

RISE

The Official Newsletter of the BASC Research, Extension, Production and Development Office

BASC holds inaugural international forum

Republic of the Philippines
BULACAN AGRICULTURAL STATE COLLEGE
Research, Extension, Production and Development



*"Fostering Adaptability and Excellence in
Research and Innovation Amidst the Pandemic"*
DECEMBER 15, 2021 | VIRTUAL CONFERENCING

KEYNOTE SPEAKERS

DR. GLENN B. GREGORIO
Director
Southeast Asian Regional Center
for Graduate Study and Research in Agriculture

H.E. DR. TOUCH VISALSOK
Secretary of State
Ministry of Education, Youth and Sport
Kingdom of Cambodia

PLENARY SPEAKERS

DR. TIAN XIAOHONG
Dean
College of Natural Resources and Environment
Northwest A&F University
People's Republic of China

DR. GUNDRE JAYACHANDRA REDDY
Director
UGC Center for Southeast Asian and Pacific Studies
Sri Venkateswara University
Union of India

DR. LIANG YAN
Professor of Vegetable
College of Horticulture
Northwest A&F University
People's Republic of China

The Bulacan Agricultural State College – Research, Extension, Production and Development (BASC-REPD) Office successfully conducted its first International Research Conference with the theme, "Fostering Adaptability and Excellence in Research and Innovation Amidst the Pandemic" on

December 15, 2021.

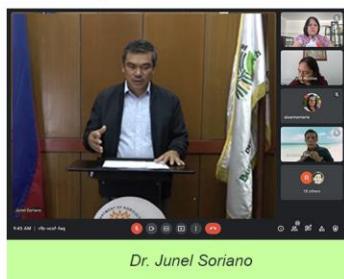
The keynote speakers were Dr. Glenn B. Gregorio, Director of the Southeast Asian Regional Center for Graduate Study and Research in Agriculture (SEARCA), and Dr. Touch Visalsok, the Secretary of State for the Ministry of Education, Youth and Sport

from the Kingdom of Cambodia. Dr. Gregorio expounded on the conference theme, citing the need to redefine agricultural systems as food systems, and the need for universities to produce graduates with a transformative mindset, who are adept in understanding the growing complex social

concerns. Dr. Visalsok shared on the topic "Development of Bio-Green Fertilizer as a Potential New Driver for Crop Productivity Improvement in Cambodia."

The plenary speakers were Dr. Tian Xiaohong and Dr. Liang Yan from Northwest A & F University China, and Dr. Gundre >>PAGE | 11

DA, TAU execs grace FRC project's virtual inception meeting



Dr. Junel Soriano



Dr. Rene Santiago



Dr. Ma. Asuncion Beltran

In a virtual inception meeting and project launching on December 9, 2021, some officials from line agencies of the Department of Agriculture and from Tarlac Agricultural University showed their full support to the project "Establishing a Viable Enterprise Using Free

Range Chicken Production Technology in Bulacan." Dr. Junel B. Soriano, Executive Director of the DA-Bureau of Agricultural Research (DA-BAR), discussed some issues that can be addressed by the project for the sake of free-range chicken (FRC) farmers, including diseases

and lower productivity and income compared to caged chicken. He stressed that DA-BAR will improve processes to get more outputs and outcomes from funded research, development and extension (RDE) projects. Dr. Soriano reiterated that the bureau

supports upscaling of technologies and expediting the sharing of these technologies toward commercialization and utilization by farmers. He also pledged that they will monitor the project diligently according to the approved proposal.

Dr. Rene Santiago, the Assistant Director of the DA-Bureau of Animal Industry (DA-BAI) for Production and Research, stated that DA-BAI will continue to assist BASC in its animal projects, since Bulacan province continues to have high performance and >>PAGE | 6



4K program launches FLS training on rabbit

The “Karne ng Kuneho para sa Kalusugan at Kabuhayan” (4K) Program held its first training under the Farmer Livestock School on Rabbit Enterprise Management (FLS-REM) Project on Dec. 10, 2021 at the Farmers’ Training Center.

The training focused on basic rabbit production, with current and prospective rabbit farmers, and agricultural extension workers as participants from the three partner LGUs of the program. These are the municipalities of San

Ildefonso, San Miguel, and San Rafael, Bulacan. The resource person was no less than Mr. Artemio C. Veneracion, Jr., the President of the Association of Rabbit Meat Producers, Inc. (ARaMP).

Dr. Cecilia S. Santiago, VP-Academic Affairs and a member of the 4K team, gave the welcome remarks to the participants, and told the story of the origins of rabbit as a commodity in BASC. Dr. Jameson H. Tan, BASC President, gave an inspirational message, and

expressed the strong will of BASC to put up a rabbit research center for the benefit of the industry. Dr. Honeylet J. Nicolas, the 4K Program Leader, gave an overview of the training as well as other components of the program and what more to expect in the coming months of program implementation. These include other trainings on rabbit production as part of FLS-REM, as well as distribution of rabbit breeders for willing and selected beneficiaries based on

certain criteria.

The training proper on various aspects of basic rabbit production followed, and the participants were awarded with their certificates and tokens of 4K mugs. As part of the promotional materials, participants were also given 4K shirts, and were asked to wear these often to help promote rabbit meat. Dr. Imee Esguerra, Extension Office Director, commended the program team and thanked the participants in her closing remarks.



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Extension Office spearheads 21 trainings/seminars in 4Q 2021

A total of 21 trainings initiated by the different institutes and units of the College supervised by the Extension Office were conducted this 4th quarter of 2021.

The extension project Going Back to Basic: Plant, Raise & Sustain the Chemical Pesticide-Free Integrated Backyard under the Institute of Management continuously promoted pesticide-free integrated farming system in their trainings on Chemical Pesticide-Free Integrated Backyard Farming

held on October 8, 27 and December 16, 2021.

The College of Agriculture has extended their knowledge in their series of trainings on Processing and Value Adding of Organic Commodities conducted last November 16, 17, 18, December 1, 2, and 16, 2021 and training on Establishment and Commercialization of Organic Commodities held last November 23, December 9, 14 and 15, 2021 through the extension project Strengthening the Production and

Marketing Systems of Organically Produced Commodities in Region 3. In addition, Karne ng Kuneho para sa Kalusugan at Kabuhayan (4K program) conducted the training on Farmer Livestock School on Rabbit Enterprise Management (FLS-REM) last December 10, 2021.

The Institute of Arts and Sciences conducted the training on Stress and Anger Management last November 19, 2021; the 18-day Campaign to End Violence Against Women and

Children Kick-Off and RA 9262 Webinar, last November 25, 2021; GAD Training of Trainers, last Decembers 1,2 and 6, 2021, and the 18-day Campaign to End Violence Against Women and Children Closing Program - RA 9851 held on December 10, 2021.

More so, the Extension Office conducted the training on Capacitating Faculty/Staff Extensionists to Cope with the New Normal last November 22, 2021.





Two faculty-researchers bag 2nd place in the BASC's int'l confab




The recently concluded BASC International Research Conference awarded six presenters as Best Paper winners. In this roster of winners, two BASC faculty researchers successfully placed as Best Paper awardees for the two categories of the said conference.

Engr. Myrtel S. Bernardo's paper entitled "Development of Artificial Intelligence Algorithm for SMART Irrigation using Internet of Things (IoT): A BASC Automated System for Improved Agricultural Irrigation" from the Institute of Engineering and Applied Technology (IEAT) bagged the 2nd Best Paper award under the Agricultural and Environmental Research Category. Likewise the paper entitled "Awareness on Knowledge Shared and the Perception and Attitude of BASC Employees

using Computer-Mediated Communication" by Ms. Nikki Ann V. Macabontoc, a faculty-researcher from the Institute of Arts and Sciences (IAS) also won 2nd Best Paper award for the Education and Social Research Category.

In addition, two faculty researchers with papers entitled "Is Academic Self-Efficacy Enough to Activate Instrument Peer Help-Seeking" by Mr. Raymon Española, and "Students' Attitude towards Science on the Use of Modular Learning" by Mr. Mauricio Adlaon, both from Surigao State College of Technology, one of the participating SUCs in the conference, placed as 1st and 3rd Best Paper under the Education and Social Research Category, respectively.

Moreover, the pride of the Nueva

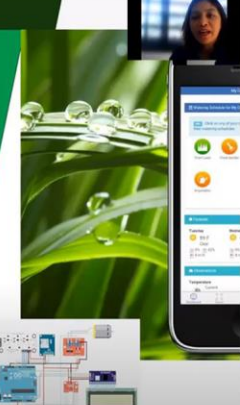



Bulacan Agricultural State College
Pinarod, San Isidro, Bulacan
Philippines 3010

Development of Artificial intelligence (AI) algorithm for Smart Irrigation using Internet of Things (IoT)

(A BASC Automated System for Improved Agricultural Irrigation)

Myrtel S. Bernardo
Jermyn G. Evangelista
Shiela Marie F. Gatchalian
Rael Tejada





AWARENESS ON KNOWLEDGE SHARED AND THE PERCEPTION AND ATTITUDE OF BASC EMPLOYEES USING COMPUTER-MEDIATED COMMUNICATION DURING THE COVID-19 PANDEMIC

PRESENTED BY:
NIKKI ANN V. MACABONTOC

Hipolito presents research findings in PHA confab

The Philippine Historical Association (PHA) conducted the 2021 version of their Annual Conference on October 28-30, 2021 with the theme, "Bayanihan at Pakikipagkapwa-Tao: Empathy, Resilience and Humanity in Philippine History".

On the said conference,

Mr. Yosef Eric C. Hipolito, a History Instructor from the Institute of Arts and Sciences, became part of the roll of resource speakers from the religious history category who presented his research paper entitled "Life of Eusebio Roque as a religious and revolutionary

man".

The conference as a capacity building event for research, aimed to promote collective historical awareness and consciousness, serve as an outlet of cutting-edge historical research, enrich historical research and education, serve as a venue for linkages and cooperation among historians and professional of allied fields and make historical research relevant to contemporary times.

This event was part of the commemorative milestones of the country coincide with the 500th anniversary of

Lapulapu's Victory at Mactan, the Philippine part of Ferdinand Magellan's first circumnavigation of the world, and other related events collectively known as the "2021 Quincentennial Commemorations in the Philippines" (2021 QCP). In consonance, the event was held via Zoom platform due to the COVID-19 pandemic and considered as the association's second annual conference that was held virtually and streamed live thru Facebook page of the Philippine Historical Association the same with what happened in 2020.



BPSU, NEUST researches lauded as best papers in 5th BASC RRDC



A total of 15 papers in two categories, coming from five SUCs in Region 3, were presented during the virtual 5th BASC Regional Research Conference on Oct. 6, 2021. There were seven papers in Agriculture and Environment, and eight papers in Education and Social Sciences Category.

The top three papers in Agriculture category were "Socio - Ecological System Assessment for Conservation Planning in Riverine and Mangrove Fishery Areas in Bataan, Philippines" presented by Mark Nell S. Corpuz; "Development and Evaluation of Food Products

Incorporated with Carabao Mango (*Mangifera indica* L.) Pulp Powder" presented by Alvin James V. Gonzales; and "Embracing the New: Factors Influencing the Adoption of Sustainable Farming Technology in Mango Farm Cooperators of Bataan" presented by Dr. Leslie R. Jorge-Acain. They all came from Bataan Peninsula State University.

In the Education and Social Research category, on the other hand, the best paper was "Assessment of Shared Service Facilities (SSF) Cooperators Based on MC Kinsey's 7S: Basis for Development Plan" presented

by Dr. Fhriss S. De Jesus from Nueva Ecija University of Science and Technology, while the top 2 and top 3 were from BASC with the titles "Lived Experiences Among BASC-ESGPPA Graduates" presented by Ms. Eiffel S. Nunez, and "Balancing the Imbalance: BASC Gender-Responsive Work-Life Balance Program Phase 1" presented by Dr. Billy Joe V. Villena.

Three high-calibre researchers served as evaluators during the conference, all of them having vast background in agriculture and multidisciplinary R&D, and with national and international

publications. They were Dr. Francisco Esponilla III from Technological University of the Philippines, Dr. Rachel Moralde from Nueva Ecija University of Science and Technology, and Dr. Ma. Teresa S.J. Valdez from Tarlac Agricultural University. Aside from giving objective ratings on the presentations, they also shared valuable insights to the participants on how they can improve their research outputs, as well as make them more utilized in terms of publication, commercialization, and achieving intellectual property registrations.

REPD Council approves 11 RDE proposals in 4Q meeting

The REPD Council held its 4th Quarter Meeting on December 7, 2021 at the BASC Administration Building Conference Room. Dr. Jameson H. Tan, College President, presided the meeting and the approval of agenda of the meeting.

Also present during the council meeting were Dr. Susan C. Santos, VP-REPD; Dr. Cecilia S. Santiago, VP-AA; Dr. Ronald Reagan T. Alonzo, VP-AFBA;

Dr. Honeylet J. Nicolas, Research Director; Dr. Imee D. Esguerra, Extension Director, and Engr. Joselito

Tucit, Intellectual Property Director, which all composed the REPD Council.

Part of the agenda was the approval of the new research and extension project proposals which were previously evaluated by the TWG members. Eleven proposals were approved for internal funding of the College, subject to revision based on the comments and suggestions made by the council members. Out of these 11 proposals, eight were research studies, while three were extension projects.

REPD officials also presented the revisions for the REPD Operations Manual. Dr. Santos, VP-REPD presented the proposed guidelines for awards and incentives, Dr. Nicolas and Dr. Esguerra presented the research and extension operation

respectively, while Engr. Tucit was tasked to present the proposed guidelines for Intellectual Property.

Dr. Tan, together with the other members of the council, approved the proposed revisions for the manual.



PAFES team shares results to Bulacan LGUs

The team of the Province-led Agriculture and Fishery Extension Services (PAFES) project titled "Assessment of the Resources and Capabilities of the Local Government Units (LGUs) in providing Agriculture and Fisheries (AF) Extension Services" shared their results to the different stakeholders, mostly coming from agriculture offices of Bulacan LGUs at the Farmer's Training Center of BASC on December 14, 2021.

The project mainly aimed to provide a landscape of the current design and implementation of the agriculture and

fishery (AF) extension services in the province in relation to current resources of the LGUs. The results will be useful in crafting a comprehensive plan for the implementation of PAFES in 2022, which is part of the Mandanas-Garcia ruling.

Dr. Imee D. Esguerra, Extension Director and project leader, presented the results of the study which highlighted the heavy reliance of Bulacan LGUs on grants and assistance given by the Department of Agriculture (DA) offices, its bureaus, attached agencies and attached corporations; low budget allotment

of majority of the LGUs to AF sector; job mismatch, insufficient number and expertise of existing human resources; and consultative in nature planning process for AF sector.

Dr. Arthur D. Dayrit from DA-Regional Field Office 3 (DA-RFO 3), Mrs. Ma. Gloria SF. Carillo, Provincial Agriculturist of Bulacan, Engr. Agapito T. Pascual, Municipal Agriculturist of Norzagaray and President of League of Municipal and City Agriculturists in the Philippines-Bulacan Chapter, Bureau of Fisheries and Aquatic Resources personnel, BFAR representatives,

farmers and fisherfolk leaders, and other Agriculture Office personnel have participated in the said activity. They also gave their comments and suggestions on the report presented to further improve its content.

Dr. Jameson H. Tan, SUC President III also graced the activity and delivered his welcome address, while Dr. Susan C. Santos, VP REPD and also one of the project members, ended the program with her closing remarks. Other members of the project team were also present during the event.



DA, TAU execs grace FRC project's... >> FROM PAGE 1

potential for livestock and poultry farming. He also explained that state universities and colleges (SUCs) contribute to the animal industry through data gathering and analysis, and giving recommendations toward better productivity in the sector. He also surfaced some concerns on FRC such as feeds and feeding, and the sustainability of stocks.

Dr. Ma. Asuncion G. Beltran, Vice President for Research and Extension of Tarlac Agricultural University (TAU), gave the advantages of rearing FRC, especially for

women. She gave advice on stock selection and procurement, farm biosecurity, project management, and animal distribution protocols. Dr. Beltran leads the FRC project in TAU, which started in 2014, and which served as the model RDE project that encouraged other SUCs to venture in a similar project for funding by DA. Aside from BASC, several institutions in Luzon are also grant recipients of an FRC enterprise development project, including Isabela State University, Pampanga State Agricultural University, and Bataan Penin-

sula State University.

The highlights of the program were the "project overview," discussed by Dr. Honeylet J. Nicolas, lead proponent of the project and project member, and the "project updates," discussed by the project leader, Mrs. Joanna Marie S. Bradecina.

Other stakeholders also attended the virtual inception meeting. Representing the Municipal Agriculture Office of San Ildefonso, Bulacan, was Dr. Colin Arroyo, the office's veterinarian. She expressed gratitude to BASC for the projects that benefit the farmers of the municipality.

Ms. Glacelle Alyne Malinao of DA-BAR discussed some formats and schedules on project reporting. BASC officials were also present in the ceremony, including the President, Dr. Jameson H. Tan, who expressed his appreciation to the different agencies for continuously trusting BASC, and vowed for full support and cooperation from the BASC administration. The College's Accountant, Mrs. Dolores Bersamina, and Budget Officer, Mrs. Marita De Guzman, were also present. The Extension Director, Dr. Imee Esguerra, also expressed full support from the REPD Office for the project.

BASC'S FORMER VP-RET IS NOW DA-BAR DIRECTOR



The newly appointed Executive Director of the Department of Agriculture – Bureau of Agricultural Research (DA-BAR), Dr. Junnel B. Soriano has served Bulacan Agricultural State College for a decade and has been an invaluable part of the College. He joined BASC in 2003, holding various positions in the Research, Extension and Training (RET) Office.

He started by teaching and doing researches for more than two years. In 2006, he was granted a full time three-year scholarship program by BASC with the support of IRRI to pursue his doctorate degree in agricultural engineering at Central Luzon State University. He was also elected as President of the BASC Faculty and Employees Association (BASCFEA), and was requested to manage the BASC-IRRI Aerobic Rice Project before he was appointed as Director for RET in 2007 while completing his dissertation in CLSU.

After his designation as the Director for RET, he was selected to be the Vice President for RET in 2010-2012. He left the College in 2012 when he became a visiting scientist at the International Crop Research Institute for Semi-Arid Tropics (ICRISAT) in Telangana State, India.

As proof of his excellent work, he won various awards during his service in the College. He bagged the 2nd Best Research Paper given by Philippine Council for Agriculture, Aquatic, Forestry & Natural Resources Research and Development (PCAARRD) in 2007 for the project entitled "Aerobic Rice Technology in Rainfed Areas of Bulacan: R&D Project," and 2nd Best Research Program in Region III (Aerobic Rice R&D Program) given by CHED-Region III in 2011.

As he has been at the forefront in the implementation of the BASC-IRRI Aerobic Rice Project, he initiated the development and promotion of aerobic rice technology in the Philippines in partnership with various stakeholders, including other SUCs like the Isabela State University. His group received the 2011 PAGASA National Award-Group Category for the Program entitled "Aerobic Rice RDE Program" given by Civil Service Commission (CSC).

In his stay at the RET office, Dr. Soriano has shown initiative in the performance of his duties, even going above and beyond of what is expected of him in order to deliver the expected outputs. He prioritized the formulation

of the research and extension agenda of the College, and spearheaded resource generation projects which reached to almost Php 30 million within the last five years of his service in BASC.

In addition, he initiated the development of policies and guidelines related to RET matters such as awards for faculty, students and farmers, resource generation and utilization, developing proposals, strategic program implementation, intellectual property rights, human resource development, mentoring, and faculty-student-farmer partnership. Due to his leadership, the RDE agenda, and policies and guidelines were all documented and published in 2009, revising the RET Manual.

During the virtual inception meeting of the free range chicken project on December 9, 2021 which was funded by DA-ACEF and being monitored by the DA-BAR, Dr. Soriano encouraged BASC to continue the aerobic rice technology (ART) program in Bulacan and to expand to other rainfed areas of the country. He emphasized that the Bureau will continue to support BASC and other SUCs on worthwhile projects that will benefit the farmers, particularly those that will support DA's slogan, "Mataas na ani, malaking kita."



Photo from the Office of the Director - DA Bureau of Agricultural Research

REPD FAMILY BIDS FAREWELL TO DR. SUSAN SANTOS



“Age is just a number, but retirement is one of the greatest gifts to mankind.”

The REPD family threw a surprise farewell party to Dr. Susan C. Santos last December 20, 2021, as she spent her last days reporting as Vice President for REPD. Dr. Santos, elated at the party, gave her speech by thanking everyone at REPD who became an instrument on her successful management since she was assigned at the office starting 2019 up to 2021.

“Sobrang fulfilling na makita lahat ng pinaghirapan ko, at lahat ng initiatives ko para sa REPD ay nagbunga na. Salamat sa mga taon na nagkasama sama tayo sa trabaho”, she said.

In return, the three directors, Dr. Nicolas, Dr. Esguerra and Engr. Tucit, also gave

their farewell and thank you messages to Dr. Santos.

As part of the farewell party, a video presentation, collated and prepared by Ms. Ashlee Viagedor, was also played, showing some of Dr. Santos’ photos at the REPD office and photos with her family.

Dr. Santos started her career at the College as the Director for Research, Extension and Training (RET) Office from 1999-2007 and Editor in Chief of the BASC Research Journal from 2003-2011. She also served as the Dean of the Institute of Graduate Studies and subsequently, Vice President of REPD in 2019-2021, under the administration of Dr. Jameson H. Tan.

In 1999-2007, Dr. Santos as Director of RET created the first version of the BASC Research, Extension, and Training Manual, and organized the first BASC Agency In-House Review in 2002. Linkages with various government agencies have been established, including the Department of Agriculture-Regional Field Office 3 (DA-RFO 3), Department of Science and Technology (DOST), National Economic and Development Authority-Region 3 (NEDA 3), Department of Agrarian Reform (DAR) Region 3, DAR Bulacan, and Philip-

pine Rice Research Institute (PhilRice). Linkages were also made with Japan Bank International Cooperation, different state universities and colleges (SUCs), Provincial Government of Bulacan (PGB), and municipal LGUs in Bulacan. These linkages gave rise to the implementation of different agricultural projects and the establishment of the Tissue Culture Laboratory, Scion Grove, High-Value Crops Trading Center, Green Houses, Hydroponics System, and Mushroom Production, which aimed for the development of technologies for dissemination to farmers in the province.

Under her leadership as VP-REPD in 2019-2021, the REPD office established processes and procedures aligned with ISO 9001-2015, the REPD building was refurbished, the peri-urban garden was established, and a separate office for the Director of Intellectual Property was installed. Increased percentage of faculty involvement in research and extension activities, resource generation, and completed RDE projects and studies were also noted during her term.

Truly Dr. Santos is a woman endowed with great leadership and management skills.

For the love of GAD: BASC breeds a pool of resource speakers

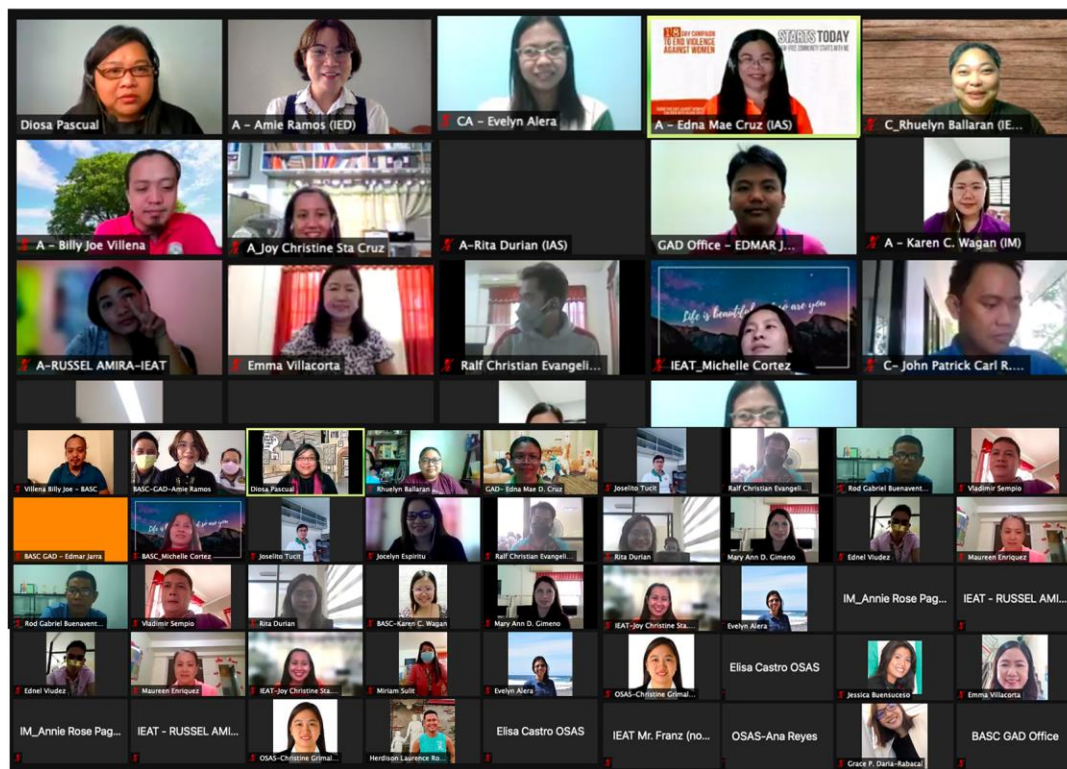
With the continuous efforts of the BASC GAD Office to better serve the college and the community, a 4-day Training of Trainers was conducted on December 1-3 & 6, 2021 via Zoom Conference.

The said training was aimed at providing all the participants with an understanding and appreciation of the roles of GAD trainers; planning, conducting, and evaluating appropriate gender training from various available training methods and models; being leveled off on the core GAD messages of basic GAD training; applying learning by formulating a GAD design based on prescribed format and context; and analyzing typical questions, issues, and problems that arise during gender training and identifying possible solutions.

It was spearheaded by Ms. Arlene I. Pascual, Supervising Administrative Officer, GAD Focal Person, and Center for Human Rights Education Director at Bataan Peninsula State University. She is a member of the Philippine Commission on Women's National GAD Resource Pool and has extended her technical expertise to the 33 trainees, comprising of 22 female and 11 male faculty and staff.

Day 1 of the training covered a variety of topics, ranging from the GAD Trainer, education philosophy and learning principles, all the way to managing the learning process. The trainees were very eager and participative during the session.

On Day 2, Gender Sensi-



tivity Training core messages were explained. Also, gender analysis and GAD tools were given emphasis. A series of questions raised by the participants were answered and clarified.

Day 3 was devoted to the development of the GAD Training Module, which can be of great help to all the trainers in conducting their training at different agencies

and institutions. Several announcements and important reminders were also given to guide the trainees in the "Return Demonstration".

The last day of the training was dedicated to the presentation of outputs, or the return demonstration, for the 4 groups of trainees. Each group presented a series of slides which were meticulously formulated by

the members. Ms. Pascual gave her critique, which consists of positive points and room for improvement, after a nerve-racking ordeal for the trainees.

Overall, the 4-day training of trainers conducted by the GAD office was a success. Trainees became more confident in serving the college and the community in promoting gender mainstreaming.

Two faculty-researchers bag 2nd place... >> FROM PAGE 4

Ecija University of Science and Technology (NEUST), Mr. John Rey Quiñones and his paper "Disaster Preparedness against Flood and Typhoon of High-Risk Barangays in Cabanatuan City, Philippines" bagged the 1st Best Paper award under the Agriculture and Environmental Research Category, while Ms. Gianne Bianca Manalo from Tarlac Ag-

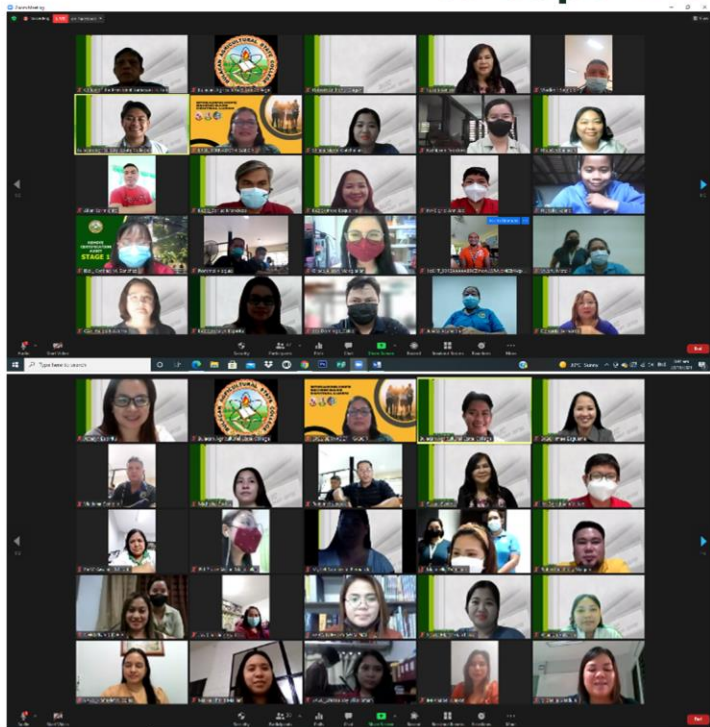
ricultural University snatched the 3rd Best Paper award for her paper "Laying Performance of Itik Pinas (*Anas platyrhynchos Linnaeus*) as Affected by Garlic (*Allium sativum*) Powder in Drinking Water."

The criteria used by the evaluators in selecting the Best Paper were divided into four which includes 30% - Creativity, originality, and quality of

work, 40% - Significance of findings, 15% - Manuscript/writeup, and 15% - Presentation.

Winners were awarded with a Certificate of Recognition duly signed by the College President Dr. Jameson H. Tan, and then Vice President for Research, Extension, Production and Development Office, Dr. Susan C. Santos.

EO holds training for extensionists to cope with new normal



In the light of the upcoming ISA and AACUP program accreditation, BASC Extension Office headed by Dr. Imee D. Esguerra, conducted a training entitled “Capacitating BASC Faculty/Staff Extensionists to Cope with New Normal” on November 22, 2021 via Zoom Meeting. The main objective of the training was not only to capacitate BASC extensionists on the formulation and packaging of pandemic-related extension proposals, but also to develop them into trainers who will impart their learnings to other faculty

members under their respective institute.

During the training Dr. Bernadeth B. Gabor, Resource Speaker, shared her knowledge and expertise to extension services as she discussed the extension service modalities in the new normal, training needs assessment, and formulation and packaging of pandemic related initiatives for extension PPAs. Dr. Gabor is a multi-awarded extensionist from BPSU.

Furthermore, selected participants presented sample extension project proposal and was evaluated by the resource speaker.

CA faculty complete PhilRice's RSTC

As part of the Rice Competitiveness Enhancement Fund-Rice Extension Services Program (RCEF-RESP) of the Department of Agriculture-Philippine Rice Research Institute (DA-PhilRice), the Rice Specialist Training Course (RSTC) was held for wet season from July to October 2021 in Region III aiming to generate a league of rice specialists who will support and serve in the implementation of the Rice Competitiveness Enhancement Program (RCEP).

A total of 25 trainees who are members of farmers' associations, provincial agricultural officers, agricultural extension workers (AEWs), learning agricultural site/farm owners and educators from state universities and colleges (SUCs) participated in the event.

To represent BASC, Ms. Evelyn Q. Alera, Mrs. Sheryll

C. De Leon and Mr. Rael C. Tejada, faculty members of the College of Agriculture (CA) attended the RSTC through the recommendation of Dr. Jameson H. Tan.

The training was composed of three modules: Transformational Leadership, Understanding Rice, and Rise with Rice. Lectures were mostly held via webinar due to restrictions caused by the COVID-19 pandemic. For the in-house training, the trainees went to PhilRice Central Experiment Station in the Science City of Muñoz, Nueva Ecija for a two-week hands-on activities like safe handling of pesticide, agro-ecosystem analysis, seedling preparation, seed production and testing crop cut and yield component sampling and processing, machine operation and microteaching.

A major requirement to complete the training was the

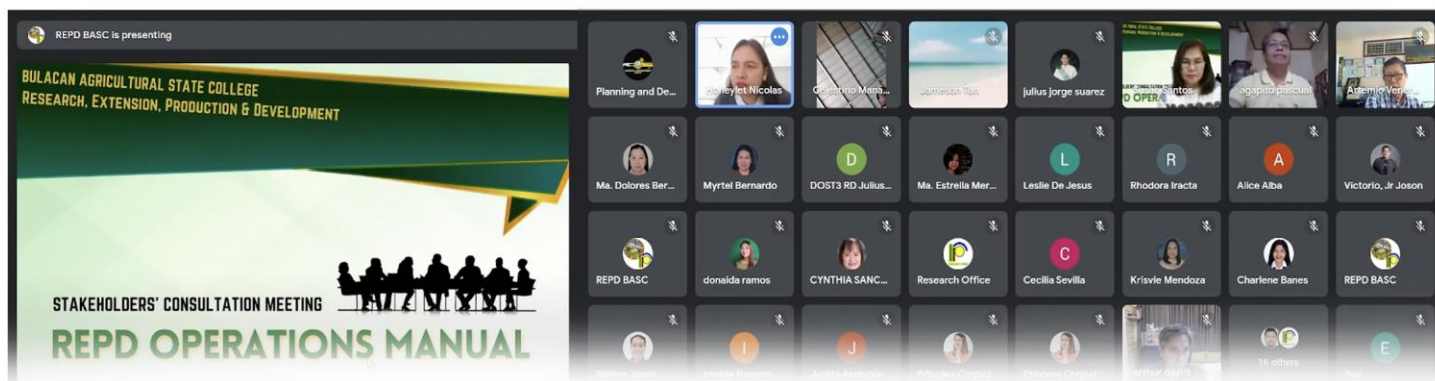
establishment of the techno-demo farm showcasing the PalayCheck System, a rice integrated crop management system for transplanted irrigated lowland inbred rice promoted by PhilRice to increase yield of inbred rice. The CA faculty trainees established their 0.5ha techno-demo farm in Mataas na Parang San Ildefonso, Bulacan.

During the virtual graduation ceremony last Oct. 29, the BASC representatives received special awards: Mr. Tejada bagging the Top 2 in final assessment, Mrs. De

Leon securing Top 3 in the final assessment and Top 2 in microteaching while Ms. Alera grabbed the Top 5 in most gained knowledge and Top 5 in RSTC overall performance.

RSTC is held twice a year and is under the direction of PhilRice's Technology Management and Services Division (TMSD) headed by Dr. Lea DR. Abaoag who is a supervising science research specialist. For the wet season training, it was facilitated by Ms. Juvy Jane E. Aungon, science research specialist II at TMSD.





REPD conducts Stakeholder's Consultation Meeting

To assess the proposed changes relevant to the Operations Manual of the BASC Research, Extension, Production and Development (REPD) Office, a Stakeholder's Consultation Meeting was held on Dec. 3, 2021 via Google Meet.

Present during the meeting were Dr. Julius Caesar Sicat, Regional Director of DOST, Dr. Eduardo Torne from the Bureau of Animal Industry, Dr. Arthur Dayrit from the Department of Agricul-

ture – Regional Field Office III, Mr. Artemio Veneracion, President of the Association of Rabbit Meat Producers (ARAMP), Municipal Agricultural Officers (MAO), and other key participants.

Dr. Sicat commended the use of SMART objectives in the presentation of the BASC-REPD Vision, Mission and Goals. He also encouraged to increase the number of targets for research and intellectual property. Mr. Agapito Pascual,

MAO of Norzagaray, raised his concern regarding the increasing rate of rice black bug sighting and how can BASC help in fighting this pest? In addition, Mr. Pascual also looked for feedback mechanism for extension activities, as part of his suggestion under the Extension Agenda.

Dr. Dayrit, on the other hand, suggested including the development of alternative fertilizers and alternative feeds. Moreover, under the

guidelines for awards and incentives, Dr. Dayrit also suggested to include legal basis in granting awards and conduct benchmarking on other organizations giving incentives following a legal guideline.

The BASC REPD Manual of Operations was carefully developed to describe the functions, policies, and guidelines which will be useful for faculty researchers and extension practitioners of the College.

BASC holds inaugural international... >> FROM PAGE 1



Jayachandra Reddy from Sri Venkateswara University, India. Dr. Xiahong's research was on "Harmless Treatment and Resource Utilization of Agricultural Wastes," while Dr. Yan's paper was titled "Identification of Resistance Germplasm and Mapping of Genes of Tomato Spotted

Wild Resistance (TMSV) in Tomato." Dr. Reddy's topic was "Food Security: Climate Change and Dynamics of Land Use."

A total of 26 papers were presented, with two from Northern Luzon, seven from Central Luzon, five from Southern Luzon, one from

Visayas, ten from Mindanao, and one from Zimbabwe. These papers were evaluated by esteemed panel of evaluators composed of Dr. Gloria Burow from the US Department of Agriculture; Dr. Arthur Dayrit from the Philippines' Department of Agriculture; Engr. Marc

Alexei Badajos from Central Philippines State University; Dr. Maximo Muldong from La Consolacion College of Manila; Dr. Cirilo Mirano, Jr., Deputy Director of the Professional Development from Oman, and Dr. Christopher Delino from Our Lady of Fatima University.



BASC gains 4.5 M funding for DARFO III-approved projects

Resource generation from approved externally-funded projects further cements BASC's fecundity in its research and extension endeavors for 2021 as four project proposals had been approved in the fourth quarter this year through the Presentation of Central Luzon Agricultural Research and Extension Network (CLARDEN) Proposals for 2022 funding of the Department of Agriculture Regional Field Office III (DARFO III) held via Zoom Conference last November 4.

A total of Php4.5 M was generated by the four approved research proposals which are all slated to begin on the first quarter of 2022.

the College of Agriculture (CA). These are, "Upscaling of the Rice-Based Integrated Farming System in Bulacan", led by Dr. Imelda SA. Navarro and another extension project, "Accelerating the Utilization of Aerobic Rice Technology Adoption in Central Luzon", fronted by Mrs. Dinah Marie C. Dayag. The latter proposal had already started since the funds were already downloaded this year.

Meanwhile, another extension project entitled, "Integrated Rice Farming System in Rainfed Lowland Areas Toward Food Security, Profitability and Sustainability, Phase II" headed by Mrs. linda DL. Palmario from CA

secured a Php1M funds.

Dr. Navarro has another one approved extension project entitled "Economic Development of Diversified and Integrated Rice-Based Farmers on the Rain Fed Lowland and Upland Areas of Central Luzon" amounting to Php600,000.

Finally, the proposal, "Climate- Smart Agriculture: Assessment of Adoption in Selected Provinces in Central Luzon", which was led by Dr. Ma. Leonora C. Sta. Ana acquired a Php500,000 budget.

The Memoranda of Agreement (MoAs) for the said projects are already in the works and are scheduled to be fully accomplished on

January 2022.

The DARFO III through its Research Division yearly conducts this R&D programs and call for proposals in collaboration with state colleges/universities and local governments. All proposals which are reviewed by the experts from CLARDEN must be specifically geared to the "Masaganang Ani, Mataas na Kita" goal of the DA.

On the other note, the approved externally - funded projects now contribute to the resource generation target of the Research Extension Production and Development Office, which also seeks to secure project funding from other government agencies via project proposal submissions.

Bulacan Agricultural State College

Vision

A globally-engaged higher education institution of agriculture and allied disciplines.

Mission

Provide excellent instruction, conduct relevant research and foster community engagement that produce highly competent graduates necessary for the development of the country.

REPD Mission

The REPD office shall broaden the corpus of knowledge, expand the innovation reservoir, and encourage community engagement to improve the quality of life in its service area, and contribute to national sustainable development.

REPD Office Goals

- To become a regional centre for agricultural research and allied sciences with enhanced engagement, impact and visibility.
- To improve the quality of life of the socially and economically-disadvantaged communities through the conduct of research-based and instruction-based extension services in agriculture and allied fields that are responsive to the needs of the community.
- To foster an environment that promotes and rewards the creation of new knowledge, creativity, innovation, and the use of new technologies.