision of Dr. Marlon A. Mojica, (CEIT), CvSU-Indang, presented the topics on Patent Search and Prior Art campus administrator. The activity was Search. Faculty from the Department of Management, Department of Biological and Physical Sciences, Department of

Dr. Tepora discussed the Entrepreneurship, and Department of Introduction to Intellectual Property as Computer Studies attended the event. well as IP Ignite 2023, an Intellectual At the end of the workshop, the Property Management Orientation faculty presented their patent search Seminar, and the Patent Search Lecture reports, which served as the foundation and Workshop campus caravan. for any review of the international Meanwhile, Prof. Sheryl D. Fenol, application.



Mr. Cromwell R. Cabalu served as moderator during the IP seminar workshop



Dr. Teddy Tepora and Prof. Sheryl Fenol received the certificates of appreciation from Dr. Marlon Mojica, campus administrator

CvSU, Newton Fund LMDP Project co-host 2022 Philippine Poultry Diseases Summit

By Yves Roy M. Tibayan

With full support of the Cavite State University and the Department of Agriculture (DA), together with the University of the Philippines Los Baños (UPLB) and the University of Eastern Philippines (UEP), the Newton Fund “Low-cost Portable Molecular Diagnostic Platform for Rapid Detection of Select Poultry Pathogens (LMDP) in Bicol, CALABARZON, and MIMAROPA Regions of the Philippines” project once again hosted a momentous national event for the Philippine poultry industry titled “2022 Philippine Poultry Diseases Summit” last November 24 at The Bayleaf Cavite, General Trias City.

At the onset of the summit, welcome messages were delivered by

Dr. Claro Mingala, DA-Biotechnology program office director, and Mr. Danie Son Gonzalvo, British Council Philippine Education Manager. The partnership research outputs that (continue on page 8)



From left-right: Dr. Dennis Umali (project leader, UPLB), Dr. Ronnie Domingo (co-project leader, DA), Dr. Ma. Agnes Nuestro (CvSU VPAA), Dr. Ma. Cynthia Rundina-Dela Cruz (project leader, CvSU), and Dr. Gerry Camer (project leader, UEP) during a courtesy visit at CvSU Main Campus

Newton Fund LMDP ... (from page 5)

significant staple food sources of the Filipinos. Meanwhile, Dr. Dennis Umali, professor from UPLB, introduced the members of the UK-Philippines LMDP Research Consortium, and thereafter gave an overview of the workshop. Dr. Mark Lawrence Atienza, UPLB University research associate, served as speaker and gave a lecture on Introduction to Veterinary Molecular Diagnostics.

For the laboratory workshop proper, Mr. Yves Roy Tibayan (CvSU), Ms. Analiza Peret (CvSU), Ms. Leni Anjela Leynes (UPLB), Ms. Caressa Poliquit (UPLB), Dr. Christian Planta (UEP), and Dr. Dave Bryan Padaon (UEP) served as trainers and facilitators. The participants were able to do hands-on activities on sample processing, DNA and RNA extraction, conventional polymerase chain reaction (PCR) tests, gel electrophoresis and documentation, loop-mediated isothermal amplification (LAMP) assays,

and analysis of results. Moreover, Dr. Gerry Camer, UEP University Professor, delivered his concluding remarks. A total of 38 veterinarians, laboratory personnel, and animal health specialists completed the workshop. Fourteen of them were from Luzon farms, 13 were from the Regional Animal Disease and Diagnostic Laboratories, and 11 were from Visayas and Mindanao farms.

The LMPD project is part of a program titled “Low-cost Portable Molecular Diagnostic Platform for Rapid Detection of Poultry Infectious Pathogens.” It is an international research collaboration with several universities from the United Kingdom (viz., Brunel University London, Lancaster University, the University of Surrey, and the Pirbright Institute) and the Philippines (viz., Cavite State University, the University of the Philippines Los Baños, and the University of Eastern Philippines).

The project has been duly supported by the Newton Fund, UK Research and Innovation, and the Department of Agriculture–Biotechnology Program Office.



Participants from the Luzon farms (right) and from the Visayas and Mindanao farms (left) together with the members of the LMDP team

STAARRDEC welcomes DLSU-Dasmariñas, DLSU-Laguna campuses as new members

By Yves Roy M. Tibayan

With the approval of the Regional Research and Development Coordinating Council (RRDCC), the De La Salle University – Dasmariñas (DLSU-Dasmariñas) and the De La Salle University – Laguna (DLSU-Laguna) and evaluation, the campuses became the newest members of the Southern Tagalog, Aquatic and Resources Development and Extension Consortium (STAARRDEC). DLSU-Laguna and the consortium was presented and



The STAARRDEC Secretariat together with the Biological Control Research Unit team



The STAARRDEC Secretariat during the conduct of field visit and evaluation at DLSU-Laguna Campus (left) and DLSU-Dasmariñas City Campus (right)

approved during the 93rd RRDCC meeting held on November 16, 2022 at the Department of Agriculture-Agricultural Training Institute Regional Training Center (DA-ATI RTC) IV-A, Trece Martires City, Cavite.

With the commitment of these two new member institutions, STAARRDEC is looking forward to working with them in future endeavors by carrying out the goals and objectives of the consortium.

CvSU, Newton Fund ... (from page 7)

are of great significance for the two countries, particularly in the attainment of the United Nations' Sustainable Development Goals (SDGs). Moreover, papers discussing molecular profiling of economically important diseases of poultry in the Philippines and emerging technologies in molecular diagnostics in poultry were presented by various speakers coming from the Philippines, Japan, and the United Kingdom. Meanwhile, as part of the goals of the summit, an Avian Influenza Forum was also held. Representatives from the Bureau of Animal Industry (BAI), United Broiler Raisers Association (UBRA), Philippine Egg Board (PEB), and Provincial, City, and Municipal Veterinarians League of the Philippines (PCMVL) presented the current status

of the avian influenza outbreak in the Philippines, its impact on various poultry sectors in the country, as well as the challenges and successes in its prevention and control at the LGU level. Lastly, the locally-developed and locally-manufactured LMDP device was showcased, together with the several diagnostic assays that were developed based on the results of the molecular epidemiological investigations conducted by the LMDP Research Consortium.



From left-right: Dr. Dennis Umali (project leader, UPLB), Dr. Ronnie Domingo (co-project leader, DA), Dr. Florinia Merca (professor emeritus, UPLB/technical panel, DA), Dr. Gerry Camer (project leader, UEP), Dr. Ma. Cynthia Rundina-Dela Cruz (project leader, CvSU), and Dr. Claro N. Mingala (director, DA-Biotechnology Program Office) during the 2022 Poultry Diseases Summit

The summit was attended by over a hundred participants coming from more than 50 organizations from Luzon, Visayas, and Mindanao, representing at least 70 percent of the total volume of the commercial broiler industry in the Philippines. Delegates were from the National and various Regional Animal Disease Diagnostic Laboratories, representatives from commercial poultry farms, and private diagnostic laboratories.

CvSU-ATBI project members, incubatees participate in the 2nd National ATBI Conference, 1st Incubatee Summit

By Michelle M. Razo

Cavite State University-Agri-Aqua Technology Business Incubation (CvSU-ATBI), together with their incubatees, attended the 2nd National Agri-Aqua Technology Business Incubation Conference and the 1st Incubatee Summit with the theme, "Celebrating Agri-Aqua TBIs: Innovations and Networking Towards High Impact" held at the Newtown Plaza Hotel, Baguio City from November 23-25, 2022.

This event was organized by Benguet State University (BSU)-Agribased Technology Business Incubator/Innovation Center (ATBI/IC) and Philippine Council for Agriculture, Aquatic, and Natural Resources Research and Development (PCAARRD) Technology Transfer and Promotion Division (TTPD). It was designed to enhance the ecosystem for Agri-Aqua Technology Business Incubation (ATBI) and offered a venue for ATBI stakeholders to exchange best practices. Additionally, it was held to increase the connection between the 22 ATBIs throughout the nation, showcase the innovations and products of the incubatees, and foster cooperation and



DOST-PCAARRD Technology Transfer and Promotion Division members, the ATBI project members, incubatees, and agency partners of the 22 State Universities and Colleges with ATBI

networking between the incubatees and corporate and government organizations as they build new businesses.

Mr. Guillermo P. Desenganio, CvSU-ATBI project staff, presented the CvSU ATBI's challenges and best practices for mentoring the incubatees. The members of ATBIs were also appreciative of learning from the experiences of the University of Phayao and Agri-Aqua Technology Business Incubation shared by Dr. Santiwat Pithakpol, Director of Innovation and Technology Transfer, University of Phayao, Thailand, and the Asian Institute of Technology (AIT) and Agri-Aqua Technology Business Incubation shared by Prof. Nophea Sasaki of Natural Resources Management, Department of



Mr. Guillermo P. Desenganio, CvSU ATBI project staff, presented the CvSU ATBI's mentoring challenges and best practices

Development and Sustainability, School of Environment Resources and Development, Asian Institute of Technology, Thailand. Moreover, Dr. Ruth Diego of Benguet State University ATBI, Dr. Efren L. Linan of Capiz State University ATBI, Ms. Milyn C. Leghid of Coastline 5023-Fisheries Technology Business Incubator in the University of the Philippines in the Visayas, Dr. Pablo J. Rafael Jr. of Central Luzon State University Agriculture and Food Technology Business Incubator, and Dr. Alan B. Loreto of Visayas State University ATBI, project leaders, also highlighted the challenges and best management practices associated with implementing the ATBI.

Incubatees promoted their products by participating in this exhibit. As they networked with other incubatees and partner organizations, they gained valuable information to improve their products and grow their market share.



From left-right: Ms. Marielle Romero, CvSU ATBI SRA, Ms. Vyorrinna Pradanos, Incubatee, Ms. Michelle Razo, CvSU ATBI PDO III, Ms. Princess Feliciano and Mr. Guillermo Desenganio, CvSU ATBI Project Staff, Ms. Daisy Flores, Portia Paula Verano, and Ms. Verna Liza Razo, incubatees

KMC implements Quality Workplace Standards

By Jassel Rochmel A. Parreño



The KMC personnel and the 5S auditors of CvSU

Sort, Systemize, Shine, Standard-ize, and Sustain (5S) Audit was conducted at the Knowledge Management Center (KMC) and ITSO offices last January 17. It was facilitated by Dr. Agnes C. Francisco, KMC director, Dr. Teddy F. Tepora, Innovation Technology Support Office (ITSO) manager and Intellectual Property Management Division (IPMD) head, and the KMC personnel.

In order to ensure efficiency and safety within the organization, KMC adapted the system in a Kaizen-style with the development of the 5S method and application of the strategy.

Mr. Ferdie S. Andulan, faculty of the College of Education (CEd) and Ms. Perlita A. Crisostomo, houseparent III of the Office of the Student Affairs and Services (OSAS), served as 5S auditors who checked the frontline services, workstations, bulletin boards, conference room, visitor's areas, storage rooms, pantries, restrooms, and employees of the offices.

After determining the compliance to the quality workplace standards, the KMC maintained the application of the method and identified opportunities for improvement. Nevertheless, the 5S initiative was successful for the KMC unit.



5S audit on KMC (left) and ITSO (right)



5S auditors' feedback after checking the compliance to the quality workplace standards

CAS-DBS conducts BioCamp 1.0

By Lloyd O. Balinado

The Research and Extension Unit of the College of Arts and Sciences-Department of Biological Sciences (CAS-DBS) hosted BioCamp 1.0 with the theme "Rebuilding the Bridge Between Students and Quality Research: A Post-Pandemic Research Training-Workshop in the Biological Sciences," on January 10-12. The three-day event aimed to capacitate interested BS and MS Biology thesis students and faculty with hands-on skills on various biological research activities through the assistance of the invited experts/

speakers. Likewise, this addressed the problem of lack of laboratory and fieldwork skills among students due to the shift to online learning during the COVID-19 pandemic. During the opening program, Prof. Ma. Veronica P. Peñaflorida, DBS chair, gave her welcome remarks. It was followed by inspirational messages from Dr. Bettina Joyce P. Ilagan, CAS dean; Dr. Melbourne R. Talactac, VP for Research and Extension, and Dr. Lloyd O. Balinado, DBS and CAS research coordinator, who also provided an

overview of the three-day training-workshop.

The remaining days were allotted for eight research topics distributed in four parallel sessions. These topics include the following: (1) Field Conduct of Interviews and Focus Group Discussion by Dr. Almira G. Magcawas; (2) Collection and Physicochemical Analyses of Water Samples by Prof. Ma. Veronica P. Peñaflorida and Prof. Dickson N. Dimero; (3) Field Sampling by (continue on page 11)

CvSU-ATBI hosts the GGGI benchmarking activity

By Michelle M. Razo

Cavite State University-Agri-Aqua Aqua Technology Business Incubator importance of the maturity of Technology Business Incubation (CvSU- (ATBI) to explore the possibility for future technologies that incubatees will be ATBI) team headed by Dr. Almira G. collaboration. They also intended to learn utilizing to develop their products, as well Magcawas welcomed the Global Green about the challenges and best as the relevance of a customized Growth Institute (GGGI) representatives, management practices experienced by curriculum for each incubatee's business namely: Ms. Iris Latay, Mr. Loriel Yala, the CvSU ATBI throughout the project's growth. During the discussion, the and Mr. Richard Calawagan who were implementation since 2017 to further im- significance of mentoring sessions and led by Mr. Manolo Luis Herrera, GGGI prove the operations manual they are periodic evaluation and monitoring of the consultant, on November 3, 2022, at the currently developing. incubatees' businesses and product Innovation Technology Support Office CvSU-ATBI highlighted the development were also emphasized. (ITSO) conference hall.

The Provincial Agricultural Center (PAC) will establish a multi-use, multi-tenant, multi-commodity agricultural value chain incubator at the Provincial Demonstration Farm in Brgy. Merit, Victoria, Oriental Mindoro. In light of this, the GGGI team conducted their benchmarking activity at the CvSU Agri-



CvSU-ATBI team together with Global Green Growth Institute (GGGI) representatives on GGGI's benchmarking activity
From left-right: Ms. Marielle Romero, Ms. Aliza Ilagan, Ms. Iris Latay, and Mr. Loriel Yala, Dr. Almira G. Magcawas, Mr. Manolo Luis Herrera, Mr. Richard Calawagan, and Ms. Michelle Razo

CAS-DBS conducts ... (from page 10)



Field Conduct of Interviews and Focus Group Discussion (left) and Ecological Modelling (left) and Herbarium Preparation and Collection and Physicochemical Analyses of Water Samples (right)

Ecological Modelling (left) and Herbarium Preparation and Basic Plant Identification (right)



Field Sampling (left) and Microbiological Techniques (right)

Phytochemical Analyses (left) and Basic Molecular Techniques (right)

Prof. Michele T. Bono; (4) Microbiological Techniques by Prof. Sherine M. Cruzate; (5) Ecological Modelling by Dr. Jonathan R. Digma; (6) Herbarium Preparation and Basic Plant Identification by Prof. Alcona Mae P. Baltazar; (7) Qualitative Phytochemical Analyses by Dr. Agnes B.

Alimboyoguen, and (8) Basic Molecular Techniques by Dr. Ma. Fatima I. Cruzada. BIOCAMP 1.0 was attended by more than 260 students. The success of this activity will serve as the basis for the conduct of similar extension activities in the future designed for other clientele inside and outside of CvSU.

CvSU thanks Eugenio, Ilagan, Matel for their years of service

By Jassel Rochmel A. Parreño

Recognizing the help of the Biological Sciences (CAS-DBS) and a diligent, work-driven, and enthusiastic faculty researcher, retired last December 31, 2022. She happily served the CvSU employees, namely: Dr. Yolanda A. Ilagan of the College of Arts and Sciences (CAS) and Research Center November 15, 2022, Ms. Eugenio, (RC); Ms. Melinda B. Eugenio of the former Research Assistant I of KMC, Knowledge Management Center (KMC), ended her 15 years of service. Back on November 29, 2022, Ms. Matel and Ms. Lorna C. Matel who became part of the Extension Services (ES); the Southern Tagalog Agriculture, Aquatic and Resources Research, Development and Extension Consortium Transfer Coordinator, ES Technology (STAARDEC), and the Department of Agriculture-Agricultural Training Institute (DA-ATI) IV-A, CvSU waved a fond farewell to these retirees as they served the university for long years.

Dr. Ilagan, faculty of the College of Arts and Sciences- Department of

university for 38 years and 5 months. On November 15, 2022, Ms. Eugenio, former Research Assistant I of KMC, ended her 15 years of service. Back on November 29, 2022, Ms. Matel concluded her 37-year service to the university as STAARDEC Deputy Consortium Director/Regional Technology Transfer Coordinator, ES Technology (STAARDEC), and the Department of Promotion Division Head, and DA-ATI IV-A Focal Person.

As the retirees provided their services at different offices/units/colleges, their colleagues shared memorable experiences and messages during each celebration. Short programs

were held for Ms. Eugenio on November 15, Ms. Matel on November 17, and Dr. Ilagan on November 21.

Meanwhile, on behalf of the Office of the Vice President for Research and Extension (OVPRE), VP Melbourne R. Talactac grabbed the opportunity to extend his warmest gratitude to the retirees at the Thanksgiving party last December 21.

The retirees appreciated the heartwarming celebration and also shared their messages and achievements with the university. Aside from moving on to the next phases of their lives, they will receive terminal leave, a Government Service Insurance System (GSIS) pension, and the Pag-IBIG as their retirement benefits.



Ms. Melinda B. Eugenio (left) , Ms. Lorna C. Matel (middle) , and Dr. Yolanda A. Ilagan (right), CvSU retirees



Agrikultura at Turismo: Partner sa Pagbabago features *Magsasaka Siyentista Mr. Edilberto Silan*

By Ruby A. Manaig

Mr. Edilberto Silan, a Magsasaka agritourism site under the SciCAT project number of intellectual properties that are Siyentista and owner of Silan Agrifarm, or Science for Convergence of Agriculture and Tourism. The interview also revealed the objectives of the project in opportunities not only for the farm but January 6, 2023. Secretary Renato transforming the said farm as a also to surrounding communities.

Solidum Jr. of the Department of Science DOT-Accredited site that could be a SciCAT also provides inclusive and Technology and Onin Mira about venue for a wider dissemination of and holistic convergence of agriculture Agritourism, hosts of the program, held various agricultural technologies through and tourism that expands its scope to the said interview. both actual farm tour packages and more community members and

It was mentioned in the interview digital marketing strategies. In intensifies its impact to the improvement that Silan Agrifarm is in itself an addition, it also increases the potential of lives of the people engaged.



Mr. Edilberto Silan during the interview



The CvSU Knowledge Management Center FB page

Digma, best paper awardee at 2ND SEASEC 2022

By Jassel Rochmel A. Parreño



Certificate of Recognition received by Dr. Digma during the 2nd SEASEC 2022

Dr. Jonathan R. Digma, Assistant Professor III of the College of Arts and Sciences- Department of Biological Sciences (CAS-DBS), bagged the 2nd place Best Paper at the 2nd Southeast Asian Coffee Education Congress

(SEACEC), with the theme "Revitalizing the Coffee Industry in Southeast Asia Amidst the Pandemic," hosted by Cavite grabbed the 2nd place among the 10 State University-National Coffee competing teams/papers in the Natural Research, Development and Extension Sciences, Engineering, and Technology Center (CvSU-NCRDEC). It aimed to gather all the coffee stakeholders and value chain participants in the Southeast Asian Region and discuss various initiatives which contribute to the sustainability of the coffee industry Philippines. In the study, three coffee species were used to compare the field infestation and seasonal abundance of *Hypothenemus hampei* (Ferrari) (Coleoptera: Curculionidae) in Three coffee species in Cavite, Philippines. The event was held on December 13, 2022 via Cisco Webex Meetings. Dr. Digma and his co-authors, Dr. Augusto C. Sumalde, Dr. Calixto M. Protacio, Dr. Celia dR. Medina, Dr. Flor A. Ceballo, and Dr. Sheryl A. Yap, evaluate the impact on areas planted with different coffee species.

ADVERTISEMENT

PRODUCTS OFFERED



The Sugar Palm Research, Information and Trade (SPRINT) Center is selling products derived from kaong such as granulated kaong brown sugar, vinegar and seedlings. You may visit the office of SPRINT Center or contact us through the following:



cvsusprintcenter



sprintcenter@cvsu.edu.ph



+63 (976) 364 2045



(046) 889 1877

REconnections

The official monthly newsletter of the
Office of the Vice President for
Research and Extension

Cavite State University Don Severino delas Alas Campus
Website: <https://cvsu.edu.ph/ovpre-updates/>
Email: renewslatter@cvsu.edu.ph

EDITORIAL BOARD

Catherine R. Mojica
Editor-in-Chief

Erica Charmane B. Hernandez
Associate Editor

Jassel Rochmel A. Parreño
Editorial Assistant &
Layout Artist

Lester P. Adriano
Cyjane U. Alcazar
Janine B. Bacosmo
Lloyd O. Balinado
Cromwell R. Cabalu
Almira G. Magcawas
Hana D. Mahilum
Ruby A. Manaig
Jassel Rochmel A. Parreño
Michelle M. Razo
Yves Roy M. Tibayan
Contributors

Dr. Alvin William A. Alvarez
Head of Publication and
Communication Division

Dr. Agnes C. Francisco
Dr. Melbourne R. Talactac
Dr. Hernando D. Robles
Consultants



Published by the
Knowledge Management Center
Research Center Bldg.
Cavite State University
Indang, Cavite

Tel. No. +6346 8621654
E-mail: renewslatter@cvsu.edu.ph