

EMERGING INTER DISCIPLINARY RESEARCH (EIDR) PROGRAM

ONGOING AND COMPLETED IN 2018

KRA: TRANSPARENT, ACCOUNTABLE AND PARTICIPATORY GOVERNANCE

Program Title	Name of Proponent	CU/College/Unit	Beneficiaries	Duration	Start Date	End Date	Total Program Budget	STATUS	Publications	No. of Mentored / Graduated Students			Other Outputs
					Year	Year				BS/BA	MS/MA	PhD	
Social-ecological resilience on different spatial and temporal scales (Emphasis on the coast)	Yap, Maria Helena	DIL CS MSI	LGUs, coastal and rural communities, farmers, researchers	4 Years	2012	2016	9,159,992.00	Completed	<p>Wagner A, Yap DLT, Yap HT. 2015. Drivers and consequences of land use patterns in a developing country rural community. Agriculture, Ecosystems and Environment 214, 78-85.</p> <p>Labao AB, Naval PC Jr, Yap DLT, Yap HT. 2017. Influencing rural livelihood switching through equipment assets for agroecosystems to alleviate pressure on resources. Agriculture, Ecosystems and Environment 248, 96-104.</p> <p>Azcuna M, Tun JO, Yap HT, Concepcion GP. 2018. Callyspongia samarensis (Porifera) extracts exhibit anticancer activity and induce bleaching in porites cylindrica (Scleractinia). Chemistry and Ecology, DOI: 10.1080/02757540.2018.1437148</p>		2		<p>Graduated 1 MS student from Karlsruhe Institute for Technology and 1 MS student from Ecole Normale Supérieure de Paris</p> <p>ABS-CBN video on Abra de Ilog, Mindoro</p> <p>MOU between UP and Ecotone Resilience</p> <p>Locqueville, J, Yap, HT. Landsat time series to monitor swidden decline in a center of diversity (Philippines). Submitted to "Remote Sensing Applications: Society and Environment" (Under revision)</p> <p>Labao, AB, Naval Jr, PC, Yap, DLT, Yap, HT. Using deep-belief networks to predict work-shifting probabilities in a rural Philippine community to assist management approaches. For possible submission to "Conservation Biology".</p> <p>Olivares, J, Bantang, J, Yap, HT. Extracting complex network structures from a socioeconomic system in a high biodiversity area. For submission to a journal on complexity.</p> <p>Servonnat M, Kaye R, Siringan FP, Munar J, Yap HT. Imperatives for conservation in a threatened center of biodiversity (Submitted to "Coastal Management").</p> <p>Yap HT. One-ecosystem analysis for environmental conservation and sustainable livelihood (Submitted to "F1000 Research" Open Platform publishing)</p>
HULLUBATON: Putting together the Mandaya Dawot	Quintero, Genevieve	MIN CHSS Humanities Department	Researchers, academe, indigenous communities	4 Years	2012	2014	2,941,741.58	Terminated					<p>Audio files of the Hullubaton (Gambang and Llumungtad) and Hullubaton (Buyag and Sadya)</p> <p>Video of the Mandaya Dawot and The Mandaya Balyans</p> <p>Five Hullubaton texts have been recorded, transcribed and written down</p> <p>The Hullubatons have been translated into two languages: English and Visayan</p> <p>Presentations in international conference</p>
Towards good water governance for development: A multi-case analysis	Rola, Agnes	LB CPAF Institute for Governance and Rural Development	Policy makers, water districts, LGUs, national government agencies, academe, NGOs, general public	4 Years	2012	2016	18,454,365.60	Terminated	<p>Hall R, Lizada J, Dayo MH, Abansi C, David M, Rola A. 2015. To the last drop: The political economy of Philippine water policy. Water Policy 17, 946-962. Doi: 10.2166/wp.2015.150.</p> <p>Rola AC, Abansi CL, Arcala-Hall R, Lizada JC, Siason IML, Araral EK Jr. 2015. Drivers of water governance reforms in the Philippines. International Journal of Water Resources Development 32, 135-152. Doi:10.1080/07900627.2015.1060196.</p> <p>Rola AC, Pulhin JM, Tabios GQ III, Lizada JC, Dayo MHF. 2015. Challenges of water governance in the Philippines. Philippine Journal of Science 144, 197-208.</p> <p>Abansi CL, Doble MCC, Cariño JK, Rola AC. 2016. Beyond prices: The cultural economy of water in the Cordillera highlands of Northern Luzon, Philippines. Asia Pacific Viewpoint 57, 280-293. Doi:10.1111/apv.12126.</p>			3	<p>Mentoring of 3 PhD students</p> <p>Assisted the river councils in Benguet and Laguna in the preparation of their water management plans</p> <p>Institutionalization of the Balili River System Revitalization Coalition (BRSRC)</p> <p>Proposed the revitalization of the Tigum-Aganan Watershed Management Board (TAWMB)</p> <p>Sta. Cruz watershed stakeholders to prepare an investment plan on solid waste management</p> <p>Presentation of the project findings to Congress</p>

									Rola AC, Abansi CL, Arcala-Hall R, Lizada JC. 2016. Characterizing local water governance structure in the Philippines: Results of the water managers' 2013 survey. <i>Water International</i> 41, 231-250. Doi:10.1080/02508060.2015.1113078.				
									Rola AC, Pulhin JM, Arcala-Hall R. 2018. <i>Water Policy in the Philippines</i> . Springer International Publishing.				
Computer-aided discovery of compounds for the treatment of tuberculosis in the Philippines	Billones, Junie	MAN CAS DPSM	General public, medical/health practitioners, researchers	4 Years	2012	2016	38,221,750.00	Terminated	Billones JB, Carrillo MCO, Organo VG, Macalino SJY, Emnacen IA, Sy BA. 2013. Virtual screening against <i>Mycobacterium tuberculosis</i> Lipoate Protein Ligase B (MtbLipB) and In Silico ADMET Evaluation of Top Hits. <i>Oriental Journal of Chemistry</i> 29, 1457-1468.	26	1	Set up of synthesis laboratory in UP Manila Set up of computational facilities in UP Manila Establishment of a computer-aided drug discovery and development research group in UP Manila Research collaborations with Sophia University, Japan; Chulalongkorn University, Thailand; National University of Singapore, Singapore; Rutgers University, USA	
									Billones JB, Carrillo MCO, Organo VG, Macalino SJY, Emnacen IA, Sy JB. 2014. Virtual screening against <i>M. tuberculosis</i> 7,8-Diaminopelargonic Acid Synthase (MtbBioA) and In Silico Toxicity Evaluation of Top Hits. <i>Current Enzyme Inhibition</i> 10, 105-112.				
									Billones JB, Valle AMF. 2014. Structure-based design of inhibitors against maltosyltransferase GlgE. <i>Oriental Journal of Chemistry</i> 30, 1137-1145.				
									Clavio NAB, Billones JB. 2014. Virtual screening against <i>Mycobacterium tuberculosis</i> isocitrate lyase and in silico ADME-Tox evaluation of top hits. <i>Journal of Chemical and Pharmaceutical Research</i> 6, 727-738.				
									Sampaco, A-RB III, Billones JB. 2015. Virtual screening of natural products, molecular docking and dynamics simulations on <i>M. tuberculosis</i> S-adenosyl-L-homocysteine Hydrolase. <i>Oriental Journal of Chemistry</i> 31, 1859-1865.				
									Vios VSL, Billones JB. 2015. Cluster and multi-linear regression analyses guided identification of molecular descriptors that account for cyclooxygenase activities. <i>Journal of Chemical and Pharmaceutical Research</i> 7, 735-742.				
									Billones JB, Carrillo MCO, Organo VG, Macalino SJY, Sy JBA, Emnacen IA, Clavio NAB, Concepcion GP. 2016. Towards antituberculosis drugs: In silico screening of synthetic compounds against <i>Mycobacterium tuberculosis</i> L,D-transpeptidase 2. <i>Drug Design, Development and Therapy</i> 10, 1147-1157.				
									Billones, JB, Carrillo, MCO, Organo, VG, Sy, JBA, Clavio, NAB, Macalino, SJY, Emnacen, IA, Lee, AP, Ko, PKL, Concepcion, GP. 2017. In silico discovery and in vitro activity of inhibitors against <i>Mycobacterium tuberculosis</i> 7,8-diaminopelargonic acid synthase (Mtb BioA). <i>Drug Design, Development and Therapy</i> 11, 563-574.				
Palaeoenvironmental and biodiversity study of Mindoro Island: An archaeological science initiative	Mijares, Armand Salvador	DIL ASP	Researchers, academe, indigenous communities	4 Years	2012	2016	24,243,944.00	Terminated	Pawlik AF, Piper PJ, Faylona MGPG, Padilla, SG Jr, Carlos J, Mijares ASB, Vallejo B Jr, Reyes M, Amano N, Ingicco T, Porr T. 2014. Adaptation and foraging from the terminal Pleistocene to the Early Holocene: Excavation at Bubog on Ilin Island, Philippines. <i>Journal of Field Archaeology</i> 39, 230-247.		2	2	Documentary film titled "Developing Archaeological Science: The Aklan Survey" in collaboration with Film Institute
									Pawlik AF, Piper PJ, Mijares ASB. 2014. Modern Humans in the Philippines: Colonization, Subsistence and New Insights into Behavioural Complexity. In M Porr and R Dennell (eds), <i>Southern Asia, Australia and the Search for Human Origins</i> , Cambridge Press, 135-147.				

									<p>Mijares ASB. 2015. Human Emergence and Adaptation to an Island Environment in the Philippine Paleolithic. In Kaifu et al. (eds), Emergence and Diversity of Modern Human Behavior in Paleolithic Asia. Texas A&M University Press, 171-181.</p> <p>Neri LAM, Pawlik AF, Reepmeyer C, Mijares ASB, Paz VJ. 2015. Mobility of early islanders in the Philippines during the Terminal Pleistocene/Early Holocene boundary: pXRF-analysis of obsidian artefacts. Journal of Archaeological Science 61, 149-157.</p>				
									<p>Pawlik AF. 2015. Detecting Traits of Modern Behavior through Microwear Analysis. In Kaifu et al. (eds), Emergence and Diversity of Modern Human Behavior in Paleolithic Asia. Texas A&M University Press, 183-198.</p>				
									<p>Pawlik AF. 2015. Frühe Seefahrer: Die Eroberung der Inselwelt jenseits des Sundalands [Early seafarers: the conquest of the island world beyond Sundaland]. In A Reinecke and M Tjoa-Bonatz (eds), Im Schatten von Angkor: Archäologie und Geschichte Südasiens, Mainz: Philipp von Zabern, Germany, 30. ISBN: 9783805349222.</p> <p>Pawlik AF. 2015. Vorgeschichte der Philippinen: Kulturelles Hinterland oder einfach nur paradisiisch? [Prehistory of the Philippines: Cultural backyard or simply paradisiacal?]. In A Reinecke and M Tjoa-Bonatz (eds), Im Schatten von Angkor: Archäologie und Geschichte Südasiens, Mainz: Philipp von Zabern, Germany, 21-29. ISBN: 9783805349222.</p> <p>Pawlik AF, Piper PJ, Wood RE, Lim KKA, Faylona MGPG, Mijares ASB, Porr M. 2015. Shell tool technology in Island Southeast Asia: an early Middle Holocene Tridacna adze from Ilin Island, Mindoro, Philippines. Antiquity 89, 292-308.</p>				
Versatile Instrument System for Science Education and Research – Sensors and Modules (VISSER:SM)	Tapang, Giovanni	DIL CS NIP	Students, teachers, researchers	2 Years	2013	2015	13,288,784.00	Completed	<p>Hilario PL, Villangca MJ, Tapang G. 2014. Independent light fields generated using a phase-only spatial light modulator. Optics Letters 39, 2036-2039.</p> <p>Improso WDG, Hilario PLA, Tapang G. 2014. Zero order diffraction suppression in a phase-only spatial light modulator via the GS algorithm. OSA Technical Digest, paper FTu4C.3.</p> <p>Carasco MCA, Pizarro JPP, Tapang G. 2015. Development of a microcontroller-based wireless accelerometer for kinematic analysis. Journal of Mechatronics, Electrical Power and Vehicular Technology 6, 1-8.</p> <p>Bruzon DA, Tiongson JK, Tapang G, Martinez IS. 2017. Electroreduction and solubility of CO2 in methoxy-and nitrile-functionalized imidazolium (FAP) ionic liquids. Journal of Applied Electrochemistry 47, 1251-1260.</p>			<p>40 handheld multichannel data acquisition system and plug and play analog and digital sensor for use in science laboratories</p> <p>Laboratory and instructional manuals for 40 experiments in biology, chemistry, physics, environmental science and engineering</p> <p>Development of software for control, user interface and analytical tools</p> <p>Development of an LED-based spectrometer for advanced chemistry laboratory experiments</p>	
Wood to energy: Use of fast growing plantation tree species as fuel pellets in the Philippines	Acda, Menandro	LB CFNR Dept. of Forest Products and Paper Science	Agriculture industry, researchers	4 Years	2013	2017	18,003,000.00	Terminated	<p>Acda MN. 2015. Fuel pellets from downed coconut (Cocos nucifera) in super typhoon Haiyan. Biomass and Bioenergy 83, 539-542.</p> <p>Acda MN, Devera EE. 2015. Physico-chemical properties of wood pellets from forest residues. Journal of tropical forest Science 26, 589-595.</p>		2	2	Set up of a wood pellet pilot plant in UPLB

									Acda MN. 2016. Physical and chemical properties of fuel pellets from agricultural residues. The Philippine Agricultural Scientist 99, 283-287.				
									Acda MN, Jara AA, Daracan VC, Devera EE. 2016. Opportunities and barriers to wood pellet trade in the Philippines. Ecosystems & Development Journal 6, 27-31.				
									Jara AA, Daracan VC, Devera EE, Acda MN. 2016. Techno-financial analysis of wood pellet production in the Philippines. Journal of Tropical Forest Science 28, 517-528.				
									Rojo MJA, Acda MN. 2016. Interspecific Agonistic behavior of Macrotermes gilvus (Isoptera: Termitidae): Implication on termite baiting in the Philippines. Journal of Insect Behavior 29, 273-282.				
									Bajo P Jr, Acda MN. 2017. Fuel pellets from a mixture of rice husk and wood particles. Bioresources 12, 6618-6628.				
									Romano AD, Acda MN. 2017. Feeding preference of the drywood termite Cryptotermes cynocephalus (Kalotermitidae) against industrial tree plantation species in the Philippines. Journal of Asia-Pacific Entomology 20, 1161-1164.				
Exploring a theory of engaged collaboration across borders among transnational advocacy networks	Gata, Ma. Larissa Lelu	LB CFNR Dept. of Social Forestry and Forest Governance	Researchers, academe, NGOs	2 Years	2013	2015	3,417,620.00	Terminated	Gata MLLCP. 2016. Philippines, Families. In Shehan C (ed), The Wiley Blackwell Encyclopedia of Family Studies, 1-5. John Wiley and Sons, Inc.	1	1	Copyright application of the Community-based Information Database System Community-based Strategies to Climate Change Adaptation: A Teaching-Learning Module for Inclusive Development. [online platform] Online discussion forum for local discussion groups Hosted 1 USAID Global Research and Innovation Fellowship Network Fellow	
The use of the ethylene antagonist 1-methylcyclopropene (1-MCP) to prolong the shelf-life of minimally processed fruits and vegetables	Castillo-Israel, Katherine Ann	LB CA Food Science Cluster	Food processing industry, researchers	2 Years	2013	2015	4,002,448.00	Terminated	Castillo-Israel KAT, Gandia JBL, Velez ACG, Absulio WL, Bainto LC. 2015. Storage quality of fresh-cut Philippine "Carabao" mango (Mangifera Indoxa L. cv. 'Carabao') fruits with 1-Methylcyclopropene (1-MCP) post-cutting treatment. International Food Research Journal 22, 2196-2202. Relox PE, Castillo-Israel KAT, Serrano EP, Absulio WL, Gandia JBL. 2015. Efficacy of 1-methylcyclopropene post-cutting treatment on fresh-cut papaya (Carica papaya L. cv. 'Sinta') storage quality using two packaging forms. International Food Research Journal 22(3), 910-917. Bernardino MA, Castillo-Israel KAT, Serrano EP, Gandia JBL, Absulio WL. 2016. Efficacy of 1-methylcyclopropene (1-MCP) post cutting treatment on the storage quality of fresh-cut 'Queen' pineapple (Ananas comosus (L.) Merr. cv. 'Queen'). International Food Research Journal 23, 667-674.	8	7	Patent application for 1-MCP on fresh-cut pineapple. The technology can extend the shelf-life of the fruits by 1-2 days.	
Clinical and autoimmune characteristic of early onset diabetes in young adult Filipinos	Paz-Pacheco, Elizabeth	MAN CM	General public, medical/health practitioners, researchers	2 years	2013	2015	11,507,605.00	Ongoing Extended until December 2018				Scorecard to predict type 1 and type 2 diabetes	
Drug use and behavioral health among young people in metro manila: A baseline cum intervention study	Estacio, Leonardo	MAN CAS Dept. of Behavioral Sciences	Health care providers, researchers, general public	3 Years	2015	2018	16,673,384.25	Terminated			3	Mentoring of 3 masteral students Established the Behavioral Health and Addictions research group in UP Manila	

												<p>Research partnership agreement with DOH, Dangerous Drugs Board, treatment and rehabilitation centers</p> <p>Training curriculum/module for community volunteers and treatment providers</p> <p>Preparation of a software/program that aids in data collection and analysis</p> <p>Community-based treatment model for drug users</p>
One UP health benefits action research: Towards a gendered universal health care sectoral model utilizing an Information Technology System	Claudio, Sylvia	DIL CSWCD	Health care practitioners, UP employees, researchers	2 Years	2013	2015	6,535,650.00	Terminated				<p>Setting up of the One UP Health website</p> <p>Key informant interviews with Barangay UP, UP HRDO, UHS, GSIS, SSS, PhilHealth, PCSO</p> <p>(Output of project is a policy paper submitted to data privacy commission, GSIS, SSS, Philhealth, and UP Diliman Health Centers)</p>
Towards an enhanced health care system by community managed health programs (CMHPs) to achieve better health outcomes: A community participatory research for advocacy to local government units (LGUs),	Sia, Isidro / Co, Edna	MAN CM DIL NCPAG	General public, health care providers, LGUs, government agencies, researchers	2 Years	2014	2016	19,999,855.92	Terminated	Co E, Caragay RN, Lopez JC, Sia IC, Estacio L, Lam H, Madamba JS, Abola RI, Villena MF. 2018. Scaling up primary health care in the Philippines: lessons from a systematic review of experiences of community-based health programs. Acta Medica Philippina 52, 153-161.			<p>Established "Best Practice Guidelines" for the management of 10 common community diseases</p> <p>Ang mga community health workers ng mga CMHP ng Tanay, Rizal; Sorsogon City at Gubat, Sorsogon; Murica at Sipalay, Negros Occidental; Sinacaban ,</p>
Department of Health (DOH), Philippine Institute for Traditional and Alternative Health Care (PITAHC), and Philippine Insurance Corporation (PhilHealth)									<p>Lam H, Sia IC, Lopez JC, Caragay RN, Estacio L, Co E, Madamba JS, Abola RI, Maybituin CM, Velasco DC. 2018. Community-managed health programs for better health outcomes: Preliminary report of community participatory research in Murcia and Isabela, Negros Occidental, Philippines. Acta Medica Philippina 52, 146-152.</p> <p>Lopez JCF, Caragay RN, Sia IC, Lam H, Estacio L, Co E, Madamba JS, Velasco DC. 2018. Catalyzing development of best practice guidelines for community-managed health programs: Case study of a community-academic partnership (Accepted for publication in Acta Medica Philippina)</p>			<p>Aloran, at Tudela, Misamis Occidental; Midsayap, North Cotabato; Patikol at Jolo, Sulu; at Quezin City; at Sina IC Isidro, RN Caragay, RM Galang. 2015. Best practice guidelines ng mga community-managed health programs (CMHPs) sa paggagamot ng sampung karaniwang sakit sa komunidad. Ouezon City: IMAN (Desktop publication)</p>
Interdisciplinary research and development for the germplasm characterization, production and utilization of Gabing San Fernando for feeds	Garcia, Jose Nestor	LB Agricultural Systems Cluster	Farmers, reseachers, industry	2 Years	2015	2017	9,979,732.00	Terminated	<p>Cayabyab BF, Villavicencio EB, Limosinero RL, Villancio VT, Garcia JNM. 2017. Survey of insect pests and diseases of gabing San Fernando, xanthosoma sagittifolium (L.) schott and melet in selected areas of Luzon and Zamboanga City, Philippines. Journal of the International Society for Southeast Asian Agricultural Sciences 23, 94-102.</p> <p>De Chavez HD, Villavicencio EB, Villancio VT, Garcia JNM, Bulatao MJ, Villavicencio ML, Bondad JJ. Survey of insect pests and diseases of gabing San Fernando, Xanthosoma Sagittifolium (L.) Shott and Melet in selected areas of Luzon and Zamboanga City, Philippines (Submitted to ISSAAS).</p>	2	1	<p>Manuscripts being prepared for publication</p> <p>De Chavez HD, Villavicencio EB, Villancio VT, Garcia, JNM, Bulatao, MJ, Villavicencio, ML, Bondad, JJ. Propagation techniques for rapid establishment and production of gabing San Fernando (Xanthosoma Sagittifolium (L.) Schott & Melet)</p> <p>Garcia, JNM, Villavicencio, EB, De Chavez, HD, Villancio, VT. Use of cut portions of corms and small cormels as propagation methods for multiplication of gabing San Fernando (Xanthosoma Sagittifolium (L.) Schott & Melet)</p> <p>Adiova, CB, Bulatao, MJ, Cruz, RM, Garcia, JNM, Villancio, VT, Raro, RI. Utilization of gabing San Fernando corms (Xanthosoma Sagittifolium (L.) Schott & Melet) as partial energy source for growing-finishing pigs</p> <p>Bulatao, MJ, Cruz, RM, Garcia, JNM, Villancio, VT, Limosinero, RL, Villavicencio, ML, De Chavez, H, Mateo, JM. Proximate composition and oxalate content of selected 6, 9 and 12 month old gabing San Fernando (Xanthosoma Sagittifolium (L.) Schott & Melet) plant parts subjected to boiling and fermentation.</p> <p>De Chavez HD, Villavicencio EB, Villancio VT, Garcia JNM, Bulatao MJ, Villavicencio ML, Bondad JJ. Survey of insect pests and diseases of gabing San Fernando, Xanthosoma Sagittifolium (L.) Shott and Melet in selected areas of Luzon and Zamboanga City, Philippines (Submitted to ISSAAS).</p>

									Pajarito BB, Dang-Awan DF, Felipe MAA, Handa KC. 2016. Sorption and degradation behaviour of epoxy composites reinforced with amine-coated polyester triangular bars in acid environment. Key Engineering Materials 705, 93-97.				
Development of a nanoparticle-based biosensor for the rapid detection of Escherichia coli O157:H7 Strain Sakai	Fernando, Lilia	LB NIMBB BIOTECH	General public, meat producers, government agencies, researchers	2 Years	2014	2016	2,499,800.00	Terminated					
Protein engineering of the major storage protein of mungbean enhanced with bioactive peptides exhibiting hypocholesterolemic activity	Torio, Mary Ann	LB CAS Institute of Chemistry	Researchers	4 Years	2015	2019	10,000,000.00	Ongoing		3	4	1	Submitted a manuscript to KIMIKA for review.
Automated constructions of phylogenetic trees and networks of languages in the greater central Philippines by a feature-sensitive metric	Lemence, Richard	DIL CS Institute of Mathematics	Academe, researchers	2 Years	2015	2017	9,393,000.00	Ongoing Extended until March 2019		6	2		
Anthropological, mathematical symmetry and technical characterization of Cordillera textiles	Salvador-Amores, Analyn	BAG CSS Dept. of Social Anthropology	Researchers, academe, indigenous communities	2 Years	2016	2018	5,327,000.00	Ongoing Extended until December 2018					Developed a catalogue of Cordillera textiles (currently housed at the Museo Kordilyera) in UP Baguio Designed a portable reflectance transformation imaging (PRTI) setup
Mathematical analysis of climate-based malaria transmission model with age-structured population	Addawe, Joel	BAG CS Dept. of Mathematics and Computer Science	Researchers, academe	2 Years	2015	2017	1,018,280.00	Terminated	Addawe J, Pajimola AK. 2016. Dynamics of climate-based malaria transmission model with age-structured human population. AIP Conference Proceedings 1782, Article no. 040002. Magsakay, CB, De Vera< NU, Libatique, CP, Addawe, RC, and Addawe, JM.2017.Treatment on outliers in UBJ-SARIMA models for forecasting dengue cases on age groups not eligible for vaccination in Baguio City, Philippines. AIP Conference on Quantitative Sciences and Its Applications (ICOQSIA 2016) AIP Conf. Proc. 1782: 040002-1-040002-7 doi: 10.1063/ 1.4966069. Libatique, CP, Pajimola, AKP, Addawe J.2017. Bifurcation analysis of dengue transmission model in Baguio City, Philippines. AIP Conference proceedings 1905, Issue 1, pp. 030023.	2	1	Presentations in international and national conferences Addawe J. 2016. Mathematical Analysis of Dengue Transmission Model. Multi-stakeholders Forum to Flight Against Dengue. Cordillera Regional Health Research and Development Consortium. University of the Cordilleras Theater, Baguio City. Addawe J. 2016. Introduction to Modelling Vector-borne Diseases. Integration, application and extension of knowledge through enhancement of researchers in science, technology, engineering, agriculture and mathematics in attaining sustainable development. DOST Central Luzon Campus. Clark Freeport Zone, Pampanga. Addawe J. 2016. An Age-structured malaria transmission model. International Conference in Mathematics and Computational Modeling of Biological Systems. UP Diliman-DLSU Manila, Philippines	
													Addawe J. 2017. Modeling the Warmer Temperature in the Dynamics of Dengue Transmission. 2017 Mathematical Modeling National Conference. CICS Conference Hall, Cagayan State University, Tuguegarao City.

												<p>Libatique, CP. 2017. Bifurcation analysis of dengue transmission model in Baguio City, Philippines. 13th IMT-GT International Conference of Mathematics, Statistics and Its Applications (ICMSA 2017). Universiti Utara Malaysia, Kedah, Malaysia.</p> <p>Poster Presentation</p> <p>Addawe J. and Libatique C. 2016. Mathematical Analysis of Climate-based Mosquito-borne Disease Transmission Model with Age-structured Human Population. 2016 UP OVPA Research Symposium, National Institute of Physics, UP Diliman, Quezon City.</p>	
The analysis of Bernoulli free boundary problem using the velocity method and second-order perturbation of identity technique	Bacani, Jerico	BAG CS Dept. of Mathematics and Computer Science	Researchers, academe	2 Years	2014	2016	2,090,560.00	Completed	<p>Bacani JB, Rabago JFT. 2015. On the second-order shape derivative of the Kohn-Vogelius objective functional using the velocity method. International Journal of Differential Equations, Article ID 954836.</p> <p>Bacani JB, Peichl G. 2016. The second-order eulerian derivative of a shape functional of a free boundary problem. IAENG International Journal of Applied Mathematics 46, 425-436.</p> <p>Rabago JFT, Bacani JB. 2017. Shape optimization approach to the Bernoulli problem: A Lagrangian formulation. IAENG International Journal of Applied Mathematics 47, 417-424.</p> <p>Rabago, JFT, Bacani, JB. 2018. Shape Optimization approach for solving the Bernoulli problem by tracking the Neumann data: a Lagrangian formulation. Communications on Pure and Applied Analysis 17, 2683-2702.</p>	1		Presentations in international and national conferences	
Overexpression, purification and characterization of a recombinant thermo-stable endoglucanase for effective hydrolysis of lignocellulosic materials	Tambalo, Richard	LB BIOTECH	Fuel industry, researchers	2 Years	2014	2016	2,500,000.00	Ongoing				<p>Invention disclosure for "A recombinant thermo-stable endoglucanase for potential application in the high temperature-dilute acid hydrolysis of lignocellulosic materials"</p> <p>Patent application to be filed for "Use of thermo-stable endoglucanase in the high temperature-acid hydrolysis of lignocellulosic materials"</p>	
Development of scale-up production methodologies for recombinant enzymes towards commercialization	Garcia, Roberta	LB CA Institute of Plant Breeding	Farmers, researchers, industry	4 Years	2015	2019	9,358,900.00	Ongoing			1		
Philippine performance archive: Ritual, dance, theatre	Ick, Judy Celine	DIL CAL Dept. of English and Comparative Literature	Academe, students	2 Years	2016	2018	19,715,132.00	Terminated	<p>Tiatco, SAP. 2017. "My American Dream". Dreaming of Broadway and West End in the Philippines. Palgrave Handbook of Musical Theatre Producers, ed. Laura MacDonald and William Everett. Palgrave Macmillan, 333-342. (Book Chapter)</p> <p>Tiatco, SAP. 2017. Performing like a Concert King or a Concert Queen: Compensatory aesthetics in producing an Original Filipino Musical. Palgrave Handbook of Musical Theatre Producers, ed. Laura MacDonald and William Everett. Palgrave Macmillan, 449-458. (Book Chapter)</p> <p>Tiatco, SAP. 2017. The Contemporary in Metropolitan Manila Theatre: Derivatives, Entangled and the Social Problem Play in Art Archive 01: A collection of essays on the visual and performing art, ed. Patricia Tumang. Manila: The Japan Foundation, 50-55 (Ebook: http://jfmo.org.ph/events-and-courses/art-archive-01/)</p>	2	6	<p>Philippine Performance Archive project</p> <p>1. Ick, Judy Celine. "The Forests of Silence: Global Shakespeare in the Philippines, the Philippines in Global Shakespeare" Shakespeare 71 (September 2018), pp. 26-34.</p> <p>2. Ick, Judy Celine. (Forthcoming 2018) "Shakespeare in the Philippines" The Stanford Global Shakespeare Encyclopedia. Stanford: Stanford University Press. (http://www.sup.org/Shakespeare/)</p> <p>3. Ick, Judy Celine. (Forthcoming 2019) "When All the World's a Digital Stage: Transmedial Shakespeare and Translational Pedagogy," Routledge Handbook of Shakespeare and Global Appropriation. Ed by Christy Desmet, Sujata Iyengar, and Miriam Jacobson, New York; Routledge.</p>	

										Tiatco SAP, Javier JR, Landicho M. 2018.The palo-palo in Batanes, Philippines: From colonial legacy to a performance of solidarity and friendship. Asian Theatre Journal 35 (1), 1-18.				4. Tiatco, Sir Anril and Bryan L. Viray. (Forthcoming, 2019). "From Revolution to Figuration: A Genealogy of Protest Performances in the Philippines." In Routledge Companion to Theatre and Politics, ed. by Peter Eckersall and Helena Graham. London and NY: Routledge.
										Tiatco, SAP, Javier, JR, Viray, BL.2018.Chapter 3: The Philippine Performance Archive on Cultural Performances: The Archive as a Performative Cultural Memory and Pedagogy. Digital Humanities and New Ways of Thinking, ed. Ann Wing-bo Tso. Springer. (Book Chapter)				5. Tiatco, Sir Anril P. (Forthcoming, 2019). Panata, Pagtitipon, Pagdiriwang: A Preliminary Contextualization of Cultural Performances in the Philippines. Humanities Diliman 16 (1).
										Tiatco SAP, Javier JR, Viray, BL.2018. From Revolution to Figuration: A genealogy of protesst performances in the Philippines. In the routledge companion to theatre and politics, ed. Peter Eckersall and Helena Grehan. New York and London: Routledge. (Book Chapter)				6. Retana, Wenceslao E. Noticias Historico-bibliograficas de el teatro em Filipinas desde sus origins hasta 1898 (1909) translated by Prof. Anna Maria Yglopaz.. 7. Barrantes, Vicente. El Teatro Tagalo (1889). Translated by Prof. Elvin Ebreo.
Molecular and culture-based characterization of bacterial community from Manleluag Alkaline Spring in Pangasinan	Lantican, Nacita	LB CAS Institute of Biological Sciences	Researchers	2 Years	2015	2017	7,473,016.00	*2,976,005.00	Terminated		1	2		Collection of bacteria which can produce enzymes and/or bioactive compounds of industrial importance; Experimental protocol on next-generation sequencing of metagenomic 16S rDNA for bacterial community profiling. Experimental protocol on metaproteomic analyses of bacterial communities. Bioinformatic analyses pipeline for next-generation sequencin and metaproteomic data. Laboratory-scale optimization and production, and downstream precessing protocols for enzymes and/or bioactive compounds
Creating cost-effective sensors and devices to understand climate change in the Philippines using archaeological and present data	Estacio, Elmer	DIL CS NIP	Researchers, academe	2 Years	2016	2018		15,102,773.08	Ongoing Extended until March 2019	Delos Santos R, Ozawa S, Mag-usara V, Azuma S, Tuico A, Copa V, Salvador A, Yamamoto K, Somintac AS, Kurihara K, Kitahara H, Tani M, Estacio ES. 2016. Cherenkov-phase-matched nonlinear optical detection and generation of terahertz radiation via GaAs with metal-coating. Optic Express 24, 24980-24988. Delos Santos R, Ozawa S, Mag-usara V, Azuma S, Tuico A, Copa V, Salvador A, Yamamoto K, Somintac AS, Kurihara K, Kitahara H, Tani M, Estacio ES. 2016. Cherenkov-type generation and detection of terahertz radiation in a GaAs with metal-coat structure. 2016 41st international conference on Infrared, Millimeter and Terahertz Waves (IRMMW-THZ). Bardolaza, HR, Vasquez, JDE, Delos Reyes, AE, Lopez, LP, Jr., Somintac, AS, Salvador, AA, Estacio, ES, Sarmago, RV. 2018. Temperature dependence of THz emission and junction electric field of GaAs - AlGaAs modulation - doped heterostructures with different i-AlGaAs spacer layer thicknesses. Journal of Materials Science:Materials in Electronics, 1-7. Delos Santos, R, Mag-usara, V, Tuico, A, Copa, V, Salvador, A, Yamamoto, K, Somintac, A, Kurihara, K, Kitahara, H, Tani, M, Estacio, E.2018.Metal-coated <100> cut GaAs coupled to tapered parallel-plate waveguide for Cherenkov-phase-matched terahertz detection: Influence of crystal thicness.Journal of infrared, Millimeter, and Terahertz Waves 39, 514-520.	7	1	1	Submitted manuscript "High resolution modeling of CO2 in Metro Manila" (submitted to Air Pollution Research) "117-Year climatology of Manila, Philippines" (submitted to Urban Climate)
Ten years after the Millenium Ecosystem Assessment of Laguna de Bay: Towards a sustainable future	Espaldon, Ma. Victoria	LB SESAM	General public, LGUs, LLDA, researchers, students	2 Years	2015	2017	9,930,328.00	*10,130,342.60	Terminated		4			Mentoring of graduate students from UP NIGS and UPLB SESAM

														Hosting of three fellows from the Pan Asia Risk Reduction Fellowship Program Convened a science and policy forum with the Laguna de Bay stakeholders	
Conus structural exogenomics program	Lluisma, Arturo	DIL CS MSI	Researchers	2 Years	2015	2017	9,385,376.00		Terminated			8	1	Mendoza, CB, Masacupan, DJ, Batocoy, DC, Asuncion, XE, Sampaco, AR, Vios, VS, Barghi, N, Yu-Roberto, E, Lluisma, AO, Salvador-Reyes, LS. Conomorphins: Prey specific arsenal of conus eburneus. Nature Publishing Co. (Submitted Manuscript)	
The mass transit system in Metro Manila: From tranvia to MRT, 1879-2014	Jose, Ricardo	DIL CSSP Third World Studies Center	Policy makers, LGUs, national agencies, academe, general public	2 Years	2015	2017	10,075,688.00		Terminated			6		MOA with National Archives of the Philippines (NAP)	
														Launched a video documentary entitled "Tranvia: Ang Mga Riles ng Kamaynilaan"	
<i>In vitro</i> release properties and <i>in vivo</i> biochemical activities of microencapsulated anthocyanin extracts prepared with duhat (<i>Syzygium cumini</i> (L.) and bignay (<i>Antidesma bunius</i> (L) Spreng)	Flores, Floirendo	LB CA Institute of Food Science and Technology	General public, health practitioners, food processing industry, fruit industry, academe, researchers	2 Years	2016	2018	3,374,136.00	*3,148,624.00	Terminated						
Data science and society: Application in public education	David, Clarissa	DIL CMC	Academe, students	2 Years	2015	2017	8,955,796.00		Ongoing Extended until October 2018			9	4	1	
Profiling and functional characterization of novel mutations in EFGR cellular proliferation and cell survival pathways among Filipino young-onset, sporadic colorectal cancer patients	Garcia, Reynaldo	DIL CS NIMBB	General public, health/medical practitioners, researchers	2 Years	2015	2017	9,207,623.00	*11,083,255.57	Terminated			2	4	1	Out of the 51 wild type and canonical mutants targeted, a total of 32 gene constructs of NRAS, PIK3CA, PTEN, BRAF, KRAS and MEK1 have been successfully cloned into the mammalian expression pTarget. Presentations in international and local conferences
Forest Canopy Observation, Positioning and Investigation (Forest CANOPI) Program: Developing Forest Canopy Science in the Philippines	Bantayan, Nathaniel	LB CFNR Institute of Renewable	LGUs, national agencies, academe, researchers	2 Years	2016	2018	9,909,703.00	*10,892,983.00	Terminated			6		Conducted tree inventory and detailed topographic mapping Conducted the Forest Canopy Genomics Workshop Presentations in international conferences	
Learning tourism destinations: Creating functional partnerships and initiating positive change for sustainable tourism development in local economies	Mena, Miguela	DIL AIT	General public, LGUs, national agencies, academe	2 Years	2016	2018	5,456,000.00		Ongoing Extended until November 2018				4	Presentations in international conferences MOA with Holy Name University	
Recombinant buffalo antibodies as a resource for diagnostics and therapeutics: Proof-of-concept and applications in Schistosomiasis	Opulencia, Rina	LB Institute of Biological Science	health/medical practitioners, Researchers, academe	2 Years	2017	2019	4,639,840.00		Ongoing				3		
Towards a molecular level understanding of essential oil-protein interactions and their applications as insect biocontrol agents	Junio, Hiyas	DIL CS Institute of Chemistry	Researchers, academe	2 Years	2015	2017	9,841,772.00	*10,159,000.00	Terminated	Dacanay FND, Ladra MCJA, Junio HA, Nellas RB. 2017. Molecular affinity of mabolo extracts to an octopamine receptor of a fruit fly. Molecules 22, 1677.		1	3		
Development of bioactive cyclotides from Philippine biodiversity	Hernandez, Christine	DIL CS Institute of Chemistry	Researchers, academe	2 Years	2015	2017	7,499,048.00	*7,793,007.00	Terminated				3		

From genes to ecosystems: Understanding fruit bat species and genetic diversity and its ecological interactions with plants in tropical lowland forests, Palanan, Isabela, Philippines	Ong, Perry	DIL CS Institute of Biology	Researchers, national agencies, academe	2 Years	2015	2017	10,351,180.00 *13,496,462.20	Terminated	Duya MR, Fidelino J, Ong P. 2017. Spatial heterogeneity of fruit bats in a primary tropical lowland evergreen rainforest in northeastern Luzon, Philippines. ACTA Chiropterologica 19, 305-318.				
Crowdsourced sensing for student engagement in Science Education (CrowdSSENSE)	Lamorena-Lim, Rheo	DIL CS Institute of Chemistry	Students, Academe	2 Years	2015	2017	7,723,672.00	Terminated			1		Fabrication of sensing kits from identified parts and generated design Paper has been accepted in the conference proceedings, CCECP 2018 Conference Proceedings: (Print ISSN: 2301-3761, E-periodical: 2301-377X) at http://chemistry-conf.org/accepted-papers/
Bugkos: Putting equitable development at the center of the Asian Century	Raquiza, Antoinette	DIL Asian Center	Policy makers, LGUs, national agencies, academe, NGOs, general public	2 Years	2015	2017 2018	5,449,780.00	Terminated			3		Public forum on comparative politics and economic development between the Philippines and Thailand
TiO2 based nanomaterials and nanocomposites as photoelectrocatalysts for the removal and sensing of synergistic organic pollutants	Yago, Allan Christopher	DIL CS Institute of Chemistry	Researchers, academe	2 Years	2015	2017	13,082,004.00 *2,534,004.00	Terminated			1		Mentoring of 1 MS student National Conference 31st Philippine Chemistry Congress, 13-15 April 2016, Iloilo City Judicpa, MA, Yago, AC. Preparation and Characterization of Bulk- and Surface-modified of carbon paste electrodes with Titanium Dioxide(TiO2) nanoparticles. (Oral presentation) 31st Philippine Chemistry Congress, 13-15 April 2016, Iloilo Grand Hotel , Iloilo City Espanilla, MB, Maylem, GP, Payawan, LM, Conato. "Preparation and Properties of Transition Metal ^{III} - and Nitrogen (N)-Doped Titania Photocatalysts by Hydrothermal Synthesis" (oral presentation)
													International Conference with Peer-reviewed Proceedings Buenviaje, SC, Usman, KA, Payawan, LM. "Synthesis and characterization of titanium dioxide-polypyrrole nanocomposites for the photodegradation of bromophenol blue". International Conference on the Science and Engineering of materials 2017 (ICOSEM 2017), October 2017, University of Malaya, Kuala Lumpur, Malaysia. (Oral presentation) 32nd Philippine Chemistry Congress, 31 May - 2 June 2017, Puerto Prinsesa, Palawan Judicpa, MA, Yago, AC. " Poly(3-Thiophene acetic acid)-titanium dioxide(TiO2) nano composites on glassy carbon electrode for Photo-electrochemical-based sensing" (Oral presentation) International Conference AsiaSense 2018 (The 8th International Conference on Sensors), 21-23 February 2018, UST, Manila Judicpa, MA, Heruela, PA, Lopez, RS, Yago, AC. "A molecular imprinted poly(3-thiopheneacetic acid)-titanium dioxide composite for the photoelectrochemical detection of chlorpyrifos." (Oral presentation) Buenviaje, SC, Usman, KA, Payawan, LM. "Synthesis and characterization of titanium dioxide-polypyrrole nanocomposites for the photodegradation of bromophenol blue". AIP conference proceedings 1958, 020015 (2018); published online 09 May 2018 https://doi.org/10.1063/1.5034546

Integrative genomics analysis workbench for rice science	Yap, Jan Michael	DIL CEngg Dept. of Computer Science	Farmers, researchers, industry	2 Years	2015	2017	582,004.00 *518,443.10	Terminated	Yap, JT.2018.Foreign Investment, the Manufacturing Sector, and Poverty: The Philippine Case. Asian Politics and Policy 10, 115 - 136.	1		
Control aspects of the cardiovascular-respiratory system	De los Reyes, Aurelio V	DIL CS Institute of Mathematics	General public, health/medical practitioners, researchers	2 Years	2015	2017	1,620,786.00 *965,645.40	Terminated	Calderon PGB, Habib M, Kappel F, De los Reyes A. 2017. Control aspects of the human cardiovascular-respiratory system under a nonconstant work load. Mathematical Biosciences 289, 142-152.	1		Presentation in international conferences
Efficacy of copper-based hollow kapok fiber nanocomposite for environmental purification	Balela, Mary Donnabelle	DIL CEngg DMMME	Researchers, academe, industry	2 Years	2015	2017	3,046,988.00 *2,325,614.00	Terminated	Canaria, ML, Ramos, JL, Sayson, CM, Balela MD.2017.Growth of hematite nanostructures in iron foil for Environmental cleaning. Solid State Phenomena 266 SSP, 101 - 104. Balela, MD, Acedera, RA, Flores, CL, Peliciano, CM.2018.Surface modification of ZnO nanostructured film prepared by hot water oxidation. Surface and Coating Technology 340, 199-209. Lacuesta, AC, Herrera, MU, Manalo, R, Balela MD.2018.Fabrication of kapok paper-zinc oxide-polyaniline hybrid nanocomposite for methyl orange removal. Surface and Coatings Technology 350, 971-976. Tigno, SD, Herrera, MU, Balela, MD.2018.Hydrophobicity of functionalized TiO2-based Kapok nanocomposite.Surface and Coating Technology 350, 857-862.	2		
Conduction in disordered materials in the low-frequency region	Tapia, Alvin Karlo	LB CAS Institute of Mathematical Sciences and Physics	Researchers, academe	2 Years	2015	2017	2,211,000.00 *291,325.00	Completed	Dahonog LA, Tapia AKG. 2017. Electrical properties of Al-, Cu-, Zn-rice husk charcoal junctions. IOP Journal of Physics: Conference Series 817, 012015. doi:10.1088/1742-6596/817/1/012015.	2		Conducted a workshop on THz spectroscopy Presentations in a regional conference
									Sebastian CS, Herrera MU, Tapia AKG. 2017. Electrophoretic deposition of zinc oxide on graphite drawn on paper. IOP Journal of Physics: Conference Series 817, 012004. doi:10.1088/1742-6596/817/1/012004. Manding KV, Lopez, JE, Tapia, AKG.2018.AC conduction in polyaniline emeraldine salt-graphite pellets. Materials Science Forum 923, 66 - 71.			
On the decomposition of matrices related to symmetric or skew symmetric bilinear forms and its relation to some known matrices	De la Cruz, Ralph John	DIL CS Institute of Mathematics	Researchers, academe	2 Years	2016	2018	1,555,200.00	Terminated	De la Cruz RJ, Merino DI, Paras AT. 2017. Skew phi polar decompositions. Linear Algebra and its Applications 531, 129-140.	1		
Wavefront Engineering Research: Suppression of spurious diffraction orders	Hilario, Paul Leonard Atchong	DIL CEngg EEEI	Researchers, academe	2 Years	2015	2017	2,500,000.00	Terminated	De la Cruz, RJ, Granario, DQ.2018.Product of Symplectic normal matrices.Linear Algebra and its Applications 543, 162 - 172.			
Philippine Studies on Primary Care-Pilot study in UP Diliman	Dans, Antonio Miguel	MAN College of Medicine	General public, health/medical practitioners, researchers	2 Years	2015	2017	16,013,212.00	Ongoing Extended until December 2018		1		Submitted article to Asia Pacific Journal of Public Health for review

Interdisciplinary research on arts and culture of the Philippines	Buenconsejo, Jose	DIL College of Music Dept. of Musicology	General public, researchers, academe	2 Years	2015	2017 2018	9,629,925.00	Terminated			<p>Saysay Himig anthology of recorded Philippine transcultural music</p> <p>Staged "Diwata ng Bayan" and "Putri Anak" at the Cultural Center of the Philippines</p> <p>Two manuscripts (Saysay Himig & Philippine Modernities: 1880-1941) have been accepted for publication by the UP Press</p> <p>Buenconsejo, Jose, Ed. Philippine Modernities: Music, Performing Arts, and Language. Quezon City: University of the Philippines Press, 2017.</p> <p>Tan, Arwin, ed. Saysay Himig: Anthology of Readings in Philippine Music History. Quezon City: University of the Philippines Press, 2018.</p> <p>Tan, Arwin, ed. Anthology of Transcultural Philippine Music. 3 CD's. Quezon City: UP College of Music, 2016.</p> <p>Maranan, Ed. Libretto of Diwata ng Bayan.</p> <p>Sinco, Carmela. Music of Diwata ng Bayan (conductor's score and parts and piano-vocal score).</p> <p>Villasis, Enrique and Juan Ekis. "Original" (Text) of Putri Anak de la Peña, Verne. Music of Putri Anak</p>
Multimedia and multidisciplinary teaching and learning materials	Alfonso, Grace	OU	Students, academe	1 Year	2015	2016	9,500,000.00	Completed			<p>Production of 100 Master Voices (multimedia materials for GE courses). Some of the videos are already available at TVUP (tvup.ph)</p> <p>VIDEOS(TVUP)</p> <p>Philippine Arts and Culture</p> <ol style="list-style-type: none"> 1. Danas na Ganap (Glecy Atienza) 2. Myth and Creative Imagination (Jose Neil Garcia) 3. Creative Writing in the Digital age (Jose Wendell Capili) 4. How I Write Stories (Jose Dalisay Jr.) 5. Manuel Conde: Defining Cinema for the Filipino (Nicanor Tiongson) 6. Film Literacy and Criticism (Roland Tolentino) 7. Sining at Nasyonalismo (Neil Doloricon) 8. Philippine Arts and Culture in the Socio-historical Context of Nation, Region, and Globalization (Reuben Cañete) 9. What is Filipino Design, or Is There One at All? (Leonardo Rosete) 10. Learning with Puppets: Educating through Theater (Amihan Ramolete) 11. Ecocriticism (Framing Disaster: Position and Tropes) (Flaudette Datuin)
											<ol style="list-style-type: none"> 12. Rizal Monuments and the Filipino Diaspora (Roberto Paulino) 13. Sosyolohiya at Sining: Sa Diwa ng Kuwentong Bayan (Clemen Aquino) 14. Cultural Performances in the Philippines (Anril Tiatco) 15. Philippine Arts and Culture/Women in the Arts (Brenda Fajardo)
											<ol style="list-style-type: none"> 16. Postcolonial Paths to Constructing the Nation/Bayan (Priscelina Patajo Legasto) 17. Pag-aapuhap sa Genoa, Pag-aapuhap ng Sarili (Luna Sicat Cleto) 18. Siyensining (Vim Nadera) 19. Ang Pelikula Bilang Lunsaran ng Makabukuhang Pagaaral at Pagsusuri ng Kasaysayan at Lipunang Filipino (Rommel Rodriguez, Yason Banal, Carlos Gabriel Pangilinan) <p>Wika, Kultura, at Lipunan</p>

										<ul style="list-style-type: none">1. Labintatlong Tesis Hinggil sa Wikang Pambansa (Ramon Guillermo)2. Kung Paano Iniligaw ako ng Wikang Ingles at Paano Ko Natuklasan ang Aking Sarili Bilang Pilipinong Manunulat (Bienvenido Lumbeza)3. Wikang Filipino sa Panahon ng Internasyonalisasyon at Globalisasyon (Crisanta Flores) 4. Ang Pambansa Wika Mula Multilingwal na Perspektiba (Ma. Althea Enriquez)5. Bisa ng Pagsasalin sa Filipino ng mga Saliksik at Malikhang Akda (Raniela Barbaza)6. Wika, Nasyonalismo, at Panlipunang Katarungan (Gonzalo Campoamor II) 7. Papel ng mga Wika sa Pilipinas at Ilang mga Bansa sa Pagkakaisa, Pagunlad at Kaayusan sa Lipunan (Pamela Constantino)8. Pagsulat at Pananaliksik sa Wikang Filipino (Luna Sicat Cleto, Clemen Aquino, Rommel Rodriguez) <p>Probing the Physical World</p> <ul style="list-style-type: none">1. Fossils as Clues to Earth and Ocean History (Alyssa Alampay)2. Marine Sponges and Climate Change (Cecilia Conaco)3. Watershed Approaches to Integrated Local and Regional Development Planning (Rex Victor Cruz) 4. How the Philippine Island Arc System was Formed (Carla Dimalanta) <p>Living Systems: Concepts and Dynamics</p> <ul style="list-style-type: none">1. Living Systems: The Ocean and Us (Rhodora Azanza)2. What is a Species, Really? (Ian Kendrick Fontanilla) 3. Bio-Molecules and Sustainability (Lourdez Cruz)4. Biodiversity and Drug Discovery Research on Marine Organisms from the Philippines/Tuklas Lunas - Mga Biyaya ng Dagat - Para kay Juan at Juana (Gisela Concepcion) 5. Dynamics in Population (Aimee Lyn Dupo)6. Role of Keystone Species (Virginia Cuevas)7. Biotechnology for Food Security (Evelyn Mae Mendoza)8. The 3Gs: Foundation for Conserving Philippine Biodiversity (Perry Ong)9. Science Process and Generation of Scientific Knowledge (Luis Rey Velasco) <p>Math, Culture, and Society</p> <ul style="list-style-type: none">1. Origami and Mathematics (Rene Felix)2. Mathematics is a Language, a Tool, and a Way of Looking (Fidel Nemenzo)3. The Cardinality of Infinite Sets (Marian Roque)4. Hairy Balls and Donuts: Welcome to the Fascinating World of Geometry (Jose Maria Balmaceda)5. The Math Behind Arts and Humanities (Aleli Domingo, Gary Granada) <p>Critical Perspectives in Communication</p> <ul style="list-style-type: none">1. C4D: Alternative Communication Perspectives (Alexander Flor)2. Philippine Critical Studies of Discourse (Alwin Aguirre)3. The Political Economy of the Media: A Critical Perspective (Luis Teodoro)4. Killing the Messenger (Georgina Encanto)
										<ul style="list-style-type: none">5. Understanding the MDC Contagion (Felix Libro)6. Art, Science, and Ethics in Communication Study (Elena Pernia)7. Constructing Colonial Culture by Radio (Elizabeth Enriquez) <p>Self and Society</p> <ul style="list-style-type: none">1. Self and Society: Introducing Key Concepts (Josephine Dionisio)2. Community Higher Education Engagement: Ethical Responsibility and Ethical Practice (Grace Aguilin-Dalisay)

												<p>3. Self And Society: The Philippine Context (Carolyn Sobritchea) Kasaysayan ng Pilipinas 1. Saan Ka, Babae? (Ma. Luisa Camagay) 2. Ang Panahon ng Kalamba: Mula Propaganda Tungong Rebelasyon (Ferdinand Llanes) 3. The Japanese Occupation: Cultural Dimension (Ricardo Jose)</p> <p>4. Boat Building Traditions (Ma. Bernadette Abrera) 5. The Meaning of History (Ma. Luisa Camagay, Ferdinand Llanes, Ricardo Jose)</p> <p>Ethics and Moral Reasoning in Everyday Life 1. Surgical Innovation: Physician and Patient Perspective (Jose Florencio Lapeña Jr.) 2. Morality in Everyday Life (Peter Sy)</p> <p>3. Moral Reasoning and Normativity (Zosimo Lee) 4. Moral Responsibility in a Changing World (Ciriaco Sayson Jr., Peter Sy)</p> <p>Science, Technology and Society 1. Strengthening Philippine Corn Germplasm Through Grain Quality Enhancement (Tonette Laude) 2. Forensic DNA Technology: A Powerful Tool for Judicial Reform (Corazon De Ungria) 3. General Antonio Luna: His Doctoral Thesis and the Emerging International Research Program on Malaria (Benjamin Vallejo)</p> <p>Knowledge Festival 1. Health Emergency Planning for Yolanda-Affected LGUs: A Multidisciplinary Approach (Phillip Ian Padilla) 2. Promoting Rice and White Corn Combination as Food Staple for Filipinos (Artemio Salazar)</p> <p>3. Project SARAI (Smarter Approaches in Reinigorating Agriculture as an Industry) in the Philippines (Ma. Victoria O. Espaldon) 4. Versatile Instrument System for Science Education and Research: Sensors and Modules (VISSER:SM) (Giovanni A. Tapang) 5. Towards Good Water Governance for Development: A Multi-Case Analysis (Agnes Rola) 6. RxB0x 2: Integrating Medical Devices in the National Tele-Health Service Program - Project 3 -Field Deployment of Telemedicine Devices (Portia Grace Marcelo) 7. Our Innovative "Lab-in- a-Mug" Technology (Raul Destura)</p> <p>8. Why the Arts Should Matter (Butch Dalisay Jr.) 9. UP BGC as Knowledge Center (Arnel Casanova) 10. The Mind Museum (Maria Isabel Garcia) 11. Hazard Vulnerabilities of the Public School System: Communicating Data and Science (Clarissa David) 12. Fostering and Sustaining Innovation and Creativity in an Academe-Based Research Group (Arnel Salvador) 13. Culture, Creativity and Innovation (Alfredo Pascual)</p> <p>14. Media Development of Human Capital Through Higher Education (Alfredo Pascual, Rosario Garcellano, Lourde de Veyra, Joselito Yabut, Roby Alampay, Randy David, Ernesto Pernia, Butch Dalisay Jr, Edna Co)</p>
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													<p>Taiwan Speakers</p> <ol style="list-style-type: none"> 1. Social Identity as Poor (Ma. Cecillia Gastardo-Conaco) 2. From Experimental Marine Ecology to Complex Systems (Helena T. Yap) 3. UP NOAH (Alfredo Mahar Lagmay) 4. Social Entrepreneurship: Café Antonio in Los Baños, Laguna 5. Social Entrepreneurship: The Kasaka Makiling and Koshinero's Premium Native Lechon Way (Oliver John Gomez, Dr. Primo Garcia) 6. Social Entrepreneurship and the Social Network Co., Ltd. (Chang Yu-Lin) 7. Empowering People Through Kindness (Pao-Cheng "Picasso" Chen, Dr. Wu) 8. Social Entrepreneurship (Dr. Tim Eing Ming Wu) 9. The TK's Full House Experience (Po-Yang Liu) 10. Involving Out-of-School Youth Through Social Entrepreneurship (Chun-Kuei Peng, Ms. Wen Hsin Lo) 11. AgriGaia Social Enterprise (Shangla Yang, Vanessa Ying Ling)
UP wellness initiative for seniors and elders	De la Vega, Shelly Ann	MAN College of Medicine	UP employees, health/medical practitioners, researchers, national agencies	2 Years	2016	2018	19,820,880.00	Ongoing			4		
Promoting rice and white corn combination as food staple for Filipinos	Dizon, Josefina	LB CPAF Institute for Governance and Rural Development	General public, researchers, NGOs, national agencies	2 Years	2015	2017	13,905,000.00	Terminated	Elca, CD, Lapina, GF, Velasco, DM, Salazar, FJ, Pajadan, KM, Keno, LP. 2018. Technical Efficiency Analysis of Flint-Type White Corn Production in Quezon and Cagayan Provinces in the Philippines. Philippine Journal of Crop Science (PJCS) 43 (2), 27-37.	1	1	2	The program team has submitted eight (8) abstracts to the Philippine Journal of Crop Science for a special issue.
									Purification, MV, Pentecostes, KZ, Beltran, AK, Sanchez, MA, Salazar, AM. 2018. Nutritional Properties of Philippine Farmer-Bred Maize Varieties. Philippine Journal Crop Science 43 (3), 35-36.				
									Laude, TP, Nunez, Jp, Burgonio, JS, Diaz, RA, Sanchez, MA, Salazar, AM. 2018..Classifying Farmer-Bred Maize (Zea mays L.) Varieties into Heterotic Groups Using Broad-based Testers. Philippine Journal Crop Science 43 (3), 57-66.				
University of the Philippines in the last two decades	Barrios, Erniel	DIL School of Statistics	General public, researchers, academe, national agencies	1 Year	2016	2017	5,544,424.00	Terminated					
Reinforcing local applications of omics technology and bioinformatics	Bautista, Ma. Anita	DIL CS NIMBB	Researchers, academe	2 Years	2016	2018	16,615,096.00	Terminated			1		
Literacy, literature and translation for people empowerment program	Tolentino, Roland	DIL CMC	Researchers, academe	2 Years	2016	2018	8,072,000.00	Terminated					<p>CALL FOR SUBMISSIONS for Bukambibig's Issue 04: 'Social Movements'</p> <p>UP ICW Issues Call for Submission to an Updated Filipino Writers Database</p> <p>Kritika Kultura Lecture Series presents The Archipelago as a Moving Archive: Orature and Performance in Southern Mindanao</p> <p>PUP Filipinolohiya Serye ng Lektura ng mga Pananaliksik: Kasaysayan sa Espasyo ng Panitikan</p> <p>Science Fiction in Focus in UP Book Forum on April 21</p>

												<p>UP and Ateneo Professors to discuss Science Fiction in Second Interdisciplinary Book Forum on April 21</p> <p>Glimpses: One Writer's Journey: A Lecture and Reading by Luis H. Francia</p> <p>Kritika Kultura Lecture Series presents Antonius Herujiyanto</p> <p>15 Fellows to the 15th Ateneo National Writers Workshop Named</p>
												<p>Forum Kritika on Food Transformations: Eating and Wasting in the Anthropocene</p> <p>UP Rep's GODOT recreates chilling visit to a mental asylum</p> <p>NCCA: Pilipino Komiks Live with Darna & Dyesebel</p> <p>NCCA: NCCA Statement on the Supreme Court Decision on the Torre de Manila Case</p> <p>RAPPLER: Interview with Virgilio Almario, National Artist for Literature</p> <p>RAPPLER: Interview with F. Sionil Jose, National Artist for Literature</p> <p>RAPPLER: Interview with Cirilo Bautista, National Artist for Literature</p> <p>RAPPLER: Interview with Edith Tiempo, National Artist for Literature</p> <p>RAPPLER: Interview with Bienvenido Lumbera, National Artist for Literature</p>
												<p>Alang-alang sa Alinlangan: Tiwala[g] sa Salita</p> <p>Ilang tala ng muni-muni sa 56th UP National Writers' Workshop</p> <p>Panayam sa UP Los Baños: Mga Tala</p> <p>Poetry in the City of Science</p> <p>Ateneo Institute of Literary Arts and Practices</p> <p>Edilberto and Edith Tiempo Creative Writing Center</p> <p>UST Center for Creative Writing and Literary Studies</p> <p>Bienvenido N. Santos Creative Writing Center</p> <p>LIRAHan: Paglulunsad ng From the Eyes of a Healer</p> <p>Call for contributions to "From the Eyes of a Healer 2"</p> <p>Tulaan sa Liwasan sa Mayo 19</p> <p>Panawagan para sa Kontribusyon sa Lakbay-Sanaysay</p> <p>14th Lamiraw Workshop announces 12 workshop fellows</p> <p>UP ICW Call for Submission to Updated Filipino Writers Database Extended to June 30</p> <p>67th Carlos Palanca Memorial Awards issues call for entries; Novel and Nobela categories, open this year</p>
Communicating science and technology research and development at the University of the Philippines	Pernia, Elena	DIL CMC	UP, policy makers, national agencies, academe, researchers,	2 Years	2016	2019	16,516,910.90	Ongoing	Congjuico T. 2017. Foundation for a responsive and relevant science journalism. Media Asia 43, 169-175.			

Promoting sustainable tourism in the small islands in the visayas	Fernandez, Cheryl Joy	Visayas CM	LGUs, coastal and rural communities, researchers, academe	2 Years	2017	2019	3,702,046.40	Ongoing				
Zinc-air battery: Oxygen electrocatalyst research and prototype design and development	Ocon, Joey	DIL CME	Researchers	2 Years	2018	2020	2,399,124.00	Ongoing	1	6	3	
Development of in Vivo and in Vitro Models for the Study of Endometriosis in the Philippines	Velarde, Michael	DIL Bio	General public, medical/health practitioners, researchers	2 Years	2018	2020	9,917,464.00	Ongoing	1	1	1	Peer reviewed article Saguyod, SJV, Kelley, AS, Velarde, MC, Simmen, RCM.2018. Diet and Endometriosis and Pelvic Pain Disorders, 2284026518769022 in Press.
Structural and Prebiotic Studies of Galacto- and Hetero- Oligosaccharides formed by Lactobacillus Delbrueckii Subsp. Bulgaricus Dsm 20081 Bgalactosidase	Arreola, Sheryl Lozel	LB IC	Researchers	2 Years	2018	2020	3,100,000.00	Ongoing				
Polydopamine nanocoatings and nanoparticles research for the target beneficial applications	Nuesca, Guillermo	DIL IC	Researchers	2 Years	2018	2020	3,120,139.60	Ongoing	3	2		
How safe are our roads? The components of post-crash response, safe roads and safe vehicles in road management, road safety index, and road legislations and management in making our roads safer	Sigua, Ricardo	DIL Eng	LGUs, Researchers, Academe	2 Years	2018	2020	9,927,964.00	Ongoing				
Influences of maternal dietary intake and nutritional status on the microbiological and chemical compositions of breast milk from selected lactating Filipino women at 0 to 4 months postpartum	Gabriel, Alonzo A.	DIL ECON	Researchers, academe	2 Years	2018	2019	5,000,000.00	Ongoing				
Discovering the World of First Hominins in the Philippines "Geology, Palaeoenvironment, Palaeoecology of Arabic Hominins in the Philippine Islands	Volmer, Rebekka	DIL ASP	LGUs, Researchers, Academe	2 Years	2018	2020	11,762,112.00	Ongoing				