



## CvSU co-hosts 2019 PHILAAST caravan in Cavite

The Philippine Association for the Advancement of Science and Technology (PhilAAST) held its annual S&T caravan in Cavite on February 1, 2019. This was hosted by Cavite State University in collaboration with the Philippine Council for Agriculture, Aquatic and Natural Resources Research and Development (PCAARRD) and Department of Science and Technology Region IV-A (DOST-CALABARZON). The opening program was held at S.M. Rolle Hall, Cavite State University where DOST Secretary Fortunato de la Peña, PhilAAST President Dr. Jaime C. Montoya, PCAARRD Acting Executive Director Dr. Reynaldo V. Ebor, DOST Regional Director Dr. Alexander R. Madrigal, and other PhilAAST officers graced the event. CvSU Admin Council, faculty and staff interested to become members of PhilAAST also attended the event.

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DOST Sec. Fortunato de la Peña discusses present major programs of DOST.

## Dela Cruz presents paper at Newton Agham Researcher Links Workshop

Dr. Ma. Cynthia R. Dela Cruz, campus administrator of CvSU Imus, presented a paper titled “Prevalence and Antimicrobial Resistance Profile of Some Bacterial Isolates of Veterinary Importance and Its Implications to One Health” at the Newton Agham Researcher Links Workshop held on February 4-7, 2019 at Rizal Park Hotel, Manila.

The Newton Agham Researcher Links Workshop titled, “Novel Vaccines and Diagnostic Technologies Against Emerging and Re-Emerging Veterinary Pathogens”, aimed to discuss

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## Trade fair and exhibit held

A trade fair and exhibit was held during the recent celebration of the 113<sup>th</sup> founding anniversary of Cavite State University on February 11-14, 2019 which was organized by the Office of the Vice President for Administrative and Support Services (OVPASS), Extension Services (ES) Center and Southern Tagalog Agriculture, Aquatic Resources Research, Development and Extension Consortium (STAARRDEC). The exhibit booths were installed at the football field.

The activity aimed to showcase products, services and technologies developed by the participants. Colleges, campuses

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## GETTING TO KNOW...

### MR. FEDERICO A. ABESTADO

Mr. Federico A. Abestado, *Digoy* to family and friends, is assigned at the Farmers’ Training Center and Technology Demonstration Farm (FTC-TDF) of the Extension Services Center as Administrative Aide I or farm worker. He is in charge in the cultural management of the open field area and Module F (multiple cropping of fruit trees) which includes weeding, watering, pruning, fertilization and harvesting. He is also involved in the maintenance of vegetable crop production, showcase of urban agriculture technology and edible landscaping areas. His other tasks include garden soil hauling, manure hauling, rice hull carbonization and maintenance of ornamental plants planted along the module areas.

He was employed at Don Severino Agricultural College (DSAC), now Cavite State University, in February 1995 as utility worker on job order basis. He became a contractual employee in July 2000 and holds the same position up to the present, serving the University for more than 23 years.

Mr. Abestado is a high school graduate of Saint Gregory Academy in Indang, Cavite. *Digoy* is now 53 years old, born on January 1, 1966 and presently resides in Brgy. Bancod, Indang, Cavite. He is married to Nerissa Gelera with two children.



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### 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.

# Newton Fund project holds demo on LAMP assay and LMDP device usage

The Newton Fund project, together with the College of Veterinary Medicine and Biomedical Sciences (CVMBBS) and the Research Center (RC), structured a demo on the usage of the developed LAMP (loop-mediated isothermal amplification) assay and prototype LMDP (low-cost portable molecular diagnostic platform) device of the project on February 12, 2019 at the CVMBBS Veterinary Medical Center.

The LAMP assay and LMDP device usage was demonstrated by Dr. Aurore Corinne Jeanne-Marie Poirier of the University of Surrey, United Kingdom and Dr. Branavan Manoharanehru of the Brunel University, respectively. Meanwhile, the primary objectives of the demo were to forge linkages and commence a probable research partnership between CvSU and UK researchers. The event was participated in by designated faculty researchers, faculty members and staff

from CAS, CEIT, CAFENR, CVMBS and CvSU Imus Campus, as well as from the University of the Philippines Los Baños.

Moreover, the Newton Fund project titled “Low-Cost Portable Molecular Diagnostic Platform for Rapid Detection of Select Poultry Pathogens (LMDP) in Bicol, CALABARZON and MIMAROPA Regions of the Philippines” is headed by Dr. Ma. Cynthia R. Dela Cruz, a faculty researcher and the campus administrator of Imus. This project is part of the LMDP program, an international research collaboration with several universities from the United Kingdom (Brunel University London, Lancaster University, University of Surrey, and the Pirbright Institute) and from the Philippines (Cavite State University, University of the Philippines Los Baños, and University of Eastern Philippines). (YRMTibayan)



LMDP device usage as demonstrated by Dr. Branavan Manoharanehru of Brunel University, UK



Dr. Aurore Corinne Jeanne-Marie Poirier of the University of Surrey, UK, showing how the LAMP assay functions

## CvSU co-hosts ...

(from page 1)

To start, CvSU President, Dr. Hernando D. Robles welcomed the guests and participants of the 2019 S&T Caravan. He expressed the University’s support to the vision and mission of PhilAAST and mentioned that CvSU is deeply honored to be part of such noteworthy undertaking. Dr. Montoya expressed his gratitude towards new members of the association and gave an orientation on the mission, vision, and activities of PhilAAST. On the other hand, Sec. de la Peña discussed the major programs of DOST and emphasized the interventions done by the department to strengthen commercialization of completed R&Ds in order to fully utilize their outcomes.

To showcase DOST-funded projects in Cavite, Project

Leader Dr. Teddy F. Tepora presented a brief project status/ update of the Intellectual Property and Technology Business Management (IP-TBM) project. A tour was also organized led by Dr. Ruel M. Mojica, VP for Research and Extension. Visited were the CvSU Coffee Quality Processing Center, Agriculture and Food Technology Business Incubator (AFTBI) and Coffee Genebank, DOST-funded projects in the University. Meanwhile, Silan’s Agri Farm, one of the Science for the Convergence of Agriculture and Tourism (SciCAT) sites to be established through funding by PCAARRD was also visited. The project team toured Sec. dela Peña and other PhilAAST officials around the farm and discussed the plans for converting it into a DOT- accredited farm

tourism site that will cater to various stakeholders. In the afternoon, PhilAAST officials toured DOST-funded projects in Bacoor, Cavite.

New members of PhilAAST including more than 200 CvSU faculty and staff were also inducted in the event.

PhilAAST is a non-profit scholarly organization established in 1951 which aims to promote the value of science in the community. The annual S&T caravan is in line with the association’s objective of establishing linkages with the scientific community in order to advance further scientific and technological development in the country and to encourage academic personnel to be among their members. (BSVideña)



Sec. de la Peña, CvSU, PCAARRD, and PhilAAST officials, and Silan Agri Farm owners during the 2019 S&T Caravan



## CAS-DPS, CEANHS ink extension MOA

The extension unit of the College of Arts and Sciences – Department of Physical Sciences (CAS-DPS) signed a Memorandum of Agreement (MOA) with Constancio E. Aure Sr. National High School (CEANHS) in Mendez, Cavite for their project, “Statistical Tools for Action Researches of Teachers: Let’s START!!” on December 6, 2018.

**Let’s START!** is one of the projects under the Developing a Progressive Society through Mathematics and Allied Sciences Program (DPS) of the college. The main objective of the project is to increase the number of action and basic research outputs of faculty members of CEANHS. Specifically, it aims to increase the beneficiaries’ knowledge on the concepts and principles of action and basic research, basic statistical concepts (parametric



Dr. Bettina Joyce Ilagan with CEANHS officials during the ceremonial signing of MOA

and nonparametric statistics), and instrument development for research.

The said extension project started on February 12, 2019 where Mr. Andrew J. Siducon, the department extension coordinator and the program leader of Let’s START!, discussed the first module entitled “Introduction to Action Research” followed by the discussion of Module 2 and the first part of Module 3 which include topics on basic statistical concepts, descriptive statistics, measures of dispersion and hypothesis testing. Mr. Aldrin Y. Patinga, Ms. Shiela Mae F. Balicudiong, Mr. Paul Vincent E. Botin and Prof. Analyn A. Mojica, CAS-DPS faculty members served as resource speakers. (AJSiducon)



CAS-DPS faculty members and participants during the first session of Let’s START!



Ms. Sheila Mae Balicudiong train participants during the second session of Let’s START!

## UM-registered kaong brown sugar pitched

Knowledge and Technology Transfer Office (KTTO) Manager, Engr. Sheryl D. Fenol joined Dr. Lorenzo Lapitan, Director of CvSU-Sugar Palm Research, Information and Trade (SPRINT) Center in presenting the Utility Model-registered *kaong* brown sugar to potential investors on February 7, 2019 at Esperanza’s Bed and Breakfast, Magallanes, Cavite.

The meeting was organized by Magallanes Women’s Club Multi-Purpose Cooperative (MAWCO) in order to identify the province’s innovative and commercial products by the all-women

cooperative. They were also joined by businessmen from San Pablo City, Laguna, Mr. Brian John Cataluna and Mr. Rhodel Desacada, who presented their own variety of products. The meeting was concluded with signed term sheet between Engr. Fenol and MAWCO’s representative, Ms. Lea Bernal-Galvez and a future collaboration of SPRINT with the cooperative to provide trainings and other forms of assistance in making various products from *kaong* plant. (JPCMagnawa)



Engr. Sheryl Fenol and Dr. Lorenzo Lapitan, Jr. presenting the UM-registered kaong brown sugar to potential investors



# ITSO holds IMPAcT

The Innovations and Technology Support Office (ITSO) through the project Enhancing and Operationalizing Intellectual Property (IP) Management and Business Development Office (IPM-BDO) conducted a five-day seminar-writershop on IP management dubbed as **Intellectual Property Management Awareness and Echo Training (IMPAcT)**” on February 18-22, 2019 at International House 1, Cavite State University-Main Campus. Through this activity, a total of 39 participants were oriented on the basics of IP, IP management and patent preparation. Specifically, it provided the participants awareness on the importance and benefits of protecting intellectual IPs, preparing technology disclosures and drafting claims, and encouraged more faculty members/researchers in developing technologies and projects from various fields and interests. Participants came from CAFENR, CAS, CON, CEMDS, CVBMS, CEIT, CCJ, and Carmona, Silang, Bacoar, Cavite City, Imus, Rosario, Naic, and Trece Martires City campuses. This is made possible by the technical support and services provided by the Knowledge Management Center, through ITSO and Knowledge and Technology Transfer Office (KTTO).

The first day of the training was graced by Vice President for Research and Extension, Dr. Ruel M. Mojica and presented a video that challenges the participants about the fourth industrial revolution for them to reflect on how their future researches might solve some of the world’s most pressing problems. It was followed by an introduction to IP, IP Code and discussion on



Atty. Jerry C. Serapion of Philippine Rice Research Institute with the organizers and the participants during the IMPAcT training

salient points of the recently BOR-approved University IP Policy by CvSU ITSO Manager and IPM-BDO Project leader, Dr. Teddy F. Tepora. He is the Project Leader of this DOST-PCAARRD-funded project which includes nine (9) participating SUCs and one (1) RDI (PhilRice). The succeeding days elevated to intensive training with methodology ranging from discussions, workshop, output presentation, provision and integration of feedbacks to consultation between the participants and resource persons. Among the resource persons were technical experts/ staff of ITSO, Ms. Emeline C. Guevarra (IPM-BDO project staff) and Mr. Andrew J. Siducon (ITSO Technical Staff). The invited resource person was Atty. Jerry C. Serapion, IPM-BDO Project Staff with concurrent designation as ITSO Manager of the Philippine Rice Research Institute (PhilRice), Nueva Ecija.

Finally, the organizers and resource persons were able to successfully facilitate the training particularly in guiding each and every participant. At the end of the training, ten (10) technology disclosures with patent potential were produced. This is the minimum target set for this activity proposal. (JPCMagnawa)



The participants with their prepared technology disclosures

## ANNOUNCEMENTS

INTELLECTUAL PROPERTY AWARENESS CARAVAN

A Roll-Out of IP ignite

April 22 - 25, 2019 Hostel Tropicana

### Call for Journal Articles

CAVITE STATE UNIVERSITY  
**RESEARCH JOURNAL** is now accepting manuscript for publication.

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## RC conducts pre-implementation meeting on approved researches

The Research Center (RC) of the University conducted a pre-implementation meeting for the approved research programs/projects under the CvSU Research Grant (CRG) and Faculty and Students Research Capability Enhancement Program (FSRCEP) funding schemes on February 21, 2019 at Hostel Tropicana, Cavite State University – Main Campus. This activity which was attended by thirty one (31) faculty members and administration staff aimed to orient the faculty members with their commitments and address their concerns.

In December 2018 to February 2019, RC released funds amounting to Php 1,755,169.30 to the sixteen (16) faculty members under the CRG and six (6) faculty members under the FSRCEP, respectively. Personnel-In-charge and staff from the different offices of the administration such as Supply, Accounting, Human Resource, Budget, Cashier, and Internal Audit were invited to attend the said meeting to answer queries from the faculty members regarding their approved program/projects. Dr. Yolanda A. Ilagan, the Director for Research, congratulated and inspired the faculty members to conduct more research. Ms. Sally A. Roguel, Monitoring and Evaluation Unit (M&E unit) staff, discussed matters regarding the Special Order (SO), contract, procedures on the implementation, monitoring and evaluation of funded research studies and Harmonized Gender and

Development Guidelines (HGDG) while Dr. Bernadette A. Sapinoso, Chair, Ethics Review Board (ERB) discussed the ERB guidelines and procedures. Dr. Isaias A. Banaag, designated faculty researcher, gave his closing remarks by challenging the proponents to be active part of the growing research community of the University. (SARoguel)



Dr. Yolanda Ilagan orienting faculty members in the conduct of research during the pre-implementation meeting.

## Trade fair and exhibit ...

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and units as well as Cavite Farmers' Information and Technology Services (FITS) Centers were invited to participate in the fair. Among them include the College of Nursing (CON), College of Agriculture, Food, Environment and Natural Resources (CAFENR), College of Criminal Justice (CCJ), College of Engineering and Information Technology (CEIT) and College of

Economics, Management and Development Studies (CEMDS), Carmona, Cavite City and T3 (Trece, Tanza and General Trias) campuses. The National Coffee Research Development and Extension Center (NCRDEC) had a free tasting and selling of hot and cold Aguinaldo Blend coffee among guests and exhibit goers.



CvSU vice presidents cutting the ribbon to mark the opening of the trade fair and exhibits

FITS Centers from Mendez, Amadeo, Dasmariñas, Imus, Gen. Emilio Aguinaldo, Maragondon, Tanza, Indang, Gen. Mariano Alvarez, Bacoor, Alfonso, Magallanes, Naic and Office of the Provincial Agriculturist (OPA) Trece Martires City displayed and sold products from their localities and promoted technologies of their respective Magsasaka Siyentista (MS).

Separate sets of criteria were used in selecting the Best Booth for FITS centers and college or campus. Declared winners were CvSU Carmona, CEIT and Trece Martires City campus as 1<sup>st</sup>, 2<sup>nd</sup> and 3<sup>rd</sup> placers, respectively. The Best FITS Center booth winners were OPA Cavite, Tanza, Maragondon and Imus, Magallanes, and GMA as 1<sup>st</sup>, 2<sup>nd</sup>, 3<sup>rd</sup>, 4<sup>th</sup> and 5<sup>th</sup> placers.

Dr. Henry O. Garcia, Vice President for Administrative and Support Services, spearheaded the activity assisted by OVPRE and STAARDEC officers and staff. (LCMatel)



Winners of the Best Booth awards (left) Carmona campus and (right) FITS OPA Cavite



Pres. Hernando Robles and VPs Dr. Leyma Cero, Dr. Camilo Polinga and Dr. Henry Garcia with Mrs. Lorna Matel and FITS OPA staff during the awarding ceremony



## NCRDEC hosts 2<sup>nd</sup> technical farm tour

The National Coffee Research Development and Extension Center (NCRDEC) led a technical farm tour on actual coffee farming and processing operations of the Center on February 7, 2019. This was participated in by interested individuals from local government units, and private enterprises such as OPA-Batangas, DA-Lipa, Las Palmas Farm, Organika Farms, Mang Inasal, etc. Some of them were coffee farmers from Bicol region and Batangas province.

The success of the first farm tour held in December 2018 escalated the interest of more clients to request for another farm tour. NCRDEC technical farm tour is one of the organized events providing theories and their application on coffee production and processing from coffee bean to cup.

Aside from the tour at the Wonders of the Philippine coffee museum, MCG robusta, Coffee Nursery, Vermicompost Facility, and Coffee Demonstration and Experimental Areas, the participants also experienced harvesting of coffee, depulping and seed sowing.

For the processing aspect, the group witnessed the processing techniques employed to Aguinaldo Blend. A guided coffee cupping demonstration was also done by the participants which served as one of the highlights of the tour.



Participants of the NCRDEC Technical Farm Tour 2019 during the coffee cupping demonstration

Very informative and comprehensive, the activity went on smoothly that most of the participants were impressed.

The Center is open for another farm tour in November and December in time for another harvesting season of coffee. (AJLMagcamit)

### Dela Cruz presents paper ...

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recent developments in the field of diagnostics and vaccines in the control and prevention of economically important livestock and poultry diseases, as well as veterinary pathogens of public health importance and to forge long-term research partnerships between early-career researchers, livestock industry and national disease control authorities in the Philippines and the United Kingdom.

This year's Newton Agham workshop was organized and funded by the Department of Science and Technology (DOST), Newton Fund, British Council, University of the Philippines Los Baños, and Lancaster University. Further, 13 mentors from UK and 31 scientists, researchers, and livestock and poultry industry players from the Philippines joined the said workshop. Meanwhile, Dr. Melbourne R. Talactac and Dr. Adrian Miki C. Macalanda of the College of Veterinary Medicine and Biomedical Sciences (CVMBBS) also participated in the workshop; Mr. Yves Roy M. Tibayan of the Research Center served as a member of the steering committee. (YRMTibayan)



Dr. Ma. Cynthia R. Dela Cruz, during her paper presentation at the Newton Agham Researcher Links Workshop

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(L-R) Dr. Adrian Miki C. Macalanda, Dr. Melbourne R. Talactac and Mr. Yves Roy M. Tibayan together with Dr. Jovencio Hubert A. Abalos, the associate dean of the UPLB College of Veterinary Medicine