

Spanish visiting profs share expertise on strawberry

Two visiting professors from Spain will be working closely with Benguet State University (BSU) for the series of lectures on strawberry research.

Dr. Leoncia Tandang, dean of the College of Agriculture; Dr. Danilo Padua, a faculty and expert on strawberry research and development; and Dr. Janet Pablo, chairperson of the Department of Plant Breeding will be collaborating with Dr. Pedro Palencia Garcia and Dr. Fatima Martinez Ruiz from Universidad de Oviedo and Universidad de Huelva for the lectures and nursery management to graduate students, researchers, and faculty members.

On April 11, Dr. Ruiz presented a lecture on the "Strawberry Postharvest Technology in Spain" at the Strawberry Hall, College of Home Economics and Technology. As an assistant professor in the University of Huelva, she specializes in the field of agronomy and plant pathology. Ruiz said strawberry is one of the most continued on page 7

With 85.71% passing rate,

University lists 36 new Nutritionist-Dietitians

In the recently held Licensure Examination for Nutritionist-Dietitians, 36 BSU graduates made the cut listing a passing rate of 85.71% which surpassed the national passing rate of 72%.

The passers are Esmin Marie N. Alawas, Edelyn P. Ansiong, Eloisa Marie A. Baso, Mary Flor A. Bestre, Adelaida B. Boleyley, Divina M. Botigan, Lanie Layne K. Calubaquib, Jemarie T. Cariño, Claribel S. Catinguel, Perlynnete N. Cay-ohen, Christine Bel T. Cerezo, Roselyn B. Cerio, Velanie M. Dao-ines, Disney Dezyl D. Deponio, Jenifer M. Gacita, Argielyn B. Galiega, Mark Anthony A. Garcia, Jewel C.

Hernandez, Jenilyn L. Lingaling, Steffanny Grace M. Lozano, Kieffer S. Lumbag, Wylibeth N. Lumpias, Jemely B. Mangosan, Perlyne Q. Martin, Shanil T. Mauting, Juliet S. Olosan, Noralyn E. Paclos, Flirton J. Palada, Rebecca G. Palatican, Melinda B. Palgue, Jennymier A. Pelitan, Jeanelle B. Pitas, April E. Polon, Maria Kristelle S. Ruiz, Roslyn C. Saro, and Jomar P. Tacio. ://Jennyline S. Tabangcura

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First published in 1996, Shamag is one of the official publications of Benguet State University. It was named after the Ibaloi word for news. It is a medium for employees, clients, students and partners to disseminate their programs, achievements and advocacies. Shamag aims to help the University goals in developing proactive programs for quality service by developing effective and efficient innovative platforms for cascading information and strengthening public-private partnerships.

Articles, pictures, comments, suggestions, reactions, and letters to the Editor may be submitted to the Editor or Associate Editor of Shamag at the Benguet State University Public Affairs Office through (074) 422-2127 loc. 69 or through email at jstabangcura@gmail.com or publicaffairs@bsu.edu.ph.

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VISION*

A PREMIER UNIVERSITY delivering world-class education that promotes sustainable development amidst climate change

MISSION

To provide quality education to enhance food security, sustainable communities, industry innovation, climate resilience, gender equality, institutional development and partnerships

CORE VALUES (SLIDES)

Student-centered Leadership Integrity Diversity Efficiency

GOALS AND OBJECTIVES

Service

Goal I. To develop proactive programs to ensure relevant quality education **Objectives:**

1.To benchmark curricular and co-curricular programs with national and international standards

2.To develop alternative learning experiences to enhance skills that match industry needs

3. To develop innovative and relevant curricular and co-curricular programs

4.To enhance proactive student welfare and development programs

Goal II. To develop proactive programs for quality service **Objectives:**

1.To enhance relevant human resource development programs
 2.To develop effective and efficient innovative platforms for cascading

nformation

3. To enhance and develop employee welfare programs

Goal III. To enhance responsive systems and procedures for transparent institutional development

Objectives:

1.To enhance and develop innovative financial management systems

2. To ensure transparency in all transactions in the university

3.To ensure inclusive and consultative decision making

Goal IV. To develop relevant and gender sensitive research and extension programs for institutional development, sustainable communities, climate resilience, industry innovation, and partnerships

Objectives:

1. To develop relevant multimedia tools in disseminating technology, knowledge and information generated from RDE programs

2. To develop relevant RDE activities that will address current problems and support cultural advocacy

3. To partner with strategic local, regional, national and international entities

Goal V. To strengthen and expand public-private partnership **Objectives:**

- 1. Sustain and pursue functional University-relation with the alumni and other organizations both in the government and non-government entities
- 2. To strengthen the linkage among academe, industries, LGUs and community

*Board of Regents Approved Resolution # 2494, s. 2016.

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BSU to gather foreign experts for food, env't, culture confab

Benguet State University in partnership with the Philippine Council for Industry, Energy and Emerging Technology Research and Development (PCIEERD) and Philippine Council for Agriculture, Aquatic, and Natural Resources Research and Development (PCAARRD) will gather experts from USA, South Korea, Japan, Bangladesh, Australia, Vietnam and the Philippines for the 1st International Conference on Food, Culture and Environment.

The conference with the theme "Fostering International Cooperation for Sustainable Development through Multidisciplinary RDE" will be held on May 15-18, 2017 at Hotel Supreme, Baguio City.

It aims to deliver analysis, inspiring visions and innovative methods arising from research in a wide range of disciplines.

"Discussing and sharing our experiences relative to food, environment and culture, will serve as an instrument in advancing food security, environmental integrity and social consciousness most especially with the threats of climate change, free-trade liberalizations and others," said BSU VP for Research and Extension, Dr. Carlito P. Laurean.

There are 139 participants and paper presenters expected to attend the conference.

Current issues and trends such as climate change, biofertilizers, international cooperation and food culture will also be discussed by keynote speakers and plenary speakers.

"Every region has its own best ways and forms of cooperation. It is hoped that our keynote and plenary speakers and paper presenters will share their views and experiences on regional cooperation initiatives and to present their projects as practical examples," added Laurean.

The keynote speakers will be Dr. Fortunato T. De La Peña, secretary of the Philippine Department of Science and Technology and Dr. Dindo M. Campilan, director of the Asia International Center for Tropical Agriculture-Asia Regional Office in Vietnam.

The plenary speakers will be Dr. Segfredo R. Serrano of the Philippine Department of Agriculture, Dr. Robert C. Kemerait Jr. of the University of Georgia, USA; Dr. Tongmin Sa of the Chungbuk National University, South Korea; Dr. Peter Brothers of the International Rice Research Institute, Philippines; Dr. Lily Ann D. Lando of the World Fish Philippines Office; Prof. Koji Nakamura of the Kanazawa University, Japan.

Further, Ms. Sara Jane Ahmed of the Institute for Energy Economics and Financial Analysis, Bangladesh; Dr. Md. Zaved H. Khan of the Jessore University of Science and Technology, Bangladesh; Dr. Joji K. Cariño of the UN Forest People's Program; Dr. Michael Tan of the University of the Philippines; Dr. Andrew Butt of La Trobe University, Australia; Dr. Marlowe Aquino of the IFAD-APRACA FinServ Access Regional Project and Dr. Adela Jamorabo-Ruiz of the Polytechnic University of the Philippines will join as plenary speakers.

://Jennyline S. Tabangcura

SUCs present best practices on ESPA-GP mgmt, plan policy proposals

Representatives of State Universities and Colleges (SUCs) from Regions I, II, III and CAR gathered on April 27, 2017 at the CTE Function Hall to share best practices in managing the Expanded Students' Grants-In-Aid Program for Poverty Alleviation (ESGP-PA) scholarship in their respective schools.

The activity included presentations by Dr. Henedine A. Aguinaldo of Mariano Marcos State University (MMSU); Dr. William Eustaquio, STUPAPs/ESGP-PA Director, of Isabela State University (ISU); Dr. Theody Sayco, Dean of Administration, of Central Luzon State University (CLSU); and Mr. Melchor S.

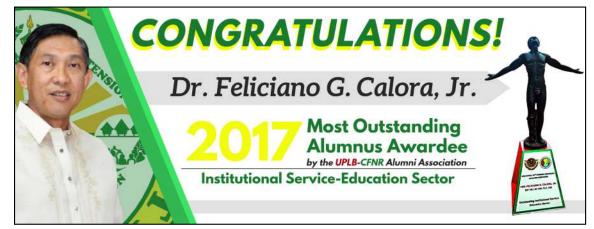
Samdao, ESGP-PA Technical Staff, of Mountain Province State Polytechnic College (MPSPC).

The practices commonly shared by the presenters are the conduct of various workshops and orientations with the ESGP-PA scholars and their parents; purchase of equipment such as computers and printers to assist

students with academic work, psychological counseling; and inspection and monitoring of the students' boarding houses.

After the sharing of best practices, a workshop on the enhanced implementing guidelines for the ESGP-PA followed where the participants

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Tech Caravan reac Kabayan proper fertilizer applications in Veterinary

Relative to the University's yearlong centennial anniversary celebration, the Office of Extension Services (OES) brought a Technology Caravan to Kabayan on April 26, 2017.

The Technology Caravan aimed at showcasing mature and commercially-viable technologies of the University and to create an avenue for community-based information dissemination through a farmer's forum.

More than 75 farmers participated in the said forum which evolved around the technology dissemination on soil analysis, plant pest and disease diagnosis, agroforestry practices, beekeeping, among others.

Dir. Valentino L. Macanes of the Institute of Highland Farming Systems and Agroforestry emphasized on good agricultural practices in agroforestry systems. He said that coffee is adaptable in agroforestry, it is good to plant under Benguet Pine Trees.

Dir. Macanes also took pride in saying that the Arabica coffee of Benguet State University (BSU) is certified as organic, nationally and internationally. He also underlined the need for not only coffee but for fruits and vegetables, as well, to have good agricultural practices (GAP) certification because this is what consumers look for.

Dr. Johnny Dati, division chief of the Extension and Training Unit of the Horticulture Research and Training Institute (HRTI), discussed on problems encountered in vegetable production. He said that high input vegetables, which are currently being grown in the locality, uses expensive materials because the seeds are imported and cannot be locally produced.

"To solve these critical points, we must lessen the use of inputs, instead of buying commercial fertilizers, we can produce composts. We can also use biological insecticides to decrease chemical pesticide input," said Dati.

On the other hand, Prof. Alexander Fagyan, director of the Climate Smart Agriculture Center, talked about the importance of soil analysis. A closer look, accordingly, into the pH and NPK (Nitrogen, Phosphorous, and Potassium) content of the soil can provide a background on the the soil.

Eight soil samples from seven farmers were analyzed during the caravan. Based on the results, all eight samples are acidic, have low nitrogen content, medium phosphorus content, and most are potassium deficient. The results of the analyses were the bases of Prof. Fagyan in recommending the appropriate fertilizers that each respective farmer will use.

Prof. Paquito Untalan, director of the Cordillera Regional Apiculture Center also gave points to consider in beekeeping. He said that training on such is a primary requirement before putting up a bee farm.

Prof. Untalan underlined the importance of bees in pollination as well as the various products from bees such as honey, wax, pollen, royal jelly, and many more.

Lastly, Dr. Richard Dumapis from the Veterinary Teaching Hospital of the College of

Medicine shared an overall insight in animal production. He said that in animal production, the source of stock must be looked into, proper feeding of the stocks must be seen, and that stocks must be vaccinated.

"I hope that this endeavor is made regular to effectively disseminate information. Sometimes farmers rely on their experiences and they do not know that there are other technologies which are good to enrich their knowledge and maximize their production," said Geofrey B. Binaliw, Municipal Agriculturist of Kabayan.

The BSU Technology Caravan is also synchronized Kabayan's Ecotourism Month and Bindiyan Festival.

://Paul Joseph A. Nuval and Juman Kevin B. Tindo





BSU, Red Cross spearhead bloodletting activity

The University Health Services Clinic in partnership with the Philippine Red Cross-Benguet Chapter sponsored a bloodletting activity at the Benguet State University Anthurium Hall on April 28, 2017.

Of the 70 volunteers who enlisted, 48 were extracted blood, 17 disqualified, and five absconded. Hence, 48 units were collected which is equivalent to 24,000 cc of blood.

According to Dr. Florence V. Poltic, University Physician, 17 were disqualified because some were underweight (below 50 kgs) while some were having menstruation (females), runny nose with cough, and infected pimples.

Nonetheless, Dr. Poltic underlined the importance of donating blood "at least once every three months."

"When you donate blood you decrease your iron stores and as such you reduce your risks of developing heart diseases, hypertension, and stroke. Further,

you also give yourself a chance to have your blood replaced by new blood cells," said Dr. Poltic.

Moreover, she said that when people donate blood they have other benefits such as incidental physical examination which includes blood pressure, pulse rate, weight, and height monitoring; and assessment of the cardiopulmonary status and other systems, as well as, free hemoglobin count.

"The most important benefit of bloodletting is the feeling of fulfillment for being able to give something to the needy," added Dr. Poltic.

With the theme, "Be a Hero. Donate a Blood," the activity was in line with the University's Centennial Year celebration.

://Juman Kevin B. Tindo



Dr. Hoang Thi Bich Thao and Ms. Nguyen Thi Thu Ha, senior staff of the Thai Nguyen University of Agriculture and Forestry in Vietnam visited the University on April 3, 2017 for exploratory talks with BSU officials on possible partnerships in student exchange programs and language education study. In the photo are (l-r) ILC Director, Dr. Rhonda B. Tullay; Ms. Nguyen Thi Thu Ha; IRO Director, Dr. Darlyn D. Tagarino; Dr. Hoang Thi Bich Thao; and CAS Dean, Dr. Samuel S. Poliden.

://photo by Jennyline S. Tabangcura

Benguet State University coordinators, information management information units, and employees have undergone capability enhancement trainings to enrich BSU employees in terms of data management and visual materials production. The enhancement seminar was conducted every Friday from April 7 to May 4. Topics discussed included techniques in photojournalism, hands on training on the basics of Adobe Photoshop and InDesign, and Google Applications.

(inset photo) Dr. Shirley Ayao-ao, Saint Louis University IntelTeach, lectured on Google Applications. She said that Google Applications is a useful tool for collaboration.





Earth Day 2017 theme centers on climate literacy; BSU-YES, NPC-San Roque Colleges stage Conduct symposium

Colleges stage concert, frolics for a cause

The Benguet State University (BSU) - College of Forestry (CF) and College of Arts and Sciences (CAS) staged a concert and frolics for a cause, respectively, this April 2017 at the gymnasium.

These activities aimed to help raise funds for faculty members, Prof. Paquito C. Untalan and Dr. Esther R. Hufana, who are in need of medical assistance.

On April 6, seven bands rocked in the concert organized by the Future Foresters' Society (FFS) and CF.

With the theme, "Heart of Gold, We Perform for a Reason," the performances were committed to Prof. Untalan who is scheduled for an implant of a pacemaker to help control his abnormal heart rhythms.

"In this little way, we will be able to help a mentor, teacher, and a friend. Every concert ticket bought will definitely help in this cause," said Claire Chacwog, FFS program coordinator.

Moreover, CAS presented a frolics dubbed as "CAS Kwelahan" on April 21.

The celebrated CAS frolics was intended to aid Dr. Hufana, former dean of the college, who is diagnosed with breast cancer.

The event further hoped to at least provide financial assistance for Dr. Hufana's hormonal treatment.

"The CAS frolics was initially an activity done to support the extension projects of the college, however, we also conduct this to raise funds for a cause," said Prof. Gregorio C. Taag, CAS socio-cultural coordinator.

"The frolics is not only designed for the audience to have fun but the performers (teachers) to also have fun," said Prof. Taag.

As of press time, both concerts are still on the process of auditing sold and unsold tickets before turning over the funds to their respective beneficiaries. ://Juman Kevin B. Tindo

As part of the annual Earth Day celebration, the Benguet State University – Young Environmentalists' Society (BSU-YES) in partnership with the National Power Corporation (NPC) – San Roque Watershed Management Area Team (SRWAT) conducted a symposium at the Igorota Hall, Northern Philippine Root Crops Research and Training Center on April 21, 2017.

Reinforcing the Earth Day 2017 theme, "Environmental and Climate Literacy," the event aimed to impart the power of literacy particularly in the concepts of climate change and its adverse effects to the environment.

"We believe that the youth will be the next ones to take care of the environment, the NPC, together with YES, conducted the symposium as part of its mandate in information dissemination about environmental protection," said Faith H. Belingon, Community Relations Officer.

The symposium featured lectures which underlined the Earth Day 2017 celebration theme

Engr. Hilario G. Esperanza, Weather Specialist II of PAGASA-CAR, lectured on Weather Systems affecting the Philippines.

On the other hand, Mendel S. Garcia, Section Chief of NPC-SRWAT, talked about Watershed and Climate Change.

Garcia said that the major cause of climate change is anthropogenic in nature; it is primarily caused by people.

He quoted the saying, "We humans are the virus of the Earth."

"Climate change is caused by greenhouse gases (GHGs), watershed as part of

environmental management, hopes to reduce these gases, so as much as possible there is production and reduction," said Garcia.

Dr. Romeo A. Gomez Jr., professor of the BSU-College of Arts and Sciences, also lectured on Ecological Waste Management.

He said that there is no system which produces a zero waste. "I would be the first to challenge that because where do you find a system that will make a zero residual waste? If you burn it (waste), you are just transforming that solid into a gaseous form. So there is no really a zero waste management," he stressed.

In addition, he also said that all of us must be a part of the solution in managing waste.

Accordingly, to comprehensively address solid waste, an integrated waste management must be employed as part of the solution.

Students from BSU, Benguet Vocational School, Cordillera Career Development College, and King's College of the Philippines participated in the activity.

"We said yes when NPC came to talk with us about this symposium, since it is part of the Earth Day celebration and we would like to expand our linkages in promoting our environmental advocacies," said Sunshine Telio, YES secretary. ://Juman Kevin B. Tindn



University stude orgs lead young to eco-trail

To reduce the prevalence of childhood obesity in the community and living in a hygienic environment, the Philippine Association of Nutrition-Beta Zeta Chapter and the Young Environmentalists' Society (YES) of Benguet State University (BSU) spearheaded an eco-trail on April 29, 2017.

Pupils of La Trinidad Central School, together with their parents, joined the eco-trail n support to the Bakas Project of the two BSU-based organizations.

The three-kilometre hike started at the BSU oval passing through the uphill stairs in Tawang, La Trinidad going to Mt. Yangbew.

After the trek, a brief discussion by the Nursing Association of Responsible Students (NARS) officers and YES on clean environment with respect to health was made.

The participants were encouraged to live a healthy lifestyle like doing simple household chores as an exercise, eating proper food, among others.

"Eco-trail is one of our ways to promoting our environmental advocacies, as well as, for us to practice a healthier living," said Sunshine Telio, YES secretary.

According to Mrs. Jedda Lyn Fuyag, she let her children join in the eco-trail to make them healthy, to be exposed more to such activities and adventures.

://Dalos S. Emok



from page

SUCs present best practices on ESPA-GP mgmt, plan policy proposals

came up with policy recommendations.

The activity was also attended by representatives of the Department of Budget and Management (DBM) Region I and II; Department of Social Welfare and Development (DSWD) Regions I,II, III and CAR; Department of Labor and Employment (DOLE) Regions I,II, III and CAR

The Commission on Higher Education (CHED) spearheaded the gathering with Benguet State University as host venue.

://Jennyline S. Tabangcura

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Spanish visiting profs share expertise on strawberry

important crops in Huelva, Spain with more than 7,000 hectares, yielding 261,263 metric tons, and 80 percent of which is exported.

This is the primary reason why most of her published researches focused on strawberries.

Huelva's strawberry cropping system uses the most modern techniques of cultivation like localized irrigation, fertigation, and optimum density of plantation.

She added that strawberry varieties in Huelva are extremely susceptible with soil borne pathogens since it is grown in the same place year after year, with no rotation. Soil disinfection has become an essential technique for controlling such pathogens.

Ruiz also put emphasis on the advantages of soilless growing systems as it is being practiced in Huelva. The method contributes to the improvement of crop yields and quality; conserve energy and water, and reduce the application of chemicals. Collection of the fruit is also easier as the fruit remains at a comfortable height for picking.

The lecture highlighted techniques in handling postharvest problems in strawberry, especially in addressing physiological disorders and mechanical damages.

Various strategies employed included the decrease of metabolic activity with a consequent delay of fruit deterioration and maintenance of nutritional value; and the reduction of pathogen activity and a lower incidence of problems deriving from them.

Also, the reduction of fruit transpiration, minimizing loss of weight, glossiness loss, and shriveling was listed as an effective postharvest strategy.

Garcia added that the average farm size of one strawberry farmer in Huelva is 10 hectares so as to gain more profit from the farm

Aside from imparting their knowledge on strawberry research, the Spanish professors will also be sharing their expertise in plant breeding, propagation, and nursery management during their stay until May.

They will be collaborating with BSU's local experts on current strawberry research undertakings and conceptualize possible future projects with local experts.

://Juman Kevin B. Tindo





BSU-NSTP names winners in talent, fashion show

Student talent and creativity at its finest!

This was shown in the "Natatanging Studyanteng Talentadong Pinoy 2017"-#TheVoice and Eco-fashion Show organized by the Benguet State University- National Service Training Program (NSTP) on April 21, 2017 at the University covered court.

Aside from displaying and developing the student's skills and talents, this event was in support of the students' income generating project intended for the community development services that will be implemented by the students. The annual activity is in line with the provision of RA 9163 which states the recognition of the youth's vital role in nation building.

#TheVoice featured solo and group singers. Meanwhile, the Eco-fashion show contest highlighted various designs by students made from recyclables with four categories- the Ethnic Wear, Valentine Wear, Formal Wear, and Creative Wear

Bench Ladia (B Elementary Education 1A), Claudio (BS Development Jackson Communication 1A), and Jonie Baguso (BS Agriculture 1A) emerged as first, second, and third placers, respectively, in #TheVoice solo competition. On the other hand, the Reserved Officers' Training Corps clinched the top spot in #TheVoice group contest. The Bachelor of Science in Hotel Restaurant and Management 1A and the Bachelor of Elementary Education 1A placed second and third, respectively.

Moreover in the male division





of the fashion show, Bryant Baccong (BS Agri-Business 1A) bagged the Formal and Valentine Wear award. Jefferson Ignas (BS Forestry 1A) was awarded as best in Ethnic Wear and Esjay Zausa (BS Development Communication 1A) took the best in Creative Wear award.

Aljane Lagera (BS Agri-

Business 1A) grabbed the best in Valentine and Creative Wear award, Phoebe Jay Dacanay (B Elementary Education 1A) was best in Formal Wear, and Jhelicar Tultog (BS Hotel and Restaurant Management 1A) was best in Ethnic Wear.

"The Natatanging Studyanteng Talentadong Pinoy 2017 was definitely a success. It is a convergence of efforts among students for them to be able to display their creativity and Godgiven talents. Further, the event is a marker in the next steps they will take after their NSTP graduation," said Mr. Giselle I. Ocyaden, NSTP instructor.

:///photos by BSU-NSTP

://Juman Kevin B. Tindo