SciCAT AVENUES participates in DOST-PCAARRD, FFTC’s International Seminar on Farm Tourism

by Ruby A. Manaig

Science for the Convergence of Agriculture and Tourism (SciCAT) AVENUES participated in the three-day international seminar titled "Harnessing the Economic and Socio-Cultural Opportunities of Rural and Farm Tourism" organized by the Department of Science and Technology-Philippine Council for Agriculture, Aquatic and Natural Resources Research and Development (DOST-PCAARRD) in collaboration with the Food and Fertilizer Technology Center last May 30 to June 1 at Los Baňos, Laguna.

This international seminar focused on the economic and socio-cultural opportunities of farm tourism and was attended by Agri-tourism experts from all over the Asia Pacific region. Presenters from Japan, Korea, Thailand, Vietnam, Taiwan, Indonesia, Malaysia, and the Philippines shared their experiences, challenges, opportunities, and best practices in farm tourism. Participants learned from each other’s knowledge and experiences.

During the opening ceremony, Dr. Reynaldo V. Ebora, executive director of the DOST-PCAARRD, mentioned that the enactment of the Farm Tourism Act in the Philippines paved the way for the recognition, promotion, and better appreciation of the industry. SciCAT is an arm that directly (continue on page 2)

CEd-TED conducts extension activity under Adopt-a-School Program

by Janelle P. Mendoza

The Teacher Education Department of the College of Education (CEd-TED) conducted an extension activity under the extension program titled "Adopt-a-School" with the theme "Sama-samang Pagtutulungan ng Komunidad sa Pag-unawa, Pagmamalasakit at Pagmamahal para sa mga Batang Natatang" last April 28 to May 19 at (continue on page 3)

The faculty members of the CEd-TED and ICES (left) and the parents/guardians of ICES (right) during the conduct of the extension activity
CvSU IP-TBM conducts Monitoring, Learning visit at BISU
by Vincent V. Vergara

The Cavite State University (CvSU)- Intellectual Property and Technology Business Management (IP-TBM) office, under the supervision of Dr. Teddy F. Tepora, visited the Bohol Island State University (BISU) to assess BISU’s IP-TBM status and accomplishments, and conduct a learning visit last May 16 to 18.

The team visited the BISU- Main Campus to meet with Dr. Ivy Corazon A. Mangaya-ay, vice president for Research, Innovation and Extension (VP-RIE), along with Dr. Angeline D. Baldapan and Ms. Maria Donna Buates, IP-TBM and ITSO directors. Afterwards, they headed to the BISU- Bilar Campus. Dr. Reizl Jose, project leader of the IP TBM-Bilar Campus; Engr. Dennis Jomoc, a faculty researcher at BISU, and Mr. Jorge Cabelin, project leader of the SciCAT, presented the outputs and accomplishments of their respective projects to the CvSU team. It was indeed a fruitful activity for the SUCs.

Moreover, this activity was capped by field tours. The participants were able to visit Silan AgriFarm at Tambo M. Kulit, Indang, Cavite, the Cavite State University’s Agri-Ecotourism Park in Indang, Cavite, and Gourmet Farm in Silang, Cavite.

It was not only an informative and insightful event, but also a fun and enjoyable activity.

The participants and the presenters during the seminar with Mr. Noel A. Catibog, director of DOST PCAARRD-TTPD, Dr. Su-San Chang, director of FFTC, and Dr. Tomonari Watanabe, deputy director of FFTC.
CvSU-ITSO conducts Patent Search, Drafting Workshop
by Vincent V. Vergara

Cavite State University (CvSU)-Innovations and Technology Support Office (ITSO), headed by Dr. Teddy F. Tepora, manager of ITSO, conducted IP Unite 2023: Patent Search and Patent Drafting Workshop last May 9-11 at the Interdisciplinary Research Building, CvSU. This activity primarily aimed to train the faculty and non-teaching personnel of the CvSU and its satellite campuses in drafting a patent document and producing patent search reports and ready-to-file patent documents for CvSU technologies.

Dr. Agnes C. Francisco, director of the Knowledge Management Center (KMC) and Dr. Melbourne R. Talactac, vice president for Research and Extension, were present to welcome and inspire the participants before the workshop proper started.

Engr. Gee Jay C. Bartolome and Engr. Sheryl D. Fenol, alumni of the Regional Agri-Aqua Innovation System Enhancement (RAISE) program’s IP Masterclass, served as the resource speakers and facilitators of the event. They discussed the basics of intellectual property and patents, the process of patent searching and the art of drafting claims and patent documents. The workshop was attended by the participants from the College of Arts and Sciences (CAS), College of Engineering and Information Technology (CEIT), Sugar Palm Research, Information and Trade (SPRINT) Center, CvSU Research Center, CvSU-Carmona Campus, CvSU-Imus Campus, and CvSU-Cavite College of Arts and Trades (CCAT) Campus. They were tasked to conduct patent searches for their technologies and draft their respective claims and patent documents. In addition, they were asked to present their outputs considering the comments and suggestions of the facilitators.

Certificates of appreciation and participation were given to participants and special awards were presented to those with the best outputs and presentations. These include Mr. Antonino Jose Bayson of CvSU-Carmona Campus, who was hailed the Best Drafter and Best Presenter for the chemical category, and Engr. Jose Carlo R. Dizon of CvSU-Main Campus, who won in the non-chemical category.

CEd-TED conducts ... (from page 1)

Indang Central Elementary School (ICES), Indang, Cavite. It was spearheaded by Prof. Rosal S. Concepcion, extension coordinator of TED and the office of the department chair. Parents and guardians of ICES pupils, who were the primary beneficiaries of the project, attended the said event along with TED faculty extensionists, Bachelor of Special Needs Education students, faculty, and the school administrators.

The activity aimed to assist the beneficiaries in determining and assessing the skills and capabilities of their children with special needs through the different topics presented by TED faculty.

Dr. Jane J. Reyes was invited to discuss the topic, "Mga Makabagong Pamamaraan at Wastong Gabay Para sa mga Magulang sa Mahusay na Pagpapaunlad ng Kakayahan at Kaalaman ng mga Mag-aaral". Meanwhile, Prof. Concepcion shared her expertise on "Sapat na Kaalaman at Pang-unawa sa Iba’t ibang Espesyal na Pangangailangan ng Naaayon sa I.D.E.A (Individuals with Disabilities Education Act)". Prof. Jason R. Maniacop explained the topic titled, "Karapatan ng Batang Natatangi ay Isulong para sa Sama-samang Tulong", while Dr. Janelle P. Mendoza discussed "Mga Hakbang sa Pagsuporta ng Pamilya sa mga Batang may Espesyal na Pangangailangan".

The activity was indeed a huge success for the CEd-TED extensionists and ICES beneficiaries. Its second phase focusing on the teachers and the students of the said school is planned to be conducted soon.
Fenol presents research paper in Taiwan

by Jhon Laurence B. Herrera

Engr. Sheryl D. Fenol, faculty from the College of Engineering and Information Technology, presented the research paper titled “Activated Carbon from Sugar Palm (Arenga pinnata) Waste Products” at the 2023 International Conference on Environmental Quality Concern, Control, and Conservation held at the National Kaohsiung University of Science and Technology (Nanzi Campus), Kaohsiung, Taiwan last May 4-6.

The research paper was a collective effort of Engr. Fenol and her co-researchers, namely: Dr. Lorenzo C. Lapitan, Jr., Mr. Jhon Laurence B. Herrera, and Mr. Daeniel Zarene P. Mojica. It showcased the production of activated carbon using sugar palm waste products specifically from husks and fiber.

The results of the study revealed that activated carbon derived from sugar palm husks and fiber contains a higher surface area of 2,000 to 3,000 m²/g compared to the commercially available activated carbon with 900-2,000 m²/g.

The said conference was hosted by the universities in Taiwan, namely: the National Chung Hsing University, the National Kaohsiung University of Science and Technology, and Chinese Institute of Environmental Engineering.

CvSU-ERB conducts Standard Operating Procedures Workshop

by Carlo Emil B. Manabo

In pursuit of the Level I accreditation of the Cavite State University-Ethics Review Board (CvSU-ERB), the committee members initiated the conduct of the two-day workshop on “Standard Operating Procedures” facilitated by the Philippine Health Research Ethics Board (PHREB) last May 4 and 5 via Zoom.

The workshop aimed to empower the ERB members in the creation of SOP on ethical standards in the conduct of research and ensure its relevance and timeliness on the current research procedures of the university.

The workshop was attended by Dr. Melbourne R. Talactac, vice president for Research and Extension, Dr. Miriam D. Baltazar, director of the Research Center, and the regular board members and community representatives, led by Prof. Karen Louela Rint-Herrera, chair of the ERB.

The invited facilitators were Dr. Sonia E. Bongala and Dr. Rhodora C. Estacio. Topics discussed were the PHREB accreditation policies, revisiting the review and after review process, and the common problems in the development of SOPs.

Additionally, the participants were divided into groups to work on revisions and improvements of the university's SOP on the conduct of ethical research after the discussions. The workshop's outputs were presented on the second day and suggestions were incorporated in accordance with the PHREB requirements. As a result, ERB members received the necessary training to create its standard operating procedures.

The ERB members were able to improve their existing SOPs in accordance with the PHREB standards.
Engr. Sheryl D. Fenol, faculty of the Cavite State University (CvSU), presented the Technology on Kaong Activated Carbon during the 1st regional pitch fest facilitated by the Southern Tagalog Agriculture, Aquatic, and Resources Research Development and Extension Consortium (STAARRDEC). The activity was held during the celebration of the 35th Anniversary of STAARRDEC last May 3 at the International Convention Center, CvSU.

Technology on Kaong Activated Carbon was authored by Engr. Fenol, Dr. Lorenzo C. Lapitan, Jr., Mr. Jhon Laurence B. Herrera, and Mr. Daniel Zarene P. Mojica. Based on their research, with a surface area of 2,000 to 3,000 m²/g, activated carbon from Kaong husks and fiber can compete with commercially available activated carbon with a surface area of 900 – 2,000 m²/g.

In addition, activated carbon produced from Kaong fiber and husks has 0% moisture and yields no oil in water. This makes activated carbon a useful material for air and water filters.

This entry was among the 11 technologies that were pitched in by different universities and government institutions from the Southern Tagalog region.

Other technologies presented were the following: Engineered Bamboo and Steel Student Desks and Chairs of the Romblon State University; Pepper Threshing Machine of the Technological University of the Philippines; Wastewater Treatment Equipment for Wet-Type Finishing Spray Booth of the Forest Products Research and Development Institute; BioCoatZ of the De La Salle University –Laguna Campus; Powdered Trichantera of the University of the Rizal System; Cassava Starch Potassium Sorbate (CSPS) Coating of the University of the Philippines Los Baños; Organic Margarine of the Batangas State University; Processing of Indigenous Fruits of the Laguna State Polytechnic College; Nipa Palm Sugar of the Southern Luzon State University, and Vacuum-Fried Chicken Ilsaw of the Western Philippines University.

Aside from the technology pitches, posters of the technologies were also showcased in the exhibit.

(From left-right) For. Junser P. Magpantay, director of SPRINT Center, Engr. Sheryl D. Fenol, and Mr. Jhon Laurence B. Herrera authors of the Technology on Kaong Activated Carbon, take a pose on their poster during the the 1st regional pitch fest.
CvSU-CCC’s NSTP Unit, San Roque Medical Clinic raise Breast Cancer Awareness
by King David J. Agreda

San Roque Medical Clinic, in partnership with Cavite State University-Cavite City Campus (CvSU-CCC) and the National Service Training Program (NSTP) unit headed by Ms. Jane F. Cortez, campus nurse of CvSU-CCC, together with her NSTP class, conducted the “Breast Health is Women’s Health Program”, which aimed to provide free breast exams and screenings and promote breast health awareness among women last April 29 at Barangay San Antonio I, Noveleta, Cavite.

During the seminar, Dr. Josan Jan Rodriguez-Pataunia, health officer of Cavite City, discussed women's essential health, emphasizing the importance of checking breast cancer symptoms and understanding the Philippine situation of breast cancer as the third leading cause of death among Filipino women.

The participants were officials and residents of the said barangay. The NSTP students from the Bachelor of Science in Information Technology (BSIT) provided valuable insights on the topic and highlighted healthy lifestyle practices that women may adopt to maintain their breast health, including regular exercise, a balanced diet, and avoidance of harmful substances such as tobacco.

After the session, the San Roque Medical Clinic medical professionals provided free breast checks and screenings to the attendees. These procedures consisted of checking for lumps or other abnormalities in the breast tissue and assessing the patient's general breast health.

The program continuously serves as a reminder that early detection and prevention are crucial to fighting the disease.

RAISE IV enriches consortium members' capacity for technology promotion
by Rhuzel Leinster Dean J. Julian

The Regional Agri-Aqua Innovation System Enhancement (RAISE) Program in Region IV, through its Project 4: Enriching Knowledge Management Among Member Institutions of the Southern Tagalog and Agriculture, Aquatic and Resources Research, Extension and Development Institution (STAARRDEC), organized the ENhancement of Regional Information and Communication Highways (ENRICH) virtual workshop last April 27, 28, and May 3 via Zoom and Facebook Live.

ENRICH is a three-day webinar/workshop primarily aimed at replicating the success of DOST-PCAARRD’s 2022 mentorship series. RAISE IV designed a workshop facilitated by the graduates of the Technology Promotion Mentorship Series, Technology Commercialization Mentorship Series, Agri-Business Masterclass, and Intellectual Property Masterclass.

The first session was launched on April 27 titled "Preparing Your Pitch Deck" and discussed by Engr. Gee Jay C. Bartolome while the second session titled "IEC Development: Technology Poster" was held on April 28 and presented by Prof. Ruby A. Manaig. Additionally, Dr. Rowena R. Noceda and Prof. Princess R. Baybay talked about "Financial Feasibility for Technology Pitching".

The topics were tailored to prepare the participants for the live technology pitching and poster exhibit during the celebration of the 35th STAARRDEC Anniversary and the 1st Regional Technology Pitch Fest on May 3.
Mr. Angelbert D. Cortes, faculty of the College of Arts and Sciences-Department of Biological Sciences (CAS-DBS), bagged the Best Paper Award under the Agricultural and Life Sciences category during the Faculty Research Congress, conducted by the Philippine Consortium for Science, Mathematics, and Technology (PCSMT) Inc. last April 19-21 at Ilocos Sur Polytechnic State College.

The research congress offered academicians, scientists, and researchers from its 37 member institutions a chance to present their scholarly research outputs. Two faculty of the CAS-DBS attended the said congress. They were Asst. Prof. Ma. Veronica P. Peñaflorida, director of the International and Local Collaborations and Linkages Office (ILCLO), who served as the moderator of the said category, and Mr. Cortes who presented their research findings about the potential use of plant growth-promoting rhizobacteria, associated with the coffee rhizosphere, as a biofertilizer to improve the growth and development of coffee plants in the Philippines. This study, funded by the CRG-Small Scale, was conducted together with Mr. Glenn Vince D. Navarro, Mr. Garrison A. Maghanoy, and Ms. Daisyree D. Quirong, his thesis advisees, under the BS Biology major in Microbiology program.

Five parallel sessions of research presentations were evaluated under the fields of Agricultural and Life Sciences, Pure and Applied Mathematics, Science and Mathematics Education, and Technology, Engineering and Innovations.

The presentation of Mr. Cortes was among the 13 research papers in the same category presented by faculty researchers from different SUCs.

Dr. Teddy F. Tepora, program leader of RAISE I, encouraged the participants, in his opening remarks, to take the series as a refresher and an update for the four masterclasses by PCAARRD.

Another webinar titled "Communication Action Planning" was discussed by Prof. Lisette D. Mendoza on May 5. The session was able to prepare the participants for the implementation and promotion of their agri-aqua-related technologies and projects. All sessions were indeed successful.
The Sugar Palm Research, Information, and Trade (SPRINT) Center conducted a Strategic Planning for 2023–2028 and Stakeholders Consultation Meeting last April 20 at S.M. Rolle Hall, Cavite State University (CvSU)-Don Severino de las Alas Campus, Indang, Cavite.

The aforementioned activities sought to develop the SPRINT Center's mission, vision, and roadmap for 2023–2028; organize gender responsive strategic planning for 2023–2028; frame the operational plan for 2023; finalize the official list of the center's research and extension team; evaluate the identified and designated thematic areas of research, and conduct a stakeholders' consultation meeting.

Various individuals, groups, and organizations attended the event including the SPRINT Center's Research and Extension (R&E) team, barangay officials, kaong farmers, traders and processors from Alulod, Kayquit II, Kayquit III, Daine I, Daine II, Tambo Malaki, Guyam Munti, Magallanes Business Owners Credit Cooperative, Queentown Farm, the Department of Tourism, the Municipal Agriculture Office, the Office of Councilor Nilo Telmo, the Barangay Captains Association, the Provincial Government, the Environment and Natural Resources Office, the Department of Science and Technology, the Department of Trade and Industry and the Office of the Provincial Agriculture in Cavite, and the CvSU students. For. Junser P. Magpantay, director of the SPRINT Center, delivered the welcome remarks.

Following the introduction of the participants, which was delivered by Mr. Alfie Carl A. Battung, research assistant of the SPRINT Center, For. Magpantay introduced the SPRINT Center personnel and the SPRINT R&E team. Resource persons were invited to facilitate a series of discussions. Mr. King David J. Agreda, faculty of the CvSU-Cavite City Campus, presented "Gender Responsive Strategic Planning", while Dr. Ruel M. Mojica, faculty of the College of Engineering and Information Technology, crafted the SPRINT Center’s vision, mission, and road map. Finally, For. Magpantay conducted the Community Needs Assessment and delivered his closing remarks after the certificates of participation were distributed to the attendees.
DIT-CvSU-CCC celebrates JPCS’ 19th Anniversary
by King David J. Agreda

The Department of Information Technology (DIT) and the Junior Philippine Computer Society (JPCS) of the Cavite State University-CCC (CvSU-CCC) celebrated the 19th founding anniversary of the campus with the theme "Technology is for PEOPLE: Enabling the power of Technology for Sustainable Community Development" last April 13 and 14.

Ms. Erica R. Dela Cruz, president of JPCS and Mr. King David J. Agreda, adviser, along with all faculty of the department and the JPCS officers, spearheaded the program.

The activity aimed to improve relationships among the participating students while upholding the school's mission to provide information technology development opportunities. Additionally, it was conducted to organize yearly events on programming that would help college students advance their programming abilities.

On the first day of the event, various computer-related programs such as Hackathon-Technology Pitching, Programming and Computer Quizbee, Digital Poster Making, Techno Essay, and E-Games were held. The second day was divided into a seminar that thoroughly discussed the importance of Python Programming with Mr. Joemer C. Castillo, a master class certified for Python Programming, as the speaker. In the afternoon, the fifth season of CvSU-CCC Tawag ng Tanghalan was held, followed by Mr. and Ms. JPCS 2023.

Winners in different events were announced. Mr. Lennerson Baloy (CS4A) won in the Programming and Computer Quizbee. Ms. Sofia Rose Naval (BSIT1B) and Mr. Gideon Advincula (BSIT3B) won in the Digital Poster Making. Ms. Abegail Jane S. Montejo (BSIT1C) was hailed winner in the Techno Essay Writing Contest while Team Balakubak (BSIT 3C) was hailed winners in the Mobile Legend competition. Panic at the Sisco won in the competition on Valorant while the IT4E team won in the Hackathon competition. Lastly, Chiella Jhosa Magdayao (CS2A) was hailed winner in the Tawag ng Tanghalan.

With the program’s success, the DIT and JPCS continue to promote the importance of technology and its power in sustainable community development.
The Department of Science and Technology-Forest Products Research Institute (DOST-FPRDI) visited the Sugar Palm Research, Information, and Trade (SPRINT) Center to harvest nine (9) senile *kaong* trees within the premises of Cavite State University (CvSU)-Don Severino de las Alas Campus, Indang, Cavite last April 12-14. DOST-FPRDI transported the harvested senile *kaong* trees to their research facility at Los Baños, Laguna, which would serve as research materials for the project titled, “Development of High-Value Products Derived from Senile Sugar Palms (*Arenga pinnata*).” This primarily aimed to utilize and develop functional and appealing products from the trunk of a senile sugar palm.

Furthermore, the Memorandum of Agreement between the SPRINT Center and DOST-FPRDI is currently in process for the enactment of the above-mentioned project.

The Department of Biological Sciences (DBS) successfully conducted this year’s BioResearch Forum with the theme “Optimizing the Research Capabilities of DBS Faculty and Students” last April 12 at the SM Rolle Hall, Cavite State University (CvSU).

This activity aimed to allow the Bachelor of Science in Biology students to choose research paths and potential thesis advisers. The forum provided the BS Biology students with basic knowledge regarding the research records and interests of the DBS faculty members, helping them craft their respective thesis proposals.

The regular faculty members of DBS accommodated the students during the open forum after their talks. The activity was participated in by 106 third year BS Biology students who are currently taking Biological Research Methods and working on their research proposal topics.
The Gender and Development Resource Center (GADRC) sponsored a webinar titled "Single Parents 101: Single Parent and Positive Parenting" for academic and non-academic personnel, students, parents, and external clients last April 4 via Zoom and Facebook Live.

GADRC initiated the event as part of its continuous campaign for inclusive awareness through concise discussion of laws and programs that single parents might not be familiar with, while supporting their mental health welfare with adaptive mechanisms and parenting advice.

Dr. Susan G. Tan, director of GADRC, officially commenced the program with a message from Dr. Hernando D. Robles, university president. Ms. Janeal Krayjn Rebustazo, training coordinator of GADRC, presented the program’s objectives, activities, and house rules.

Ms. Daryly R. Avila, an active social worker and a faculty of the College of Arts and Sciences (CAS), discussed the Expanded Solo Parent’s Welfare Act or Republic Act No. 11861, clarifying the main points and common causes of confusion for people.

Meanwhile, Mr. Gino A. Cabrera, assistant professor of the Southern Luzon State University (SLSU) and head of Career and Job Placement Services and Student Discipline Office, delivered the topic titled “Emotional and Mental Health Balance for the Solo Parent” and introduced the concept of ‘work-life integration’.

Ms. Danielle G. Saique, desk officer of Violence Against Women and their Children (VAWC) and registered social worker of San Lorenzo Ruiz I, Dasmariñas City, ended the webinar proper with her discussion about Positive Solo Parenting, with tips outlined in the United Nations Children’s Fund (UNICEF)’s campaign for solo parents.

Mr. Leonard V. Paunil, in-charge of the ceremonies, accommodated a few questions from the attendees before awarding the certificates of appreciation to the resource speakers. Dr. Camilo A. Polinga, vice president for Administrative and Support Services, gave his closing remarks and concluded the webinar by reminding the participants to complete the evaluation form before receiving their electronic-Certificate of Attendance.
CvSU-Carmona conducts training on Barista and Bread and Pastry Production
by Dan Louise Christian D. Ardemer

In January 2023, Ms. Janine B. Bacosmo, extension services coordinator of CvSU-Carmona Campus, and Dr. Gretchen Macaranas, department extension coordinator, promptly responded to Ms. Rosebelle L. Mercurio, department head of the Persons with Disabilities Affairs Office (PDAO)-Carmona, who officially requested assistance for staff training on the barista, bread and pastry production, marketing strategies, hospitality management training, and soft skills.

The first week of training was held from February 13 to 16, 2023. The said training focused on Bread and Pastry production headed by Prof. Joan L. Fortuna and Mr. Marvin D. Sibucao, who were assisted by Mr. Dan Louise D. Ardemer, Ms. Jenelyn Ybanez, and Dr. Gretchen Macaranas. The training continued until March 6 to 8, 2023 when Mr. Klentor Torrevillas and Mr. Nathaniel Tolentino led the barista training. They developed a training manual that concentrated on visual media to help trainees understand the instructions.

The said specialized modules are ongoing studies not only for PDAO-Carmona but for a wider audience. The trainees were later part of the first-ever disability-inclusive store in Carmona, Cavite, the DEAFinitely HAPPY Store.