



UPLB, UPLBAA mark 100th Loyalty Day

UPLB and the UPLB Alumni Association are marking 100 years since staff and students of the then UP College of Agriculture, which gave rise to UPLB, volunteered to the Philippine National Guard to fight in World War I.

The historic day in 1918 evolved into a time for UPLB to celebrate the spirit of volunteerism of its faculty and staff, a spirit that lives on today in public service initiatives of the University. Loyalty Day has also become a day for alumni to congregate in UPLB to celebrate and rekindle their bonds.

Those who graduated in the years ending in 3 and 8 are this year's honorees, with members of Class 1968 as the Golden Jubilarians.

Exciting events await the UPLB alumni during the Centennial Loyalty Day celebration starting on Oct. 6 and culminating in the Loyalty Day Foot and Float Parade on Oct. 10, Wednesday, at the Freedom Park. A luncheon *salu-salo* and a cultural night will follow at Baker Hall.

On Oct. 6, the Loyalty Day Fun Run "Takbo Para sa Katapatan" or TAPAK will be held to promote physical fitness and appreciation of the ROTC program. The organizers are the UP Vanguard, Inc.-Los Baños Chapter and Run Mania Philippines Promotions. The Prelude to Loyalty Day will also be held on Oct. 6 at the Barradas Airstrip in Tanauan, Batangas.

On Oct. 8, a campus tour will be held for alumni who wish to revisit selected places in the University. On the same day at 4 PM, the Office for Initiatives in Culture and the Arts will open the exhibit called, "Art in Biodiversity" at Sining Makiling Gallery, DL Umali Hall.

On Oct. 9, two major activities will take place at Baker Hall: the UPLB Grand Alumni Homecoming and UPLBAA Business Meeting at 8:30 AM; and the Alumni Awarding Ceremonies and Alumni Fellowship Night at 3:00 PM onwards.

Meanwhile, on Oct. 8-11, the Business Affairs Office will hold the Loyalty Day Trade Fair at the Alumni Plaza near

the Carillon Tower. It will showcase local products of small- to medium-scale entrepreneurs, a job fair, financial literacy seminar, and a cultural show.

Held on Aug. 30 was the UPLB Centennial Loyalty Day Music Competition at the REDREC Auditorium where the song "Pamantasang Hirang" won over five other competitors. The Office of Public Relations also organized a video contest, the winner of which will be announced on Oct. 8.

The Office of Alumni Relations, UPLBAA, and the Golden Jubilarians spearhead the Loyalty Day activities. *(Pauily May Z. Valencia)*

Why we celebrate Loyalty Day

Loyalty Day marks its centenary on October 10 this year. But what are its beginnings? How did UPLB come to celebrate this day like it were a fiesta with the alumni marking it for their homecoming?

It all started on Oct. 10, 1918 when staff and students of the UP College of Agriculture (UPCA) volunteered to serve in the Philippine National Guard (PNG).

In 1917, when the United States of America joined the Allied Powers to wage war against Germany, Austria-Hungary, the Ottoman Empire, and Bulgaria, the Philippines as an American colony volunteered to send a Filipino division of 20,000 men known as the Philippine National Guard.

According to alumnus Amando Libunao in "The Loyalty Day Story (1918-1978)," UPCA had a "wholesale enlistment" for the PNG at the former Agricultural Botany Building Auditorium, where the Biological Science Building now stands. This was in response to Laguna Governor Juan Cailles's actual call for PNG volunteers in the campus.

"One hundred and eighty-six out of three hundred students have offered themselves to the National Guard," reported Dean Charles Fuller Baker in a telegram to the press the same day, as printed in The

Philippine Agriculturist, the official journal of UPCA, which recorded the milestones of the Loyalty Day.

"From the College of Agriculture faculty of 30 male members, the Dean and 25 others have volunteered their services to the National Guard. Fifteen of that number have actually enlisted. The only two women of the faculty have volunteered for any services they can render," added Charles F. Banks, professor of entomology and a volunteer himself.

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UPLB links with UK universities

Chancellor Fernando C. Sanchez, Jr. led a delegation of faculty members in a visit to three universities in the United Kingdom to hold partnership and rapid benchmarking meetings on joint graduate programs and collaborative research.

The group, which also included Graduate School Dean Jose V. Camacho, Jr., first visited the University of Reading where they signed the Memorandum of Agreement to implement the Dual PhD by Research Program and discussed plans to expand the UPLB-University of Reading partnership.

It will be recalled that the UP Board of Regents unanimously approved the Dual

PhD by Research at its meeting on May 31, 2018. The program, proposed by the Graduate School, is the first of its kind in the country.

The approval of the program set the requirements that need to be satisfied in the offering of a Dual PhD by Research program with a reputable HEI in the Philippines and abroad. Other than the Uni of Reading, UPLB will implement the program with Curtin University of Australia and with the UP Mindanao School of Business, and with other reputable universities in the country and abroad. The Uni of Reading visit was also

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JOINT GRADUATE PROGRAM PARTNERS. Chancellor Fernando C. Sanchez, Jr. and University of Reading Pro-Vice Chancellor for Global Engagement Vincenzo Raimo display a copy each of the MOU for the Dual PhD by Research program of UPLB and the University of Reading.

EU SHARE says UPLB is well aligned to AQAF



QA EVALUATION. One of the panel meetings held by the assessors of EU SHARE with UPLB officials and faculty members. (Photo by VRManingas/OPR)

An assessment panel formed under the European Union Support to Higher Education in the ASEAN Region (EU SHARE) project has evaluated UPLB's internal quality assurance standards to be globally well aligned with the ASEAN Quality Assurance Framework (AQAF) principles.

This was contained in a report issued by the EU SHARE after a panel of assessors conducted a pilot external institutional assessment of UPLB on Feb. 5-6, 2018.

The EU SHARE assessment is an initiative under the administration of Chancellor Fernando C. Sanchez, Jr., who said that it could help UPLB reform its strategies toward its goals on building a regional higher education space in the ASEAN region.

Dr. Sanchez is serving his second term as UPLB chancellor and works on the mission-vision of making UPLB a globally competitive graduate and research university contributing to national development.

The assessment results, according to Dr. Portia G. Lapitan, vice chancellor for academic affairs, "is telling of the kind of university we are for the world to know, some kind of a stamp of quality standard, if not, excellence in higher education."

Dr. Lapitan, who also chaired the UPLB EU SHARE steering committee, described it as a big boost to UPLB's internationalization program, both with its programs and graduates. "I am positive this will increase the level of confidence partners and students will have in UPLB," she added.

Among the observations made was UPLB's readiness for and commitment to the QA implementation project that enabled it to make a lot of progress within a short period of time.

UPLB was also found to have a primary responsibility for quality as evidenced by its vision-mission and ability to strike a balance between institutional autonomy and accountability through laws and regulations that govern it.

The main university stakeholders were observed to be involved in implementing processes in a collective and cooperative manner. Moreover, the assessment panel pointed out that UPLB has some elements of an internal quality assurance system although fragmented. "A QA System is expected to develop with a QA office

already put in place for sustainability," the panel further said.

The EU SHARE panel also observed that UPLB's conceptions of quality is heavily driven by external influences and that it would be more beneficial if it draws up its own approaches, goals and methodologies; and involves the stakeholders in it.

Dr. Lapitan enjoined the University to level up the pursuit for QA by seriously taking into consideration the recommendations. "We will strive to make the QA program that UPLB has started a program that also institutionalizes and formalizes the direct participation of stakeholders outside of UPLB in crafting and implementing regular QA activities," she further said, pointing out that this will make stakeholders "own and treasure" the QA program.

The assessment panel was chaired by Chavalit Wongse-ek, ASEAN University Network QA expert and advisor to the rector of Mahidol University in Thailand. The members were Jacques Lanares, vice rector emeritus of the University of Lausanne in Switzerland; Agus Setiabudi of the Universitas Pendidikan Indonesia and executive board of the National Accreditation Agency for Higher Education of Indonesia; and Oliver Vettori, dean for Accreditations and Management, WU Vienna, Austria.

UPLB is the only public university and the first in the country, along with the Angeles University Foundation, to submit to the EU SHARE quality assessment. EU SHARE is a four-year initiative by the EU and ASEAN. It aims to support ASEAN in harmonizing regional higher education by sharing their expertise in strengthening regional cooperation, and enhancing quality competitiveness and internationalization of higher education for institutions and students, thereby contributing to a closer ASEAN Community. (Josephine M. Bo)

Photo News



WATER SECURITY INITIATIVES. The UPLB Interdisciplinary Studies Center for Water, chaired by Dr. Patricia Ann J. Sanchez of the School of Environmental Science and Management, undertakes initiatives for water security research, development, and extension. The newly created virtual center has held inter-constituent university and multi-stakeholder discussions from June to September, including the forum to manage the Sierra Madre watershed on Aug. 28 held at the College of Forestry and Natural Resources. (Photo by VRManingas/OPR)



A NEW 'FACE' OF PUBLIC SERVICE. Chancellor Fernando C. Sanchez, Jr. (2nd from L) led the launch of the Families of Children with Exceptionalities Resource Center (FaCEs) of the College of Human Ecology's Department of Human and Family Development Studies (CHE-DHFDS) on Sept. 14. FaCEs aims to help families of children with exceptionalities through assessment, guidance, support, and trainings. Joining Chancellor Sanchez were (from L-R) CHE Dean Raden G. Piadozo, DHFDS Chair Rufo Gil Z. Albor, and Fr. Angelo Brosas of the Diocesan Shrine of St. Therese of the Child Jesus. (Photo by VRManingas/OPR)



CAFÉ SCIENTIFIQUE. Dr. Rogel Mari D. Sese, program leader of the National Space Promotion Awareness and Capabilities Enhancement Development Program, said that the Philippines is an "emerging space nation" because it incorporates policies to technologies in developing a space program. Dr. Sese was the featured scientist in the Café Scientifique that the College of Development Communication staged at a local coffee shop on Sept. 3. (Photo by JGSSarol/OPR)



MORE RESOURCES FOR THE REPS. UP Regent Francis C. Laurel recognized the need to have more resources available to the Research, Extension and Professional Staff (REPS) during the UPLB leg of the System-wide REPS consultation on Sept. 11 at the Electrical Engineering Auditorium. Initial accomplishments and proposals that seek to elevate REPS' welfare and opportunities were discussed during the event. (Photo by CVLabe/OPR)

Feature



A forest's bounty besides timber



Just by the number, sheer size, and usefulness of timber from trees, it is easy to overlook what else a forest can offer.

For Dr. Ramon Razal, a professor at the College of Forestry and Natural Resources (CFNR), the forest is home to abundant natural products other than timber, which are collectively called non-timber forest products (NTFPs).

"They include fruits and nuts, vegetables, fish and game, medicinal plants, resins, essences, and a range of barks and fibers such as bamboo, rattans, and a host of other palms and grasses," enumerated Dr. Razal, who is also one of the members of the board of trustees of the NTFP Exchange Programme Asia and former dean of CFNR.

In the Philippines, various types of NTFPs can be found in different provinces. "For instance, Iloilo, Pangasinan, Abra, and Bukidnon are rich in bamboo. Agusan provinces, Palawan, and Mindoro provinces produce a lot of rattan while Palawan, Davao del Norte, Isabela, Samar, and Quezon are abundant in almaciga resin," Dr. Razal continued.

DIVERSE BENEFITS

Unlike agricultural crops, most naturally growing NTFPs like bamboo and rattan do not need thorough cultivation. They can also be gathered using simple, common tools.

NTFPs can be sources of fiber and structural materials, medicine and cosmetics, chemical or extractive products, fruits, nuts, leaves, and animal products. Their abundance makes them reliable sources of livelihood for forest communities.

"They also save the forest from being exploited for the trees. Plus, protecting the forests for NTFPs also helps ensure forest diversity," Dr. Razal explained.

"For the environment, we can use NTFPs such as plant leaves rather than plastic bags for packaging. For our health and wellness, we can consume medicinal plants and fruits from the forests rather than fast foods," he added.

According to him, the use of NTFPs is also closely intertwined with the culture of indigenous people. "Many of the elements of musical instruments, houses, and accessories they use are made of NTFPs. Paying attention to NTFPs helps in protecting indigenous culture that otherwise would be lost if these resources are ignored."

Research from the International Network for Bamboo and Rattan also found that bamboos have the ability to store carbon better than plantation trees, which helps in mitigating climate change.

AGENTS OF CHANGE

"Foresters should not only be concerned with technical knowledge. They must also have the ability to help communities utilize

the natural resources around them to start a business, among others," Dr. Razal said.

This mindset is something he aspires to share with forestry students in his project, "Foresters as agents of change: developing capacity of forestry graduates in assisting upland communities to commercialize non-timber forest products."

The project was submitted to the call of the Commission on Higher Education for K-12 Institutional Development and Innovation Grant for higher education institutes to produce graduates who are better equipped in innovativeness and entrepreneurship.

Through the project, before being deployed for their mid-year practicum, BS Forestry (BSF) students were given opportunities to learn and practice business strategies in a boot camp. This prepared them for the challenges in helping upland communities in Laguna, Quezon, and Cavite realize their business potentials.

"By doing this, we are also helping our future foresters to explore other career paths like starting or running their own business," Dr. Razal pointed out.

The project also established the FOREStore, a one-stop shop that sells goods and materials made from NTFPs developed by BSF students and their partner communities in Laguna, Cavite, and Quezon.

Dr. Razal's team plans to promote this initiative to other state universities and colleges.

THE OUTLOOK

Dr. Razal hopes that the Philippines will be able to develop a pool of experts who will conduct, share, and support NTFP development.

"People who depend on NTFPs are often far from knowledge centers. Information, technologies and techniques also often fail to reach farmer-gatherers, households, and rural-based entrepreneurs," he revealed.

"Also, less than 10% of the total research activities in forestry research institutes are on NTFPs," he added.

A step taken by SUCs offering BSF was to add NTFPs as a required subject. With this, Dr. Razal expects more research, training, extension activities, and publications on NTFPs, a crucial effort that would help raise awareness for these valuable yet largely ignored forest resources.

Even with the challenges, Dr. Razal has always stayed optimistic. "In the future, interest in NTFPs will further grow," he stated.

As his team strives to conduct more projects about NTFPs, he stays committed towards making more forest-dependent communities believe that the forest's bounty goes beyond the timber from trees. (John Glen S. Sarol)



Same fruits, better quality

Mapino chico

Sweeter, with better eating and processing qualities, more resistant to pests and diseases, and abundant.

Thus have become some of the country's important fruits since the Institute of Plant Breeding (IPB) was established 43 years ago.

Tasked to develop new and improved varieties of all crops other than rice, IPB lists an impressive array of fruits that it has improved not only for the local, but also for the world market.

Among these are Sinta papaya, Roja and Amarillo rambutan, Mapino chico, Aguinaldo guayabano, Red Princess cashew, and Mabini jackfruit.

IPB's interdisciplinary fruit crop breeders produced these fruit varieties using conventional breeding and biotechnology techniques.

Probably the most prominent is the Sinta papaya, the first hybrid papaya in the Philippines, which was considered a breakthrough variety because of its moderate tolerance to the papaya ringspot virus (PRSV), one of the most destructive papaya diseases ever recorded. This popular variety is now being grown commercially in various areas in Luzon.

It bears sweet, firm, and abundant fruits that are either female or hermaphrodite. Sinta papaya was registered with the National Seed Industry Council (NSIC) in 1996.

The NSIC-registered Roja and Amarillo rambutan, Mapino chico, Aguinaldo guayabano, Red Princess cashew, and Mabini jackfruit are also known for their abundant harvests. These varieties have good eating and processing qualities. They can also be reproduced asexually, for earlier fruiting and faster return of investment.

Now more than ever, and with the threats of climate change, breeders are challenged to look into appropriate technologies and strategies to increase farm productivity and farmers' incomes. Fruits that yield abundantly are of better eating, processing, and postharvest qualities, resistant to insect pests and diseases, and adaptable to various environmental conditions.

IPB collaborates with communities to ensure that the varieties perform well in various locations where they are commonly grown. In conducting multi-location or farmers' field trials, farmers and agriculture officials take part in selecting and monitoring the performance and acceptability of the varieties.

This enables breeders to get immediate feedback on how to further improve the varieties. Those that have performed well in the farmers' field trials after three years of evaluation are recommended for

registration at NSIC and are released as new varieties.

Leading the IPB fruit breeding section are UP Scientist and Professor Pablito M. Magdalita, Ph.D., and Scientist Lolita DC. Valencia, who both worked on 'Aguinaldo' guayabano, 'Mapino' chico, 'Roja' and 'Amarillo' rambutan, and 'Mabini' jackfruit.

Dr. Magdalita was granted the Regional Professorial Chair Lecture of the Southeast Asian Regional Center for Graduate Study and Research in Agriculture (SEARCA) in recognition of his accomplishments in plant breeding and biotechnology research.

Today, IPB continues to bear fruits, quite literally, as new varieties are now in the pipeline and are ready for registration with NSIC. Some of these are Dr. Magdalita's F1 papaya hybrids 'Timyas', 'Liyag' and 'Hirang'; and Valencia's 'Mangoming' and 'Ferrales' mangoes

Also included are the fruit varieties called 'Quezon' and 'Jacinto' pummelo, 'Primera' avocado, 'Juan Luna' super sweet guayabano, and 'Mahitik' chico.

Producing these promising varieties for the local and export markets may well be a key to food sufficiency and a better Philippine economy. (Marilyn M. Beltran and Dr. Pablito M. Magdalita)

Mussaenda 'Teresita Lantin-Rosario' is finally abloom!



HER NAMESAKE FLOWER. Dr. Teresita L. Rosario officially got a mussaenda variety named after her during the 43rd anniversary of IPB. (Photo by Isidro R. Morales)

What could be the most appropriate reward for a scientist who has devoted her career to the art of ornamental plant breeding? How do you give back to a woman whose scientific "art works" have enriched floral biodiversity and have delighted some of the most esteemed women in the country?

If it is having a flower named after her, then Dr. Teresita Lantin-Rosario, professor emerita at the College of Agriculture and Food Science, has just received the honor that she deserves.

Dr. Rosario, known in the crop science circle as "Ma'am TL," has gone full circle with the *Mussaenda* 'Teresita Lantin-Rosario' or 'TLR' (NSIC No. 2016 Or 86) named in her honor. For more than 30 years, Ma'am TL has spearheaded the breeding of new ornamental hybrids and varieties not

only mussaenda, but also of anthurium, medinilla, aglaonema, and the orchid genus *spathoglottis* that were named after distinguished Filipinas.

M. TLR, the first mussaenda variety under the UPLB Outstanding Women Breeder Series, was given to Ma'am TL on June 8 during the 43rd anniversary of the Institute of Plant Breeding (IPB). A former colleague, the late Dr. Simeona V. Siar, was the primary breeder of this newly launched mussaenda variety.

Mussaenda is a hardy flowering shrub belonging to the Family Rubiaceae. Pioneering UPLB forestry professor Calixto Mabesa discovered *Mussaenda philippica*, called locally as Kahoydalaga, in 1915 in Tuntungin Hill, Los Baños. *Mussaenda* 'Doña Aurora' is said to be a mutant of the said species. Forestry professors Mamerto Sulit

and Hugh Curran also made significant mussaenda discoveries in 1930.

Mussaenda 'TLR' has creamy white, large petaloids or calyx lobes and grows upright to spreading, symbolizing Ma'am TL's conscientious traits toward work and relationship with others. The variety is a cross between *M. 'Maria Makiling'* x *M. 'Diwata.'*

M. 'TLR' blooms throughout the year except during its dormant months of December to February. It thrives well in organic-rich well-drained soil. It requires exposure to full sunlight and abundant moisture, and can be propagated through marcotting.

Ma'am TL belongs to the second generation of mussaenda breeders in UPLB, following the footsteps of Dr. Dioscoro L. Umali. As early as 1948, Dr. Umali worked on breeding strategies to produce female hybrids that can be crossed with other cultivars to produce new mussaenda breeds.

Dr. Umali cross-bred *M. philippica* var. *aurora*, named after Aurora Quezon, the first lady of Manuel L. Quezon, with an introduced mussaenda species, *M. erythrophylla*, later renamed *Mussaenda 'Doña Trining'* in 1952, after the wife of President Manuel A. Roxas. This gave rise to hybrids that were named after the Filipina first ladies.

This was how the UP College of Agriculture's tradition of dedicating flowers to the country's finest women started, one that the College has nurtured even after it became the autonomous UPLB. Quite recently, the honor is going to be given to the University's own plant breeders.

Ma'am TL introduced six mussaenda varieties: 'Mutya', 'Diwata', 'Paraluman', and 'Bathaluman.' They were named after Filipino women chosen for their poise,

grace, beauty and intelligence, including the legendary goddess 'Maria Makiling' of Mt. Makiling, and 'Maria Clara,' the Filipina portrayed in Rizal's *Noli Me Tangere*. The Queen Sirikit of Thailand was also honored by a pink hybrid *M. 'Queen Sirikit'* when she visited the Philippines in 1963.

Together with her mussaenda breeding team, Ma'am TL developed and registered with the National Seed Industry Council (NSIC) the mussaenda hybrids *M. 'Dona Amelita'*, named after First Lady Amelita Ramos; *M. 'Gloria Macapagal-Arroyo'*, dedicated to the former president and now house speaker; and *M. 'Zenaida Umali'*, wife of pioneering mussaenda breeder, Dr. Umali.

Ma'am TL also studied the biology of mussaenda. She undertook research on the cytology, morphology, floral biology, tissue culture, and enzyme polymorphism of the flower. She probed the origin of the parentals and hybrids of mussaendas for better understanding and planning of a breeding program and conducted mutation breeding to determine the origin of *M. 'Doña Aurora.'*

Fragrant ornamental crops like gardenia, magnolia, champaca, dama de noche, and cinamomo were also subjects of her research, as well as root crops onion, shallot, and garlic, for which she developed protocols in tissue culture.

After decades of sowing ingenuity, patience, and persistence in coming up with new crop varieties and hybrids, the time has come for Ma'am TL to reap her harvest – a flower that has just bloomed, bearing not only her name, but also her legacy as a woman of science and a creator of art. (Dr. Lourdes D. Taylo and Marilyn M. Beltran)

New Appointments

Appointed by the UP Board of Regents at its 1336th Meeting on Aug. 1, 2018



DR. WILLIE P. ABASOLO

Dean of the College of Forestry and Natural Resources (CFNR) from Mar. 3, 2018 to Feb. 23, 2021. This is the second term of Dr. Abasolo who first served as dean in March 2013. Dr. Abasolo is a professor at the Department of Forest Products and Paper Science of the CFNR.



ROLANDO T. BELLO

Dean of the College of Public Affairs and Development effective Aug. 1, 2018 until 31 July 2021. Bello is an associate professor who first served as dean of CPAf in Jan. 2003-Nov. 2006.



DR. JOSE V. CAMACHO, JR.

Dean of the UPLB Graduate School effective Feb. 24, 2018-Feb. 23, 2021. Dr. Camacho is a professor at the College of Economics and Management. He was first appointed as dean of the UPLB Graduate School in Feb. 2012 and for a second term in Feb. 2016.



DR. ELPIDIO M. AGBISIT, JR.

Dean of the College of Agriculture and Food Science (CAFS) effective Sept. 27, 2018- 26 Sept. 2021. Dr. Agbisit is an associate professor at and was the director of the Institute of Animal Science prior to his appointment as dean of CAFS.



DR. MARILYN B. BROWN

Director of the National Institute of Molecular Biology and Biotechnology effective Sept. 27, 2018- Sept. 26, 2021. Dr. Brown received her Bachelor's, Master's and Doctoral degrees from UPLB in 1980, 1986 and 1994 respectively. She was the deputy director of BIOTECH from June 10, 2015 to July 31, 2018.



DR. ARNOLD R. ELEPAÑO

Dean of the College of Engineering and Agro-Industrial Technology (CEAT) effective Nov. 24, 2018-Nov. 2020. Dr. Elepaño is a professor at the Institute of Agricultural Engineering. He first served as CEAT dean on Nov. 24, 2011-Nov. 23, 2014 and for a second term on Nov. 24, 2014-Nov. 23, 2017.



DR. DECIBEL F. ESLAVA

Dean of the School of Environmental Science and Management (SESAM) effective May 28, 2018- May 27, 2024. Dr. Eslava is an associate professor at SESAM. This is her second term as SESAM dean, the first being on May 2016-to May 2018.



DR. MERLYN S. MENDIOLLO

Director of the Institute of Biological Sciences, College of Arts and Science (CAS-IBS) effective June 1, 2018. Dr. Mendiolo is a professor in genetics and molecular biology at the IBS. This is Dr. Mendiolo's second term as director, the first being on June 1, 2016-May 31, 2018.



DR. MARIVIC S. LACSAMANA

Director of the Institute of Chemistry, College of Arts and Science (CAS-IC) effective Sept. 27, 2018-Sept. 27, 2021. Dr. Lacsamana earned her PhD from Macquarie University, in New South Wales, Australia in 1998 and is a professor at CAS-IC.



DR. RADEN G. PIADOZO

Dean of the College of Human Ecology (CHE) effective May 28, 2018-May 27, 2021. This is his second term as dean of CHE, the first being on May 28, 2015-May 27, 2018. Dr. Piadozo is also an associate professor at the Department of Community and Environmental Resources Planning of CHE.

Appointed by the UP Board of Regents at its 1338th meeting on Sept. 27, 2018

Personality sketch



Sir Leo

*expands sphere of service
from UPLBAA to UPAA*

He has worn many hats in his life—that of a forester, a public servant, a development worker, a consultant, a businessman, and a family man.

And if there is one role that has kept For. Leo R. Ballestin on his toes for the past couple of years, it is that of being the president of the UPLB Alumni Association, Inc. (UPLBAA).

This is especially true in the recent months in the thick of preparations for the Centennial Loyalty Day celebration. He endures the long drive from Antipolo City, where he resides, to the UPLBAA's headquarters in UPLB, to attend to his manifold duties to ensure that everything is in order for the milestone celebration.

Sir Leo admits that he was at first hesitant to assume the huge responsibility of leading the UPLBAA. But with the support of and encouragement from the board members, he became the first forester to handle the position after years of agriculture graduates at the helm.

His responsibilities as UPLBAA president is not to be sniffed at. With a staff of four housed in a spartan room at the Alumni Center, Sir Leo coordinates with alumni associations that are federated under the UPLBAA, implementing projects, and seeing to it that the alumni participate in them. And herein lies the rub because alumni involvement is voluntary.

But Sir Leo is able to muster the support of the alumni who are as dedicated as him to the UPLBAA. This alone shows his leadership. His being a sixth placer in the 1985 forester licensure examination and recipient of United States House of Representatives Special Congressional Recognition on Environmental Protection and Advocacy in USA in 2014 speak much of his intelligence and discipline, and his professional career is reflective of a person equipped for leadership.

He was the president of Bantay Kahirapan Foundation, Inc., a non-government

organization that provided rice subsidy to the poor and managing director of EZRA Konzult and Resources Management Company, a land-based resources management consultancy.

He also served as director for rural development of the Philippine Confederation of Community Development Economic and Cultural Foundation, Inc., a non-government organization for economic development of Lakas NUCD Party.

Currently, he is at the helm of Exponent L.I. Corp., a family-owned corporation that operates financial and lending services in Laguna and Pangasinan.

It probably helped that from 2013 to 2016, he was at the helm of one of the most active alumni organizations in UPLB, the College of Forestry and Natural Resources Alumni Association.

Under Sir Leo's presidency, UPLBAA continues to strengthen income-generating activities, such as the production of alumni ID and the marketing of the UP sablay, publications, and souvenir items. The Association has also collaborated with other alumni groups in their infrastructure projects around the campus.

Sir Leo plans to introduce more income-generating projects that would further improve the UPLBAA. Among these is the construction of the UPLB Tahanan ng Alumni, a state-of-the-art, eco-friendly, and digitally enabled building that will have the biggest convention facilities and help UPLB become an international education hub. It is going to be built on Pili Drive, near the area where the special economic zones will rise.

This year, Sir Leo will take on another hat, having been elected board member of the UP Alumni Association, Inc. For sure, it is one that he can dispense of capably and one that the UPLBAA has prepared him for. (*Kristine E. Araguas*)

UPAA honors outstanding UPLB alumni

Felicitations, reminiscences, and music filled the Ang Bahay ng Alumni in UP Diliman as celebrated graduates and jubilarians were honored during the UP General Alumni Homecoming on Aug. 18. Among them were six UPLB alumni who were recognized for excellence in their fields, and three families who produced multi-generation UP graduates.

Dr. Ruben L. Villareal (BSA '60; MS '63), former UPLB chancellor, was hailed as the UPAA Most Distinguished Alumnus for his achievements as a plant breeding specialist and researcher, educator, writer, and university administrator.

His brother, Dr. Reynaldo L. Villareal (BSA '67 and MS '75), was named Distinguished Alumnus in Science and Technology for his quest to make commercial rice and wheat varieties more productive, marketable, nutritious, and disease- and pest-resistant.

Other distinguished alumni were Dr. Ponciano A. Batugal (BSA '64 and MS '67) for poverty alleviation and human development; Dr. Ceferino P. Maala (DVM '71) for veterinary education and research; USec. Peter N. Tiangco (BSF '85) for public service and good governance; and BGen. Rodylyn Tingzon-Manzano (Reserved) (BSA '77) for women empowerment.

Dr. Batugal, founding director of the Coalition for Agricultural Modernization of the Philippines, was honored for advocating "research for development" to reduce rural poverty and promote human development.

Dr. Maala, professor emeritus at UPLB, was recognized for his teaching and research excellence in veterinary medicine.

USec. Tiangco, administrator of the National Mapping Resource and Information Authority, was cited for his contribution to the country's claim for an Extended Continental Shelf in the Benham Rise.

BGen. Tingzon-Manzano (Reserved) was noted for being the first female marine brigade commander and the first woman with the star rank of brigadier general in the male-dominated Armed Forces of the Philippines.

The UPAA Multi-generation and UP Alumni Family Awards were given to the Novero, Bautista, and Fandialan-Dalmacio families.

UP President Danilo L. Concepcion, UPAA President and UP Alumni Regent Ramon M. Maronilla, and UPAA First Vice President Oscar P. Palabyab presented the awards.

President Concepcion and Regent Maronilla reported the accomplishments of UP and UPAA, respectively.

With the theme *Mga Haligi ng Lahi* (Pillars of the Nation), the annual event featured musical and cultural performances, including those presented by the jubilarians. (*Pauly May Z. Valencia, with information from the 2018 UPAA Yearbook: Mga Haligi ng Lahi*)



THE VILLAREAL BROTHERS. Ruben and Reynaldo hold aloft their awards. (Photo by EMT Abundo)



PRIDE OF UPLB. Alumni awardees from UPLB join other honorees from the UP System during the UPAA alumni homecoming. (Photo by EMT Abundo)



UPLBAA PRESIDENTIAL AWARD

EMIL Q. JAVIER
BSA '60



NTG SERVICE AWARD

JOVITA L. MOVILLON
BS Sugar Tech '73, MS '77, PhD '86

THE OUTSTANDING UPLB ALUMNI AWARD



NELLY S. AGGANAN
BSF '79, MS '85
(Agriculture, Biotechnology, Research and Technology Development)



RODOLFO R. ALTAMIRANO
BSHE '81
(Education, Research and Training)



MINA C. BALLESTEROS
BA Socio '87
(Rural Development and Social Enterprise)



CLEOFAS R. CERVANCIA
BSA '68, MS '72, PhD '82
(Technology Development and Extension)



ALEXANDER C. CORTEZ
BA Comm Arts '76
(Culture and the Arts)



GUIDO ALFREDO A. DELGADO
BS AgriBus '79
(Energy Economics and Entrepreneurship)



REX B. DEMAFELIS
PhD Envi Sci '16
(Research Management and Administration)



ERIC D. LEGASPI
BS B...
(Promotional Health Development Neuro...)

COLLEGE DISTINGUISHED ALUMNI

COLLEGE OF AGRICULTURE AND FOOD SCIENCE



VILLALUZ ZARA-ACEDO
BSA '81, MS '87, PhD '18
Research and Dev't (Tissue Culture)



RENE RAFAEL C. ESPINO
BSA '72, MS '77
Teaching, R & E (Horticulture)



TELESFORO A. VEA
BSA '42
(Youth Development) Posthumous



MARIA OLIVIA P. PUENTESPINA
BSA '88
(Agricultural Entrepreneurship)



MILAGROS PARKER HOJILLA-EVANGELISTA
BSF '80, MS '84
Research & Dev't (Food Technology)



RICAMELA S. PALIS
BA Socio '87, MS '01
(Culture and the Arts)



MINA C. BALLESTEROS
BA Socio '87
(Rural Dev't & Social Enterprise)



DESIREE M. HAUTEA
BSA '77, MS '81
(Molecular Genetics & Agri Biotech)



APHIPHAN POOKPAKDI
BSA '68
(Agronomy and Tropical Agriculture)



DOMINGO E. ANGELES
BSA '76, MS '81, PhD '88
Teaching and Research (Horticulture)



VICTOR V. PEREZ
BSA '54
(Higher Education Administration)



MICHAEL L. MELENDRES
BSA '00
(Agriculture and Social Entrepreneurship)

COLLEGE OF ENGINEERING AND AGRO-INDUSTRIAL TECHNOLOGY



ELIZABETH BONIFACIO-MAGHIRANG
BSAE '82, MS '89
(Agricultural Engineering Research)



FRANCISCO ELEGADO
BS Sugar Tech '82, PhD '91
(Biotechnology)

COLLEGE OF FORESTRY AND NATURAL RESOURCES



FEDERICO L. OCAMPO
BSF '68
(Outstanding Public Service)



HONORIO M. SORIANO, JR.
MS '84, PhD '91
Public Service (Institutional Dev't)



2018 ALUMNI AWARDEES

OUTSTANDING GOLDEN JUBILARIANS



**APHIPHAN
POOKPAKDI**
BSA '68



**CLEOFAS RODRIGUEZ-
CERVANCIA**
BSA '68, MS '72, PhD '82



**JAVIER P.
MATEO**
BSA '68



**THELMA
ROMERO-PARIS**
BSA '68, MS '81



**NAZARIO S.
RACOMA**
BSA '68



**REYNALDO L.
VILLAREAL**
BSA '68, MS '75



**DENNIS C.
MASPI**
BS '82
(Department of Public Health
through
Department of Surgery)



**EUGENIO P.
MENDE**
DVM '00
(Veterinary
Medicine)



**PERRY S.
ONG**
BS Zoo '83, MS '88
(Environment
Conservation and
Sustainable
Development)



**JESUS BIENVENIDO
R. ROLA**
CiF '58
(Environmental
Protection, Natural
Resources Management
and Public Engagement)



**LUZ R.
TAPOSOK**
PhD Agri Edu '94
(Agricultural
Education and
Extension Leadership)



**ANABELLA
BAUTISTA-TULIN**
MS '87
(Research and
Extension)



**REYNALDO L.
VILLAREAL**
BSA '68, MS '75
(Rice and
Wheat Breeding,
Genetics and Training)



**IRENEO V.
VIZMONTE**
BSAE '81
(Good Governance
and Public Service)

ES

COLLEGE OF DEVELOPMENT COMMUNICATION



**RAYMOND C.
NUÑEZ**
BS Com Sci '02
(Information
Tech Dev't)



**PABLITO F.
AQUINO**
BA Socio '91
(Enterprise Dev't &
Corporate Governance)



**SERLIE B.
JAMIAS**
BSDC '83, MS '87
(Dev't Communication
Education &
Community Relations)



**SYLVIA KATHERINE
S. LOPEZ**
BSDC '81, MS '87
(Agricultural
Communication)



**ROGELIO P.
MATALANG**
MS '88
(Community
Broadcasting)



**SORHAILA LATIP-
YUSOPH**
MS '06
(Peace Education
and Communication)



**VIDA SORAYA
S. VERZOSA**
BSDC '05
(Children & Women's
Rights Advocacy)

D GY

COLLEGE OF ECONOMICS AND MANAGEMENT



**ROMEO E.
CAPUNO, JR.**
BS Chem Eng '95
(Global Corporate
Management)



**ENRICO P.
VILLANUEVA**
BSECO '91
(Financial Risk
Management & Dev't)



**ANA CECILIA
S. PALMA**
BS AgriBus '95
(Agribusiness &
Entrepreneurship)



**HAIDELYN P.
AREVALO**
BSAgEcon '06
(Public Service)



**RODOLFO T.
AZANZA, JR.**
BSECO '90
(Energy Sector
Development)



**CARLOS LORENZO
L. VEGA**
BSECO '02
(Leadership &
Corporate Governance)

NATURAL RESOURCES



**CENON B.
PADOLINA**
BSF '70, MS '78
(Public Service
(Private Sector))



**INA Q.
GUILLERMO**
CiF '95, BSF '98, MS '04
(Institutional Service
(Renewable Energy))



**BRESILDA M.
GERVACIO**
BSF '74
(Public Service
(Government Sector))



**YESHEY
DORJI**
BSF '98
(Public Service
(International Sector))



**EDWINO S.
FERNANDO**
BSF '75, MS '80
(Institutional Service
(Education Sector))



**NATHANIEL C.
BANTAYAN**
BSF '84, BSFPE '85
(Institutional Service
(Research Sector))



**ROBERTO P.
CERENO**
BSF '81, MM '87
(Institutional Service
(Forestry Extension))

COLLEGE DISTINGUISHED ALUMNI

COLLEGE OF HUMAN ECOLOGY



MARINELA MARQUEZ-NUNEZ
BSHE '85
(Gender & Rights-Based Rural Dev't)



MELISSA P. FERIDO
BSHE '89, MS '02
(Education, Research & Training)

COLLEGE OF PUBLIC AFFAIRS AND DEVELOPMENT



LOPE A. CALANOG
PhD '93
(Research & Dev't Management)



MADAN RAJ JOSHI
MS '01
(Dev't & Humanitarian Work)



FERNANDO V. MAGDATO, JR.
PhD '15
(Agricultural Extension)



MYRANNOR H. MIRABEL
BSHE '02
(Local Community Empowerment)



NATALIE V. PULVINAR
BS Nutrition '95
(Promoting Nutrition Legislative Advocacies)



LUZ R. TAPOSOK
PhD '94
(Agricultural Education & Extension Leadership)



LEONARDUS TUMUKA
PhD '15
(Community Service)

COLLEGE OF VETERINARY MEDICINE



CAPT. MARJORIE V. ADVINCULA-FILOTEO
DVM '86
(Military Service)



FLORISA M. VILORIA
DVM '92
(Private Practice)



EDNA ZENAIDA VELARDE-VILLACORTE
DVM '78
(Veterinary Public Health)



SIMEON AMURAO, JR.
DVM '77
(Government Service)



MICHELLE GRACE VALLE-PARASO
DVM '97
(Education)

SCHOOL OF ENVIRONMENTAL SCIENCE AND MANAGEMENT



RAMON M. DOCTO
PhD '03
(Institutional Service)



MARI-ANN M. ACEDERA
MS '93, PhD '13
(Research and Dev't)

MULTI-GENERATION UPLB ALUMNI RECOGNITION

PAYAWAL FAMILY

Pacifico C. Payawal | MS Botany '72
Melissa Payawal-Ferido | BSHE '90, MS '03
Ma. Charina S. Payawal-Maneja | BS Nutrition '90
Helga S. Payawal-Vergara | BSHE '98
Claudia Payawal-Javier | BSF '88, MS '02
Eleanor Payawal-Manipol | BSDC '92
Miguel Payawal Ferido | BSDC '06
Bianca Isobel P. Ferido | MS '18

ARCA-ALEJAR FAMILY

Arturo S. Alejar | BSA '58, MS '74
Arcelia M. Alfonso | BSA '58, MS '70
Arturo A. Alejar | BS Chem '79
Reena Angeli Arca-Alejar | BSHE '84
Rosario Arcelia A. Alejar | BSA '10, MS '14

AGUIERO FAMILY

Vlardimarte M. Aguiro | BSA '64

Johanna M. Aguiro | BSA '91
Hanna Danielle Aguiro | BS Bio '18

FAUSTINO FAMILY

Dominador G. Faustino | BSF '42
Dominador M. Faustino Jr. | BSF '61
Florante C. Faustino | BS Forest Products Eng '78
Francesca M. Pamplona-Faustino | BS Botany '86
Anna Floresca P. Faustino-Firmalino | BSECO '98, MS '04
Belle Faridah P. Faustino-Wallace | BSDC '00
Tara Faith P. Faustino-Markiel | BA Socio '03
Franco Mikhael Faustino Abrina | BSDC '15

MENDOZA FAMILY

Valerio B. Mendoza | BSF '60, MS '77
Maria Rebecca Mendoza-Celles | MS Applied Nutrition '88
Marlo D. Mendoza | BSF '86
Yolanda Benedicta Mendoza-Ripley | MS '95

Erwin D. Mendoza | BSA - AnSci '92
Lionel D. Mendoza | BSECO '93
Maria Emelinda T. Mendoza | BA Socio '85
Marivic L. Mendoza | BSA '92, MS '00
Diana T. Mendoza | BSHE
Heidi D. Mendoza | BSDC '13, MS '18
Marc Joshua T. Mendoza | BA Comm Arts '15
Stephen T. Mendoza | BSF '18

FANDIALAN FAMILY

Juan C. Fandialan | BS Sugar Tech '38
Ida Fandialan-Dalmacio | BSA '70, MS '72
Anthony Charles F. Dalmacio | BS Bio '94
Leslie Michelle M. Dalmacio | BS Bio '94, PhD Molecular Biology & Biotechnology '12
Samuel C. Dalmacio | BSA '67, MS '70

Why we celebrate ... from page 1**THE PHILIPPINE NATIONAL GUARD**

Two top leaders in the colonial government had pushed for PNG's aid to the US in the War. These were American Governor General Francis Burton Harrison, an advocate of "Filipinization" and Manuel L. Quezon, then Senate President, who authored Act 2715 (Militia Act) that created the PNG. The Philippine Legislature approved it on March 17, 1917.

Quezon himself commended UPCA's response. "Congratulate you and your college upon the splendid showing of devotion to country," he said. UPCA's more than 100 contingent added to around 14,000 PNG enlistees in the country who were trained in Camp Claudio, Parañaque.

According to Dr. Ricardo T. Jose, professor of history at UP Diliman, in his study "The Philippine National Guard in World War I" published in 1988 in the Philippine Studies, a journal of the Ateneo de Manila University, PNG was patterned after the US National Guard, an umbrella organization of reserve military force.

"The act was intended to be a show of loyalty to the United States, to impress upon the Americans that the Filipinos shared the same sentiments as their colonizers," said Dr. Jose, of Harrison and Quezon's initiative.

It would take almost a year for the United States to officially recognize the PNG. On January 20, 1918, US President Woodrow Wilson signed the law calling them for service to the US government. "Unknown to [Harrison and Quezon], the US Army was highly skeptical of the whole plan, just as Gen. Robert Evans (Commanding

General of the US Army Command in the Philippines) in Manila was," Dr. Jose said.

Dr. Jose noted that President Wilson's approval revitalized the enlistment to the PNG from February to March 1918. This was because even prior to the approval of the United States, Harrison and Quezon had been gathering thousands of volunteers for the PNG.

Trainings were being held from July to October 1918, but still, Dr. Jose's sources said that by September 1918, more than 60% of the required workforce was unfilled. The call for PNG trainees reached UPCA amid the apprehensions and resistance from prospective volunteers. As Dr. Jose's sources said, resistance was caused by people having to give up their work and pronouncements by a public official that volunteerism to the PNG was unnecessary. An influenza epidemic also spread in the camp, affecting 650 volunteers from all over the country.

At the height of preparation and trainings on November 11, 1918, however, World War I ended with an armistice. The PNG no longer had an actual War to fight in.

HOW LOYALTY DAY EVOLVED

The experiences of UPCA as volunteers to the PNG remained in the College's collective memory in the months that followed. On Oct. 11, 1919, the memorable day was first celebrated as the National Guard Day. The celebration was highlighted by a combined military parade, a musical program, and a sports event.

In 1921, the UPCA Student Body passed a resolution to the UP Board of Regents (BOR) to declare October 10 as an official

holiday in the College, to be called the Loyalty Day.

The resolution articulated: "The spirit of loyalty of the men who then offered their services, at the sacrifice of their study, should always be looked on with special regard by future members of the College of Agriculture Student Body and Faculty, and should foster the spirit of loyalty among them."

By October 10, 1921, UPCA had begun considering Loyalty Day a campus holiday. The BOR would declare it as an official college holiday a little later, on January 10, 1922.

In 1933, Loyalty Day officially became UPCA's alumni homecoming day, although as early as 1929, it was recorded that alumni working outside UPCA had attended the celebration.

Loyalty Day progressed as a grand event that attracted American governor generals, future and current presidents, and the American high commissioners. It served as a platform for them to talk about loyalty during the time when the United States was preparing the country for self-governance; and on national development at the beginning of the country's independence.

As one looks back to the very beginning of the Loyalty Day, some may question its colonial context. One thing remains unchanged though: when the state called for brave volunteers, the UPCA community did not hesitate to stand up.

That alone was a reason for celebration – one that has lasted for 100 years, and counting. *(Mark Jayson E. Gloria)*

UPLB links ... from page 1

highlighted by the turnover-induction of four faculty members and researchers from UPLB who will be the pioneer batch to take the Dual PhD by Research at the Uni of Reading.

These are Aldo Gavril Lim of the College of Development Communication, Guinevere Madlangbayan of the College of Public Affairs, and Emmanuel Genesis Andal and Richard Daite, both of the College of Economics and Management.

Dr. Camacho hailed the sending of the pioneer batch as [a sign that] one of UPLB's academic partnership initiatives is now bearing fruit. The Dual PhD by Research with the University of Reading is implemented under the auspices of the British Council-Commission on Higher Education (CHED) Transnational Education-Joint Development of Niche Programmes. The program is funded by the British government and CHED.

After the visit at the Uni of Reading, the UPLB delegation proceeded to the University of Surrey and the University of Liverpool for the next academic partnership meetings on joint graduate programs and collaborative research.

With the delegation to the United Kingdom were CEAT Dean Dr. Arnold Elepaño, dean of the College of Engineering and Agro-Industrial Technology; Dr. Rex Demafelis, vice chancellor for research and extension; Dr. Eduardo Torres, dean of the College of Veterinary Medicine. Dr. Simplicio Medina, director for international linkages; and Anna Fimalino, faculty member at the College of Economics and Management. *(Josephine M. Bo)*

UPLB mounts biodiversity exhibit

Festive and critical is UPLB's yearender exhibit "Art in Biodiversity".

Exploring a wide range of mediums, styles and techniques, the group show brings together a select group of painters, sculptors, and mixed-media artists. It is a fitting tribute to UPLB on its 100th Loyalty celebration.

Most of the featured works are hinged on conservation as the *raison d'être* of biodiversity. Highlighted are flora and fauna that are rather peculiar in the country and the Southeast Asia. Endemicity, one of the hallmarks of biodiversity, becomes a rallying point in the exhibit.

A few artists, however, dare to trek another equally important aspect of biodiversity: endangerment. Its urgency is evident in our quest for survival in the midst of finite resources available. This is biodiversity's critical turn.

The artists' pieces are a tapestry of visual communication, and viewers decode their meanings in more ways one could possibly imagine.

Hopefully, "Art in Biodiversity" would succeed not only in creating a platform for the celebration of biodiversity, but also in stirring public consciousness on its endangerment.

"Art in Biodiversity" opens at 4PM on October 8 at the Sining Makiling Gallery, DL Umali Hall, UPLB. Exhibit runs until December 2018. *(Jerry R. Yapo)*

**DR. VENTURA****DR. GEVAÑA****2 from UPLB awarded OYS**

Two from UPLB were given the Outstanding Young Scientist (OYS) awards at the awarding ceremony of the 40th Annual Scientific Meeting of the National Academy of Science and Technology held on July 12 at the Manila Hotel.

Dr. Dixon T. Gevaña, assistant professor at the Department of Social Forestry and Forest Governance,

College of Forestry and Natural Resources, received the OYS Award for his work in forest environmental science.

He pioneered research on mangrove blue carbon and tree biomass modelling and developed community-based stand management designs and strategies to best manage mangrove

plantations. Mangroves mitigate climate change and promote local economic development.

Dr. Gevaña conducts researches on estimating ridge-to-coast forest carbon stocks emphasizing the importance of landscape management approach in studying linked ecosystems. Among his most cited research work is on tree biomass and carbon stock of a community-managed mangrove forest in Bohol, Philippines and on tenure reform on Philippine forests and their socio-economic and environmental impact.

Dr. Jey-R S. Ventura, assistant professor at the Department of Engineering Science, College of Engineering and Agro-Industrial Technology was given the OYS Award for his work in environmental engineering and biotechnology.

Dr. Ventura developed a technology that enhances sludge reduction and nutrient removal of domestic wastewater.

He developed a recombinant strain for improved yield of biobutanol production and explored other bioenergy platforms such as anaerobic digestion of food waste and biodiesel production from microalgae. Among his frequently cited works is his life cycle analysis of microalgae bioenergy routes.

Dr. Ventura leads three research projects, foremost of which is on polyhydroxyalkanoates production from agricultural residues. The project aims to produce a biopolymer material using cheap substrates to replace petroleum-based plastics or to produce a high-value application of the produced material.

NAST Philippines was established in 1976 to provide meaningful incentives to those engaged in scientific and technological research, as well as give due recognition to outstanding achievements in science and technology. *(Josephine M. Bo)*

HIGHLIGHTS OF UPLB ACCOMPLISHMENTS

This is a report on the highlights of our accomplishments a year (Nov. 2017-Oct. 2018) after our team was given a fresh mandate to manage and take care of UPLB. It covers milestones made in that period with references to accomplishments during our first term (Nov. 2014-Oct 2017).

We pursued initiatives guided by our vision-mission of a globally competitive graduate and research university contributing to national development, focusing on three key goals, namely: to sustain UPLB's academic leadership and excellence, promote the use of its knowledge and technologies towards attaining inclusive growth, and create an enabling environment for creativity and innovation to flourish.

SUSTAINING ACADEMIC LEADERSHIP AND EXCELLENCE

I. GLOBAL AND NATIONAL QUALITY ASSURANCE



5 ASEAN University Network-Quality Assurance (AUN-QA) certifications

BS Agriculture
BS Agricultural & Biosystems Eng'g
BS Biology
BS Development Communication
BS Forestry



1st & only state university in the Philippines to undergo quality assessment under the European Union Support to Higher Education in ASEAN Region (EU-SHARE)

Findings: UPLB is globally well-aligned with ASEAN Quality Assurance Framework



Performance in Professional Regulation Commission-administered licensure examinations (Nov 2017 - Oct 2018)

Agricultural and Biosystems Engineer
46/47 passers (97.87%)
Ranked 1, 2, & 8 in top 10

Agriculturist
58/60 passers (98.67%)
Ranked 3, 4, 5 (2 placers), 6, 7, 8
Sole top performing school

Chemical Engineer
November 2017
53/61 (86.89%)
Top performing school

May 2018
16/29 (55.17%)
Ranked 4

Chemist
2017
52/60 (86.67%)
Ranked 1, 2, 5, 6, 9

Civil Engineer
26/27 (96.30%)

Electrical Engineer
April 2018
53/53 passers (100%)
Ranked 1, 2, 3 (2 placers), 5, 6, 8
Sole top performing school

September 2018
10/10 (100%)

Environmental Planner
115/139 (82.73%)
Ranked 10

Forester
137/137 (100%)
Sole top performing school
Ranked 1, 5, 9, 10

Nutritionist/Dietitian
104/104 (100%)
Top performing school
Ranked 3, 5, 9

Teachers
39/39 (100%)

Veterinarian
58/62 (93.55%)
Ranked 8, 10

Industrial Engineer (IE Certification Board Exam)
19/19 (100%)
Ranked 1, 7



CHED Centers of Excellence (COE) and Development (COD) as of 2016

9 COEs (agri, agri eng'g, dev com, forestry, vet med, biology, info tech, statistics, and envi sci)
1 COD (chem eng'g)

II. UPDATING CURRICULAR PROGRAMS AND HUMAN RESOURCE DEVELOPMENT FOR QUALITY ASSURANCE

For global competitiveness, we revised undergraduate degree programs and aligned them with the K-to-12 program, taking the opportunity to also integrate entrepreneurship in view of the paradigm shift from production agriculture to the value chain perspective.

We conducted the series of Training-Workshops on Outcomes-Based Education for Quality Assurance to capacitate faculty members in drawing up learner-centered learning outcomes. Moreover, we trained faculty members to equip them with innovative teaching skills appropriate for today's learner.



28 BS/BA degree programs revised/aligned to K-to-12 and to integrate entrepreneurship and to add more lab subjects



667 faculty members from **10** units trained in Outcomes-Based Education for Quality Assurance



Completed Seminar on College Teaching
Jan 2015-July 2017, 251 teachers
Jan 2018-July 2018, 68 teachers

Faculty development and continuing education

54 faculty members awarded postgraduate scholarship grants during K-to-12 transition

40 faculty members trained on e-learning trends & packaging interactive learning materials

50 faculty members trained in innovative teaching skills for millennial learners.

188 graduate faculty members attended 2015 Graduate Faculty Conference

341 faculty members attended 2 Academic Leadership Conferences

35 heads of office completed Higher Educ Administrators' Dev't seminar

85 heads of office completed Higher Education Assessment seminar



Incentives for enhanced faculty productivity

108 faculty members awarded One UP Professorial Chair
69 faculty members awarded One UP Faculty Grant
21 awarded UPLB Centennial Professorial Chair
22 awarded UPLB-wide Professorial Chair

To institutionalize quality assurance, we proposed to the Board of Regents the creation of the UPLB Quality Assurance Office that will facilitate all QA-related activities in UPLB.

III. MULTIDISCIPLINARY AND COLLABORATIVE PROGRAMS FOR INTERNATIONALIZATION AND CAPACITY BUILDING

We instituted new modes of delivery of postgraduate programs to provide a fresh and dynamic, multidisciplinary, and multicultural perspective to the training and education of faculty members.



1st & only Asian Satellite Campus of Nagoya University in the Philippines

1st to offer Dual PhD by Research with Uni of Reading, UK; Curtin Uni, Australia, and UP Mindanao



Maintains academic and research collaboration agreements with 110 universities in 28 countries

With instruction as our primary form of public service, we have a responsibility to help increase knowledge capital, thus the establishment of the UP Professional School for Agriculture and the Environment in Davao, the country's food basket, in collaboration with Anflo Management and Investment Corporation.

PROMOTING THE USE OF KNOWLEDGE AND TECHNOLOGIES TOWARDS ATTAINING INCLUSIVE GROWTH

IV. SCIENTIFIC PRODUCTIVITY, INNOVATION, AND TECHNOLOGY COMMERCIALIZATION



UPLB Technologies commercialized by the private sector

3 papaya hybrids, **1** microbial rennet, **1** biocontrol agent, **1** biopesticide, **7** biofertilizers, **2** coating products to delay fruit ripening

For productivity and innovation to continue to flourish, we have set up the Technology Hub adjacent to Baker Hall. It will become a venue for collaboration and will promote the birth of new concepts, innovations, research projects, and technologies.



UP Scientist awardees from UPLB (2018) (UP Scientific Productivity System)

- **31** from UPLB
- **13** from UP Diliman
- **10** from UP Manila
- **14** from UP Baguio, UP Visayas, & UP Mindanao

Total: 68

R&E funds 2015-2018*
Government funding agencies **2.215B**
International funding agencies **0.046B**
Local/Private funding agencies **0.067B**

TOTAL 2.328B
*UPLBFI funds not included

Completed research projects 2015 - 2018

2015 : **269**

2016 : **238**

2017 : **261**

2018 : **370** (as of Sept. 2018)

Interdisciplinary Studies Centers

- Food and Nutrition Security
- Climate Risks
- Integrated Natural Resources and Environment Management
- Biofuels
- Nanotechnology
- Bee Program
- Natural Products
- Organic Agriculture
- Water
- Life Cycle Assessment Laboratory
- Philippine Genome Center Agriculture, Livestock, and Fisheries



Scientific Journals

- The UPLB Journal
- Ecosystems and Development Journal
- Philippine Agricultural Mechanization Journal
- Philippine Journal of Agricultural and Biosystems Engineering
- Museum Publications in Natural History

- Agricultural and Applied Economics Research Bulletin
- Journal of Economics, Management and Agricultural Development
- Journal of Environmental Science and Management
- Journal of Human Ecology
- Journal of Public Affairs and Development
- The Philippine Agricultural Scientist
- Philippine Journal of Biotechnology
- Philippine Journal of Development Communication
- Philippine Journal of Veterinary Medicine



Public service through the National Corn-based Farmer Scientist RDE Training Program (FSTP)

PhP 2.0 million add'l funds provided by UPLB to FSTP annually
FSTP has helped 72 municipalities in 34 provinces in Regions 1-13.



24 years of service through the Ugnayan ng Pahinungod

CREATING AN ENABLING ENVIRONMENT FOR CREATIVITY AND INNOVATION TO FLOURISH

V. INFRA AND FACILITIES DEVELOPMENT



87 infrastructure projects worth PhP 2.1 billion, 2015-2017

- Academic buildings
- Roads and bridges
- Small classrooms
- Upgraded restrooms



Some major buildings in various stages of procurement & construction

College of Economics and Management, Graduate School International Students and Cultural Center, Philippine Center for Tropical Forest Science, UP Rural High School Senior High School Building, Philippine National Collection of Microorganisms, National Plant Genetic Resources Laboratory, Nanoscience and Technology Facility, Philippine Genome Center Agriculture, Livestock, and Fisheries Building, School of Environmental Science and Management, Sports Complex Facilities, Food Processing Research Center, University Health Service Extension Building

These infrastructure projects are part of the overall plan for the UPLB landscape and infrastructure development or the UPLB Master Plan that we are putting into place. The Master Plan divides the campus into different complexes composed of buildings and other facilities based on their functions and use.



UPLB Master Plan

Zones in the UPLB Campus Master Plan

- Global Academic Zone

- Copeland Commons

- Copeland North Student Services Cluster

Adjacent to the research facilities of the IPB, BIOTECH, and NCPC is the PEZA-designated 60-hectare Agro-Industrial Park and 10-hectare Information Technology Park special economic zones (SEZ). A team is now looking into marketing the SEZs as Agrifutura.



Improved UPLB internet connectivity

- Increased bandwidth from 103 Mbps to 2.155 Gbps
- Implementing 5-phase fiber optic project
- Set up 250 WiFi hotspots all over the campus



Upgraded electricity infra & supply

- PhP 11.099 million to upgrade overhead lines at Forestry
- PhP 0.643 million labor to replace overhead lines
- PhP 8.5 million to replace 110V with 220V transformers
- PhP 13.4 million back-up power generators acquired
- PhP 19.834 million to replace sodium vapor with LED lamp lights
- PhP 1.60 million to replace overhead & secondary electrical lines at BIOTECH
- Generated savings as direct member of the Wholesale Electricity Spot Market



PhP 290 million to refurbish & re-equip laboratories in 9 colleges/school with support from UP System, DA-BAR, DOST and its councils such as PCAARRD and PCIEERD, USAID Science Technology, Research and Innovation for Development Program, Tokyo University of Agriculture, South Korea-Asian Food and Agriculture Cooperation Initiative, private sector

VI. ENHANCED & PROFESSIONALIZED SECURITY PERSONNEL



Security personnel

45 University Police Force (UPF)
73 Community Support Brigade (CSB)
63 Blue Guards

Training programs attended by UPF and CSB

- traffic enforcement
- disaster risk reduction and management
- search and rescue operation
- first responder and first aid
- cave rescue
- hand held radio operations
- gender sensitivity
- drug addiction and prevention

Improved resources for public safety

- Biometrics devices in dormitories
- CCTVs installed in strategic places
- New hand-held radios
- New firearms
- Well-lighted streets
- Late night free transport service to students from UPLB gate

VII. A CLEAN AND RESILIENT CAMPUS



Green campus

- Environmental Compliance Certificate issued to UPLB
- Establishment of UPLB Environmental Unit
- Establishment of a Materials Recovery Facility
- Trees preservation in campus in the midst of physical development



Disaster and Risk Reduction Management

- Institutionalized regular inspections for disaster preparedness
- Conducted fire and earthquake drills
- Organized the Disaster and Risk Reduction Task Force
- Membership in the Los Baños DRM Council
- Staff trained in Basic Occupational Safety and Health

VIII. UPHOLDING THE WELFARE OF STAFF AND STUDENTS



Faculty and REPS welfare

- Implemented policy that paved way for tenure to 31 REPS
- Organized ad hoc committee on REPS welfare
- Endorsed REPS promotion guidelines to the Office of the President
- Promoted 86 REPS from 2015 to 2018
- Established Academic Development Fund for faculty & REPS
- Filled up 83 new faculty items



Student welfare

Initiatives in dormitories

- Repairs & renovations
- Replaced over 2,000 dorm mattresses
- Installed CCTVs, free WiFi access
- Installed landline & mobile phones
- Allocated space for computer rooms
- Periodic fumigation
- Equipped dorms with sports facilities

- Equipped dorms with furniture for group meetings

- Inter-dorm sports fest held as part of total wellness campaign

- Dorm managers trained in wellness counseling

Academic & financial support to students

- Provided tutorials to 3,500 students
- Conducted Summer Bridge Program in math & English
- Conducted customized training programs to 160 students in 15 topics
 - On top of free tuition, continued to implement
 - Student Loan Board
 - Emergency Cash Loan w/ minimal interest
 - Student Assistantship Program
 - Private & government scholarships



Staff housing initiatives

- "Ayo Saturday" mobile service repair
- Responsible pet ownership drive
- Reacquired/converted legacy housing into staff housing units
- Organized neighborhood associations



Improved health service

- Institutionalized health programs
- Established clinic for an in-house mental health professional
- Facilitated donations of bed linens, pillow cases, hospital gowns
- Facilitated donations of medical equipment & supplies



Institutionalized health programs

- UHS Diabetes Mellitus Health Education Program
- UPLB Quit Smoking Support Program
- UHS Nutrition Counseling Program
- Elderly Development Program
- UHS Mass Immunization Program
- UPLB Health Maintenance Organization
- UPLB Community Chest

IX. EXPANDED ALUMNI NETWORKS



- Designed & deployed Alumni Information Database System
- Published electronic newspaper for alumni: "UPLB Now"
- Developed/managed alumni website
- Relunched "Alumni Espasyal" privilege card
- Facilitated donations for student scholarships



OFFICIAL LOYALTY DAY SONG. “Pamantasang Hirang” composers, interpreters, and musicians cheer on after being declared as the music tilt winner. Joining them are the judges and event organizers. (Photo by CVLabe/OPR)

“Pamantasang Hirang” is 100th LD theme song

An original composition that pays homage to the University hymn, “UP Naming Mahal,” and the agricultural roots of UPLB, has been declared as the official song of the UPLB Centennial Loyalty Day.

Composed by alumna Kim Camille Beltran, and students Kim Rasel Gutierrez and Ivan Ulgado, “Pamantasang Hirang” speaks about the seeds that the University has sown in its students, and celebrates the fruits of its labors which it offers to the Filipino people.

“Pamantasang Hirang” bested six other finalists in the music competition that was held to jump-start the celebration of the 100th Loyalty Day. The songs written were based on the 2018 UPLB Loyalty Day theme “100 Years of Uplifting People’s Lives and Beyond.”

During the performance night on Aug. 30 at the REDREC Auditorium, Harmony: The String Ensemble of UPLB, which counts the composers as its members, together with guest keyboardist Rusty Placino and flutist Marcelo Espiritu accompanied singers Franz Oliva, Odraude Alub, Pearl Stephanie Orendain, and Bianca Meer in interpreting the winning song.

The cash prize for “Pamantasang Hirang” is PHP 25,000. The song will be performed at the Centennial Loyalty Day Alumni Awarding Ceremony on Oct. 9.

The music and songwriting competition was organized by the Office of Alumni Relations and the UPLB Alumni Association. (Jessa Jael S. Arana)

Class ‘68 puts up waiting sheds in the campus



SHIELD FROM RAIN OR SUN. Located across the Christian School International is one of the six waiting sheds that the UPCA Class ‘68 has constructed in the campus. (Photo by VRManingas/OPR)

UPLB is noted for sudden downpours, and within minutes, the sun shining high and hot, or vice versa.

Thus, a shelter from the elements is always welcome when one is on foot or waiting to take a jeepney ride.

With this in mind, the members of UPCA Class 1968, this year’s Golden Jubilarians, donated waiting sheds to UPLB.

Two are found along Jose R. Velasco Ave., near the Department of Agribusiness Management and Entrepreneurship Building; and across the Christian School International compound.

Another one was constructed beside the DL Umali Hall along Jose B. Juliano Ave., and two others were built on the stretch of Andres P. Aglibut Ave., near the UPLBFI/

PAMANTASANG HIRANG

Kim Camille Beltran, Kim Rasel Gutierrez, & Ivan Ulgado

Tulay:

Saan man ako tangayin,
mapalayo sa’yong piling
Marating man namin yaong
malayong lupain
Paakyat man, pakanan o
pakaliwa
Mananatiling naka-ugat sa
tinubuang lupa

Koro:

Panahon na upang anihin na
Puno ng pangarap, puno ng
pag-asa
Ipagdiwang ang tagumpay,
ipagdiwang ng may Sablay
Ang isang siglo ng
pagbibigay-buhay
Sa ating bayan ng
Pamantasang Hirang!

Koda:

Patungo sa pagsibol ng
Panibagong siglo ng
Paglilingkod sa bayan ng
Pambansang Pamantasan

Lahat ito’y handog sa bayan
ng Pamantasang Hirang!
Ikaw at ako’y handog sa bayan
ng Pamantasang Hirang!

Sa at’y itinanim nitong
Pamantasang Hirang
Ipinunla’y karunungan,
nagbukas ng kamalayan
S’yang nagpayabong ng
damdaming makabayan
Lahat ito’y handog sa bayan
ng Pamantasang Hirang!

Sa’yo natutong magtanim
nang bukas ay may maihain
May halaga sa bawat buhay,
tapat sa panatang makapalay
Binigyang dangal ang bawat
magsasaka
Lahat ito’y handog sa bayan
ng Pamantasang Hirang!

Koro:

Panahon na upang anihin na
Puno ng pangarap, puno ng
pag-asa
Ipagdiwang ang tagumpay,
ipagdiwang ng may Sablay
Ang isang siglo ng
pagbibigay-buhay
Sa ating bayan ng
Pamantasang Hirang!

PADAYON!

PHILPOST/PNB Area, and opposite the College of Engineering and Agro-industrial Technology.

The sixth will be constructed at the Calixto Mabesa Hall Area along Makiling Road, across the College of Forestry and Natural Resources administration office.

Each waiting shed has a floor area of 4m x 3m, with 12mm thick concrete slab, metal trowel and maroon color additive floor finish, and stamp concrete floor pattern or tile finish.

The donors, led by Dr. Reynaldo L. Villareal, Golden Jubilarians Class ‘68 president, said that the waiting sheds are durable, termite-

resistant, and can withstand hazardous weather conditions.

Nazario S. Racoma, member of Class ‘68 and chair of the ways and means committee of the Centennial Loyalty Day celebration, designed the waiting shed. Class ‘68 hopes that it will become the standard waiting shed prototype in the campus.

Local construction workers were tapped to build them to help generate more labor and income for the people of Los Baños.

The infrastructure project was implemented in cooperation with the University Planning and Maintenance Office. (Juan Paolo A. Aquino)