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# BSU delegates score 37 medals at ASCU-SN Summer Olympics 2019

146 employee-athletes who braved the 38°C average temperature represented BSU in various events in the Association of State Colleges and Universities- Solid North (ASCU-SN) Summer Olympics. This year, the said Olympics was hosted by the Mariano Marcos State University (MMSU) in Batac City, Ilocos Norte from May 6-10, 2019. As announced by the host university, a total of 23 ASCU-SN members joined this year with 2,000+ delegates.

The awards of BSU delegates in their respective events are as follows: 4th place, basketball men, 45 below, Almon Bokilis, Jopher Galian, Mark Gay-as, Kenwal Galian, Marlon Tabdi, Arvin Hilario, Marlon Villafuerte, Ederson Bawang and Rex John Bawang; 3rd place, basketball men, 46 above, Sammy Sibayan, Joseph

Bugnadon, Clemente Dogyang, Andrew Del-ong, Freddie Acwadey, Garcia Tabdi, Florendo Comila, Amorsolo Cuilan, Nestor Pilayan and Levi Selosa; 2nd place, mixed softball, Silvestre K. Aben, Bryant Botengan, John Botengan, Ricky Calbayan, Imelda Fang-asan, Dominador Garin, Phoebe Lozano, Eduardo Naoe,

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## CTE graduates surpass national LET passing rate

The College of Teacher Education listed a passing rate of 44.68% (elementary level) and 50.66% (secondary level) in the Licensure Examination for Teachers conducted on March 2019. The national passing rate is 27.28%.

BSU-Bokod reached a passing rate of 21.43% and BSU-Buguias listed 29.41% in the elementary level. In the secondary level, BSU-Bokod achieved a passing rate of 25% while BSU-Buguias had a passing rate of 19.05%.

Although CTE has maintained its consistency in surpassing the LET national passing rates, CTE Dean, Dr. Imelda Parcasio is still hopeful that BSU passing rates will continue to improve.

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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.

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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  
Service

## GOALS AND OBJECTIVES

**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 information
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

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

### Revised Quality Policy:

"Benguet State University is continuously committed to improve its Quality management System, satisfy requirements of relevant interested parties and provide excellent service for quality education and innovative research aligned with sustainable development and client satisfaction.."

Board Resolution # 2736, s. 2018

## Talk to us!



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## BSU-CCA's "Boka Id Kayos" educates audience on Igorot's resistance to colonizers

The historical play, "Boka Id Kayos (Escape from Kayos)... Igorot's Resistance to Spanish Colony" was successfully staged on May 3, 2019 at the BSU Gymnasium. There were 1,200 students and people from the general public who came to see the play.

The story revolved around a group from Abra, Benguet and Mt. Province during the Spanish colonial period who, under the cruelty of Spanish soldiers, decided to poison and stone them then escape. This happened in a place called Kayos in Cervantes, Ilocos Sur. The actors who belong to the various performing arts groups of the BSU-Center for Culture and the Arts

were trained by Rev. Ventura Bitot who wrote the story and directed the play.

Despite unforeseen glitches on the lights, sounds and visual aids, the audience gave rave reviews on the feedback forms. The audience appreciated the effort and skills of the actors describing them as creative, enthusiastic and energetic.

Assistant Director and Dramatics

Adviser, Matyline Camfli-Talastas believes that reliving the story through a stage play would capture and raise the awareness of students and the wider audience on some important Cordillera history which are not available in textbooks. Rev. Bitot shared that until today, the story is recounted in rituals and prayers during the Begnas, an agricultural thanksgiving festival held before harvesting rice.

"We have a rich history and culture. Kudos to performances like this for making us remember who we are," said one viewer. A grade 7 student added that he felt blessed for having the opportunity to watch such play. Most of those who gave feedback expressed how proud they became of their heritage.

Talastas is hopeful that the staging of the play will not be the first and last. She shared that the production of the play also became a venue for the BSU-CCA family to boost their confidence and to get to know each other better.//  
*JSTabangcura*



# BSU STUDENT RESEARCHERS DEVELOP FOG HARVESTERS TO COPE WITH FARM WATER SHORTAGE

According to research, most potato farmers in Buguias, Benguet are dependent on rainfall to water their farms causing some farmers to wait for the rainy season before planting. But what if structures worth less than Php 3,000.00 could convert fog into water?

Donalyn M. Macaburas and Diostonee A. Balinte, alumni of Agricultural Engineering at Benguet State University thought of this machine to help farmers thru the suggestion of Dr. Silver K. Aben and guided by their adviser, Engr. Editha Carlos.

Even not being able to graduate on time, these researchers emerged as second placers in the regional student research congress in 2018.

The thesis of Macaburas and Balinte titled “Water Yield of a Fog Harvester as Affected by Mesh Material and its Orientation” contains the design, evaluation results and cost analysis of four fog harvester structures made up of aluminum mosquito mesh or polyethylene mesh, galvanized iron frame and post, gutter, plastic tube and storage tank. The students considered installing the structures in Mt. Santo Tomas in Baguio City and Mt. Jumbo/Yangbew in La Trinidad but finally settled in Sinipsip, Buguias.

The four structures which measure 3x1 meters each compared how much water will be collected using two types of mesh (aluminum mosquito mesh or polyethylene mesh) and whether the orientation of the mesh (portrait or landscape) will also make a difference.

The fog harvesters collect water mainly through the mesh. “Nu ag pass through jay fog ijay net or mesh, siyempre ag condense...karkaru nu rabii ta nalamin kasla nga dew ag drip santo ag flow ijay water container then isu ti ma collect (Condensation happens when the fog passes the net or mesh, especially at night because of colder temperature, then these fog which were converted to fog- like dew is collected in the containers)” explained Balinte. Results of the evaluation showed that there is no significant difference between the kind of mesh used. The polyethylene mesh with portrait orientation listed the highest Return of Investment (ROI) at 50.5%.

The four fog harvesters (each having three replications) were able to collect 1,600 liters of water within a month from January 15 to February 15, 2018. The students however, advised against the household use of water from the fog harvester.

“According to the research of the World Health Organization (WHO), jay nacol- collect nga danum from fog harvesters ijay other countries, pasado isuna nga drinking

water. Ngem ditoy gamin ayan tayo medyo polluted baka contaminated en gapu iti pesticides ken dadumma nga chemicals (According to WHO research, water collected from fog harvesters in other countries passed as drinking water, but in our place, there might be contamination caused by pesticides and other chemicals)” said Macaburas. Balinte added that a test can be done for that, one that they were not able to do because of financial constraints.

Macaburas is now a research assistant of the project “Development of Rainwater and Fog harvesters in Baguio-Benguet Areas” led by Engr. Leonardo Dumalhin under the BSU-College of Engineering and Applied Technology (CEAT). Farmers who are interested about the fog harvester may visit their office at CEAT.

When asked why farmers in high elevation areas should try fog harvesters, she says “Nu nag ngangato nga place usually ti source ti danum da aggapu ijay baba ket ipu-pump da ngay diyay nga pangato, ngayon, mabalin da met nga usaren jay adaen ijayayanda, jay fog. Nu ada fog harvester da, once nga naipatakder, agcollect da na lang awan ti mausar nga kuryente, kitan da lang ta awan maipulpullat ijay gutter (In high elevation places, water is usually pumped from lower elevation areas. If so, they can use fog harvesters to collect water especially if fog is already there. Fog harvesters do not require electricity and are maintained just by cleaning the gutter)” said Macaburas.

“Jay structures nga inaramid mi 3x1 meters, nu kayat da pay nalawlaw, tapno ad adu ma collect da, mabalin and not necessarily jay inusar mi nga material, they can use kayo nga pang poste tapno makalaka kasjay (The structures we made is 3x1 meters but it could be enlarged to collect more water, they can also use other materials such as wood for posts as it is cheaper, not necessarily the ones we used)” added Balinte.

Both clarified that the fog harvester was intended to add to the water supply and not to become the sole source. //JSTabangcura

*CTE graduates surpass... from page 1*

Preparation for LET and enhancement activities are hardwired into the CTE curriculum but there are other factors beyond the college's control that affects the overall BSU passing rate such as the number of examinees, the examinees who graduated from other colleges and the re-takers. Thus, the college welcomes all BSU graduates who plans to take the LET to avail of the mock reviews and mock exams of the CTE. This was stated by Dr. Parcasio in an interview.

The LET passing rates speak so much of the college's performance and integrity. This is also one of the measures usually set by regulatory bodies like the Commission on Higher Education (CHED) who declared CTE as a Center of Excellence (COE) in Teacher Education in 2016.

"Malaki ang impact ng result ng board exams kasi bago ka man magtuloy sa evaluation nila ng COE titignan muna nila kung na-surpass mo yung national passing rate in the last five years, kung okay ka then itutuloy ang interview and application ng COE, pag sa accreditation, ganoon din, malaki ang points pag na surpass mo yong passing rates (Board exam results have a huge impact because before being evaluated for COE, the college should have surpassed the national passing rate in the last five years, the same for accreditation, high points are given for surpassing national passing rates)," said Dr. Parcasio. CTE also has its own list of examinees who landed in the top ten over the years. Dr. Parcasio said having top ten examinees is a bonus but it is more important to have more students pass the LET. Being a licensed teacher opens more opportunities for the individual. "We still adhere and stick to our banner statement, we care, touch and empower lives," concluded Dr. Parcasio.// JSTabangcura



Almost 200 soil experts gathered during the 22nd Philippine Society of Soil Science and Technology, Inc. Annual Meeting & Scientific Conference at the Crown Legacy Hotel, Baguio City on May 6-9, 2019.

Benguet State University co-sponsored the said event in line with the University's goal in strengthening and expanding public-private partnership.



A total of 129 Grade 10 students of the BSU- Secondary Laboratory School successfully completed Junior High School Education.

Dr. Silvestre K. Aben, Vice President for Business Affairs, awarded the students' certificate during the Recognition Program and Moving Up Ceremony on May 24, 2019 at the BSU Gymnasium.

BSU delegates score 37 .... from page 1

2nd place, table tennis, women, 46 above, Shirley Lamsis; 3rd place, women, doubles, 45 below, Adelaida Dao-ines and Janice Buya-an; 3rd place, table tennis, men, 46 above, Gregorio Taag and Leonardo Samonte; 2nd place, chess, men, Genaro Macasieb, Leonardo Dumalhin, Carlos Mama-o, Stanley Anongos and Charlie Dagwasi; 4th place, chess, women, Jingle Cuevas and Liezl Villagrancia; 1st place, shotput, men 50 above, Tito Lawana; 3rd place, shotput, men 50 above, Christopher Deponio; 4th place, shotput men, 49 below, Milton Delmas; 2nd place, shotput women, 49 below, Brigida Bensosan; 4th place, shotput women, 49 below, Elizabeth Masado; 2nd place, 4x100 meter relay, men, 50 above, Antonio Binay-an, Christopher Deponio, Edward Edio, Raymondo Awas; 4th place, 4x100 meter relay, men, 49 below, Monroe Binay-an, Hilario, Oliver Dominguez, Calvin Jake Awas; 1st place, 4x100meter relay, women, 50 above, Martina Deponio, Mary Jane Padon, Imelda Fang-asan, Estela Kigangan; 2nd place, 4x100 meter relay, women, 49 below, Freda Kate Samuel, Analiza Algate, Elizabeth Dom-ogen, Brigida Bensosan; 3rd place 100m run, men, 20-30 years old; 2nd place, 100m run, men, 50 above; 1st place, 100m run, women 31-40 years old, Kate Samuel; 4th place, 100m run, women 31-40 years old; Dom-ogen; 3rd place, 100m run women, 50 above, Martina Deponio; 4th place, 100m run women, 50 above, Imelda Fang-asan; 3rd place, fun run, 3k, men, Andres Padon; 4th place, fun run, 3k, men, Dayap; 4th place, fun run, 4k, men; 4th place, fun run, 5k, men, Arvin Hilario; 2nd place, fun run, 5k, women, Dominga Dayao; and 4th place, fun run, 5k, women, Elizabeth Masado.

Although not included in the official results, these places are also worth noting 8th place, fun run, 5k, women, Judith Esway; 9th place, fun run, 6k women, Joan Balinggan, 11th place, fun run men, 6K, Edward Magalgalit

The Search for Mr. and Ms. ASCU-SN as well as the pop dance, Pinoy Chacha and musical competitions were held on May 8, 2019 during the Solidarity and Governor's Night. This was attended by presidents of the ASCU-SN members and Batac City Representative, Hon. Imelda R. Marcos. BSU candidate, Dominador Abad won the Mr. ASCU-SN 2019 title.

ASCU-SN 2019 SNAPS/SHOTS

As the annual tradition symbolizes friendship and camaraderie, the delegates were welcomed through an opening program on May 7, 2019 filled with gestures such as the march of flags, lighting of the torch and the oath of sportsmanship. Participants also witnessed the turn-over rites of the ASCU-SN presidency from Dr. Eduardo Bagtang of Kalinga State University (KSU) to Dr. Shirley Agrupis of MMSU.

Dr. Agrupis hoped that ASCU-SN continues to be 'solid'.

"I heard that we have more participants this year than last year in BSU. I am not saying this because last year BSU is the host and now we are here in MMSU. I am saying this because in order to call ourselves 'solid' we should empower ourselves by numbers and I hope that next year and the years that follow, there will be more participants," said Dr. Agrupis.//JSTabangcura



# CAR lady strikers nab bronze, write history in Palaro



**FEARLESS SMILE!** The CAR Fearless Highlanders Futsal Team strikes a pose after bagging the third place during the awarding in Palarong Pambansa 2019.//

The Cordillera (CAR) Fearless Highlanders Futsal girls lived up to their moniker as they took down the defending champions in the quarterfinals and survived a tightly contested battle-for-third en-route to a historic bronze medal haul in the recently concluded Palarong Pambansa Futsal Secondary Girls held at the Brgy. Mintal Gym, Davao City last April 29 to May 3.

CAR drew first blood in the closing minutes of the first half in the third place showdown, only to be erased by an own goal in the dying seconds which ended the game tied at 1-all. The gritty squad, however, kept their composure in the penalty shootout to seal the victory, 3-2,

(4-3 aggregate) and cemented CAR's best finish in the event since it was introduced in Palaro back in 2013. This was likewise a rare feat of team sports for the Cordillera region.

Earlier, CAR scored a major upset in the quarterfinals against Central

Visayas, last year's champion and top finisher in Group A, via a 4-3 penalty shootout (6-5 aggregate).

CAR yielded to MIMAROPA in the semifinals round but not after giving up a good fight, 2-3. MIMAROPA marched on to claim the gold against Western Visayas in the finals.

The CAR Futsal team was bannered by 10 players of Benguet State University Secondary Laboratory School (BSU-SLS) and two from Baguio City National High School (BCNHS). Said team is composed of Regina Aliping, Lorjane Aludos, Carylle Drea Aquino, Kayla Balacwid, Donna Joy Bulangen, Raven Bungay, Nicole Calsie, Eloisa Collado, Danica Kuengan, Erica Kuengan, Jenny Rose Mendoza and Kyla Claire Politchay.

The team is under the tutelage of coaches Martes Dionisio Jr., Samuel Mendoza Jr., and Rachel Gasigas.

The Fearless Highlanders started their campaign with convincing wins against Bicol Region (6-3) and CARAGA Region (7-1) in the eliminations round. CAR settled for draw against Zamboanga Peninsula Region (2-2) and Ilocos Region (3-3) which secured their second place in Group D and a ticket to the quarterfinals.

CAR's third place feat in futsal is one notch higher than the region's performance last year.// *Lincoln Dionisio*

## Minas grabbed gold in Palaro; Passion settles for silver

Todwin Vincent Minas, a grade 10 SLS student, snatched the gold medal by routing all his opponents in Wushu during the 62nd Palarong Pambansa in Mintal, Davao City.

Minas remained undefeated in their division as he dismantled James Bitana (CLRAA), Amed Upam (BARMM), John Cahutay (EVRAA) and Ronnycel Celis (SRAA) in their 52 kilograms category.

When asked about his victory, Minas said, "If at first you don't succeed, try doing what your coach tells you to do because your coach can see the weak spots during the fight."

Meanwhile in Taekwondo, fellow grade 10 SLS student, John Kim Pasion defeated his first opponent from Region IVB (30:15) in semifinal bout but vowed to Dave Labaton (4:24), the much quicker and agile opponent from NCR in their final match that handed Pasion his silver medal.

After giving his best in the competition and learning from defeat, Pasion quoted, "There is nothing to lose."



**GOLD AND SILVER!** Todwin Minas (top) and John Kim Pasion (bottom) received their award in the Palaro 2019. // *T. Minas and JK Pasion*



# 2nd International Conference on Food, Environment, and Culture (ICFEC 2019)

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#### EXTENDED ABSTRACT FORMAT

##### Title:

- Arial, 14 pt., bold, centered
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##### Abstract:

- Single-space in 12 pt. Arial and two to three (2-3) pages with a maximum of 600 words including one (1) graph and/or table.
- The graph/table will form part of the abstract.
- Include the most significant figure and/or table related to the highlights presented in the abstract.
- Complete caption describing the graph and/or table which should be placed above the table or below the figure.

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- Use a standard 30"x 40" (76 cm x 103cm) poster with the shorter edge at the top and bottom side (portrait-orientation)

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- Give a brief significance of the technology/information. Minimize words and maximize visuals in describing the technology.
- End with a brief (50 words) conclusion. Preferably, the text should be typed using the Times New Roman font, size 26 (minimum)

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- The design should flow sequentially from one part to the next.
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#### IMPORTANT DATES

July 5, 2019 - - - - - Abstract Submission  
 July 22, 2019 - - - - - Notification of Acceptance  
 July 29 - July 31, 2019 - - - Early Registration  
 September 30, 2019 - - - Deadline of Registration

**\*\*Online submission of extended abstracts is thru [www.icfec.weebly.com](http://www.icfec.weebly.com) or [www.bsu.edu.ph](http://www.bsu.edu.ph)\*\***

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Local Participants: PhP 7,500.00  
 Local Graduate Students: PhP 4,000.00  
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