



CvSU Team *Kaong* bags DOST – PCIEERD’s 4th YIP grant

CvSU Team *Kaong*, the group of students from the Cavite State University Laboratory Science High School (CvSU LSHS) received the 4th Young Innovators Program (YIP) 2020 Grant from the Department of Science and Technology – Philippine Council for Industry, Energy and Emerging Technology Research and Development (DOST-PCIEERD) during the online awarding ceremony via Zoom and Facebook Live last September 22.

The only grantee from Region IV-A, Team *Kaong*, composed of Alexis Anne C. Bonus, Renz John Kurt S. Reyes, and Vien Isabella R. Rom, was one of the nine (9) grantees whose project proposals have been shortlisted on July 28, 2020, and one of the 16 out of 92 group applicants screened from all over the country. Their proposed project titled, “Proton Exchange Membrane (PEM) Fuel Cell Using Electrode Processed from *Kaong* Waste Product” aims to create a proton exchange membrane (PEM) fuel cell that will be developed using sugar palm or *kaong* waste products since (continue on page 2)

Project SciCAT holds training on banana production, drip irrigation

A back-to-back capability enhancement and skills training for farmers and farming enthusiasts was held at Silan Agri Farm on Sept. 18, 2020 through the Science for the Convergence of Agriculture and Tourism (SciCAT) Project.

A total of 37 trainees including the Silan AgriFarm owners and farm workers, farmer organizations, farming communities, entrepreneurs and other interested individuals in the community and nearby cities participated in the whole-day

training on Banana Production and Drip Irrigation Technology.

The morning session was filled with information on banana production discussed by Mr. Reynato Rozul, assistant provincial agriculturist of the Provincial Government of Cavite, and *Magsasaka-Siyentista* Edilberto Silan, owner of Silan AgriFarm, who served as resource speakers.

The participants were enlightened on the status of banana production in (continue on page 4)

GAD-RC holds workshop on GAD Research Proposal Presentation

The Gender and Development-Resource Center (GAD-RC) hosted a two-day webinar workshop on GAD Research Proposal Presentation on September 25 and 28, 2020.

Facilitated by Ms. Raecel A. Estebat, officer-in-charge of GAD-RC, the webinar workshop was attended by 35 female and 15 male research and gender and development coordinators and alternates from different colleges and campuses of the university. This activity outlined the importance of various methods in integrating sex and gender implementation in conceptualizing research. It also aimed to strengthen the practices and science of application that would

reduce gender inequalities and gender issues.

Dr. Ruel M. Mojica, vice president for Research and Extension, gave an encouraging message to all faculty researchers in shaping the university’s research and development agenda through the (continue on page 5)



Poster of the YIP announcement

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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.

Tepora participates in 2020 FFTC Dragon Fruit Workshop

Dr. Teddy F. Tepora, manager of Cavite State University (CvSU) Innovation and Technology Support Office (ITSO), participated in the 3rd Dragon Fruit Workshop and Steering Committee Meeting conducted online on September 22-23, 2020 with the theme: *Dragon Fruit Value Chain for Global Markets*.

The event was organized by the Food and Fertilizer Technology Center (FFTC) for the Asian and Pacific Region, Taiwan Agricultural Research Institute (TARI), Taichung District Agricultural Research and Extension Station (TCDARES), and National Chung Hsing University (NCHU).

Dragon fruit production and markets in Asia are fast growing for the past five years. The FFTC is working with its country partners and building a dragon fruit research network (DFNet) to help farmers in the Asian and Pacific Region to develop dragon fruit value chain for global markets.

DFNet experts from the Asia-Pacific region were invited to discuss on the following areas: dragon fruit imports and exports: practices, challenges and country experiences; Good Agricultural Practices (GAPs), quality standards and quarantine requirements for international markets; nutritional and functional traits, value addition, processing properties, and consumer preferences; and successful stories, and public and private partnerships.



Screenshot of the participants of the dragon fruit workshop

Dr. Teddy F. Tepora served as member of the steering committee and commentator. He became a member of the DFNet after his participation in the 2nd dragon fruit workshop in My Tho City, Vietnam in 2019.

Before the event, the organizing committee for the 2020 Dragon Fruit Workshop and Steering Committee Meeting conducted an online meeting last June 19 hosted by the Bureau of Animal and Plant Health Inspection and Quarantine, Council of Agriculture (BAPHIQ, COA) in Taipei. Dragon Fruit Research Network (DFNet) partners from TARI and its Fengshan Tropical Horticultural Experimental Branch of Taiwan, Cavite State University, University of Hawaii, Creative House Corporation in Japan, International Tropical Fruits Network (TFNet) under FAO, and New Zealand Institute for Plant and Food Research participated in the said meeting. (TFTepora)



Screenshot of the meeting of the steering committee

CvSU Team Kaong bags ... (from page 1)

kaong trees are abundant in upland Cavite. The project can develop an energy storage device that can generate a maximum potential of 1.2V.



YIP awardees during the virtual awarding ceremony

During the online awarding, parents of the grantees were present together with their mentor, Engr. Sheryl D. Fenol and CvSU-SHS principal, Dr. Liza C. Costa, for the online contract signing. The grantees also presented their winning proposal.

Other grantees were from Mapua University, Polytechnic University of the Philippines – Sta. Mesa, Navotas National Science High School, Philippine Science High School - Main Campus, Philippine Science High School - Central Luzon Campus, University of Mindanao – Main Campus, and Angeles University Foundation Integrated School.

On its 4th year, DOST-PCIEERD's YIP grant aims to give funding support to Filipino students under age 25, encourage them to do scientific research in the industry, energy and emerging technology sectors, and experience research under a mentor.

In 2019, CvSU Team Yolk bagged the same grant and was the first-ever YIP grantee from (continue on page 7)

ERB, RC conduct Responsible Conduct of Research webinar

The Research Center through the Ethics and Review Board (ERB) conducted a webinar entitled “Responsible Conduct of Research” last September 23-24 which was attended by CvSU faculty and students.

In addressing this moment of uncertainty, which is the COVID-19 pandemic, only one is certain and that is moving forward, crafting the best and most courageous act of an educator by delivering the lesson and learning process to the students in the most possible way and adopting the life of the new normal. This includes the change of the platforms of teaching to a new design and learning management system to be able to deliver education that can be accepted, available and possible for the students to use. However, everything must adapt to changes including the conduct of research protocols for the securing of informed consent from participants, data collection, and submission of protocols using online modality. These adjustments in procedures need to be disseminated to both faculty and student researchers, thus, the two-day webinar was organized.

On the first day of the webinar, speakers were Prof. Edlyn B. Jimenez, MIRB, coordinator of the University of the Philippines Manila Research Ethics Board (UPMREB), and Dr. Rhodora C. Estacio, retired professor and former chair of the Department of Biochemistry and Molecular Biology, College of Medicine, UP Manila and currently, vice chair of the Philippine Health Research Ethics Board Committee on Standards and Accreditation (PHREB CSA). Prof. Jimenez tackled the topic on National Ethical Guidelines of 2017 and National Regulation which comprised of the history of research and its guidelines in various fields of study; while Dr. Estacio talked about Applying Research Ethics Principles and expounded on the Informed Consent Form and Process. She discussed how an informed consent is used and how it is processed using the principles of ethics such as social value, informed consent, volunteerism, weighing risk and benefits, privacy and confidentiality, justice and transparency.

The second day was graced by Dr. Leslie Michelle M. Dalmacio, professor and coordinator of the MD-PhD (Molecular Medicine) program of the College of Medicine, UP Manila with her topic “Institutional Roles and Research Ethics.” She expounded on the roles of the institution in putting up an ethics review committee of various discipline. Meanwhile, Dr. Allen Alvarez, from Fraser Health Ethics Services of British Columbia



CAVITE STATE UNIVERSITY
RESEARCH CENTER

SEPTEMBER 23-24, 2020
9:00-12:00 A.M
Via Cisco Webex

WEBINAR SERIES ON
RESPONSIBLE CONDUCT OF RESEARCH

Part 1

RESEARCH ETHICS

SPEAKERS:

SEPTEMBER 23, 2020



Prof. Edlyn B. Jimenez
UP Manila
Topic : National Ethical Guidelines and
National Regulation



Dr. Rhodora C. Estacio
UP Manila
Topic: Applying Research Ethics Principles The
informed Consent form and Process

SEPTEMBER 24, 2020



Dr. Leslie Michelle M. Dalmacio
UP Manila
Topic: Institutional Roles and Research Ethics



Dr. Allen Alvarez
Fraser Health Ethics Services
Topic: Experiences on Ethics Review of
Researches

Poster of the RC-ERB webinar

Canada, shared his experiences on Ethics Review of Researches.

One important question an ERB member should address when reviewing a protocol is “What is the relevance of this study to the society and to the body of knowledge?”. But since papers for review are coming from budding researchers like the undergraduate students, Dr. Estacio, in her talk as representative of the Philippine Council for Health Research and Development (PHREB), reiterated that the process should be mentoring, and that these students should first learn the process of doing research in the right way and be inspired to continue doing it for the sense of contribution to the development of mankind.

All the topics had been a great help in understanding the role of the ERB in the University as this was misunderstood in the past years. The discussion highlighted the very important topics, one of which was the PHREB application for accreditation. Having various curricular offerings, CvSU is on its way of strengthening ERB especially for colleges pursuing studies with human participants, both in health-related disciplines and social studies.

To conclude the session, continuation of observations and reflections as well as revision of interventions paved the way to the emergence of new learning needed to answer the social concerns and research outputs to be utilized in the development of methods, procedure, and products needed towards the advancement of quality of human life.

Ms. Lady Aileen A. Orsal and Prof. Adora Joy T. Plete served as session moderators. (BASapinoso)



Dr. Rhodora Estacio (left) and Prof. Edlyn Jimenez (right)
Day 1 resource speakers

Dr. Allen Alvarez (left) and Dr. Leslie Michelle Dalmacio (right)

Masana talks at LSPU 2020 Research Writeshop

Dr. Louziela P. Masana, a faculty member of Cavite State University – General Trias City Campus, delivered a lecture during the 2020 Research Writeshop: Gender Lens on Various Institutional Research Disciplines organized by Laguna State Polytechnic University – San Pablo City Campus and held last September 3 via Zoom.

Dr. Masana discussed the topic, “Guide on Article Writing (Abstract, Introduction, Materials and Methods, Results and Discussion, Conclusions and Recommendations, References)”. The said writeshop was part LSPU’s initiative on equipping its faculty researchers’ capability on article writing and enhancing research paper originality.

Other topics include: basic tips on article writing for developmental/experimental researches (IMRAD) by Mr. Wilfred



Poster of the Research Writeshop



Screenshot of Dr. Masana during the writeshop with some participants

Ralph Gomez, ITSO coordinator of LSPU-San Pablo City Campus; basic tips on article writing for descriptive researches (IMRAD) by Dr. Delon A. Ching, research and development chairperson of LSPU-San Pablo City Campus; and enhancing research paper originality by Dr. Richard Bañez, research head of Batangas State University-Malvar Campus.

Dr. Masana recently graduated from University of Santo Tomas (UST), Manila with a doctorate degree in Psychology and published her paper titled, “Unraveling Non-Suicidal Self-Injury: Understanding the Behavioral Dynamics of Filipino Adolescents at Risk of Deliberate Self-Harm” at the North American Journal of Psychology in June 2020. (MBEugenio)

Project SciCAT holds training ... (from page 1)



Mr. Reynato Rozul and Magsasaka Syentista Edilberto Silan during the training on Banana Production



The participants of the training on Banana Production



Engr. Riem del Rosario during the training on Drip Irrigation

Cavite, banana plant varieties, cultural management of Tissue-cultured *lakatan* and *saba* varieties, fruit care, harvesting, pest and disease management, and post-harvest handling. Three tissue-cultured *lakatan* and two *saba* seedlings were distributed to each trainee as token of participation.

Moreover, during the afternoon session, Engr. Riem del Rosario, owner of DR Greensystems Irrigation and Landscape Enterprise, served as resource speaker on Drip Irrigation Technology.

Principles of drip irrigation system, (continue on page 6)

RC conducts online review of research proposals

The Research Center (RC) conducted an online review of research proposals’ potential for funding under the CvSU Research Grant (CRG) via CISCO Webex. This activity aimed to encourage CvSU faculty and staff to engage in research and to uphold the University’s research targets in this new normal.

Conducted last August 11, the first online review consisted of six proposals, one of which came from the College of Arts and Sciences (CAS), one from the College of Agriculture, Food, Environment and Natural Resources (CAFENR), two from CvSU - Imus, one from CvSU-Bacoor City, and one from CvSU-Carmona.

The second batch, reviewed on August 13, consisted of seven proposals, one of which was from the College of Education (CEd), one from CAS/Research Center, two from the College of Engineering and Information Technology (CEIT), one from CvSU-Rosario, two from CvSU-Imus, and one from the National Coffee Research Development and Extension Center (NCRDEC).

Meanwhile, the third batch of proposals (a total of 5) was reviewed last September 1 with one presenter from CAFENR, one from the Research Center, one from CvSU-Gen. Trias, one from CvSU-Naic and one from NCRDEC.

Dr. Yolanda A. Ilagan, Director for Research, together



Dr. Yolanda Ilagan and Dr. Ruel Mojica during the research proposal review

with the R&E Council, namely: Dr. Ruel M. Mojica, Dr. David L. Cero, Dr. Analita dM. Magsino, Dr. Evelyn O. Singson, Dr. Ma. Fatima I. Cruzada, Prof. Lina C. Abogadie, Engr. Gerry M. Castillo, and Prof. Almira G. Magcawas served as the panel of evaluators.

Each proposal when approved shall be funded by the University with a maximum amount of Php 200,000.00 (MJMMojica)



Some of the presenters during the review

GAD-RC holds workshop ... (from page 1)

integration of gender and development in researches.

Presenters during the workshop were Dr. Nelia C. Cresino, retired faculty and former director of GAD-RC, who talked on the integration of gender and development in research; and Dr. Marietta C. Mojica, retired professor and former GAD chair for Research, who gave a thorough analysis on how to properly identify research problems in the sector of

gender and development.

During the workshop, the participants worked on the formulation of research topics which later on were presented to the speakers. Numerous approaches and techniques were suggested to all the participants to advance the quality of their research topics. The webinar workshop was concluded with a discussion on current gender statistics by Dr. Jenny Beb F. Ebo, research and development unit head of GAD-RC. (KDJAgrada)



Screenshots of the workshop speakers and participants



Engr. del Rosario on the demonstration of the drip irrigation system

its advantages and disadvantages, components, layout system, problems and maintenance were the highlights of the lecture. After the session, Engr. del Rosario and the trainees proceeded to the dragon fruit area with installed drip irrigation technology for the product demonstration.

The capability enhancement and skills training of the SciCAT Project aims to capacitate farmers and farming enthusiasts on recent agricultural technologies generated by Cavite State University and other research institutions in the country. The activity also serves as a medium to cultivate a technology-driven mindset in the community to address the present challenges of agriculture in the country. Through the University's continuous partnership with Silan AgriFarm, the SciCAT Project promotes an agritourism model that features the



Participants of the Drip Irrigation seminar and demonstration

application of agricultural technologies in an actual farm setting, hence improve the local community and eventually establish an accredited Science and Technology-based Agri-tourism site in the municipality. *(LPNovicio/SMLdeLeon)*



The resource speakers receiving certificates of appreciation

ANNOUNCEMENT... Happening in November 2020



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SUBMISSION GUIDELINES

- a. Abstracts should not be more than 250 words and must contain the importance of the study, objectives, methodology, highlights of the results and conclusions. Five key words should also be included.
- b. The abstract should be in A4 size paper with 1 inch margin on all sides. Font should be 'Arial' size 11 and justified. Authors (Surname, First Name, Middle Initial), affiliations and email addresses shall be indicated below the title of the papers. Presenting authors shall be underlined (font size, 10). Research Title is centered (bold, upper and lower cases, font size 12). Compiled in Word Format.
- c. Abstracts shall be submitted to the chair of the committee through email, (2020makapunosummit@gmail.com) not later than November 5, 2020.
- d. Notifications regarding acceptance of the paper will be sent thru email not later than November 11, 2020.
- e. Digital posters of accepted papers will be prepared by the authors and must be sent to the committee not later than November 18, 2020. Detailed guidelines for preparation of digital posters and criteria for evaluation will be sent also together with the notice of acceptance.
- f. Best poster papers (Best Poster, 1st runner up, 2nd runner up and Viewers' Choice Award) will be selected and will be given cash prizes



NCRDEC conducts 4th Coffee B.R.E.A.K. webinar session

The National Coffee Research Development and Extension Center (NCRDEC) conducted its 4th Coffee B.R.E.A.K. webinar session titled, “Courtship: Pursuing Viable Coffee Business Ventures” last September 3 via Cisco Webex and Youtube Live.

Participated in by around 80 stakeholders from the academe, government agencies, cooperatives, non-government organizations (NGOs) and private enterprises, this session was led by Mr. Michael Harris Conlin, President and CEO of Henry & Sons Trading and Manufacturing Company, Inc.

MAR’s Coffee and Herbs, a local coffee enterprise owned by millennial agriculturists and CvSU alumni was featured for this session. The owners of the said enterprise aim to support local coffee farmers through locally sourced coffee and to inspire more individuals to engage in agriculture.

“Customer experience is the most important thing with selling a product,” Conlin said as he discussed the different considerations in establishing coffee business ventures. (AJMagcamit).



Mr. Michael Harris Conlin discussing his lecture during the fourth session of Coffee B.R.E.A.K.



Poster of the 4th Coffee B.R.E.A.K. webinar series

CvSU Team Kaong bags ... (from page 2)

Region IV-A. The team members namely: Androu Royce G. Dizon, Kaela Monique M. Dy, and Bernadette Pascua-Pamular, with Engr. Fenol as their mentor, will present the accomplishments of their project titled, “EGxiting: Egg Grading, Sorting, and Sexing Using Image Processing and Artificial Neural Network” on November 20, 2020 thru a virtual platform.

THE PHILIPPINE COFFEE JOURNAL

CALL FOR PAPERS

ABOUT THE JOURNAL

A first of its kind, the Philippine Coffee Journal is a double-blind, peer-reviewed academic journal which focuses on the results and outcomes of research, development and extension (RDE) activities on coffee conducted by different higher education institutions (HEIs) and other government RDE institutions. It aims to revitalize the Philippine coffee industry through knowledge generation and transfer of technology to the community recognize efforts in the development and promotion of the Philippine coffee industry through information dissemination and publication.

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Who are eligible to submit?

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- ✓ Southeast Asian Universities
- ✓ Presentors during the National/ Southeast Asian Coffee Education Congress (NCEC/ SEACEC)

Manuscript Format and Submission

All parts of manuscript should be typed on one side of page, double-spaced on Letter (8 1/2" x 11") typewriting paper with one-inch margin on all sides and consecutively paginated on the upper right hand corner of the page. Arial with 12 point font size is preferred, using Microsoft Word and limited to 30 pages including tables, figures and references.

Manuscript together with the cover sheet should be submitted at philcoffeejournal@gmail.com.

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5th session

Coffee B.R.E.A.K. presents

Meet the Parents: Tracing the Roots of Phil. Coffee

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Speaker:

MS. BEL M. CASTRO
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Destination?

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NCRDEC webinar series happening in October

CvSU-CCAT faculty present papers, win awards

Faculty members of the Department of Management Studies, Cavite State University – CCAT Campus presented papers and won awards during the Asian Virtual Multidisciplinary Research Conference with the theme, “Sustaining Research in the New Normal Environment,” last August 27-29 via Zoom virtual conferencing organized by the Philippine Association of Institutions for Research, Inc.

Mr. Jerico B. Tadeo bagged the Best Oral Research Presenter award in two categories with his papers titled, “Adoption of Gender and Development Session in BSBM Syllabi: An Action Research” for action research category and “Adopting Project-Based Learning Strategy in Product Management Classes of BSBM Program of CvSU-CCAT Campus” for education research category. Mr. Tadeo also won the Best Abstract on Institutional and Action Research category with Ms. Laarnie R. Manuel with their paper titled, “Community Impact Creation: Evidences from *Gabay Pangkabuhayan* Skills and Training Program of the Department of Management Studies-CCAT Campus.” As winners, they received certificates of recognition.



Indeed, no pandemic can stop CvSU-CCAT in reaching its 2020 goals. (GCBartolome)



Mr. Tadeo and Ms. Manuel with their awards

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