

**EMERGING INTER DISCIPLINARY RESEARCH PROGRAM (EIDR) LIST OF PUBLICATION
as of October 05, 2018**

Program	CU/College/Unit	Name	Designation	Beneficiaries	Start Date			End Date			Program Title	Total Budget	Publications	No. of Mentored / Graduated Students			Other Outputs
					Year	Month	Day	Year	Month	Day				BS/BA	MS/MA	PHD	
EIDR 1	DIL CS MSI	Yap, Maria Helena	Professor 12	LGUs, coastal and rural communities, farmers, researchers	2012	August	1	2016	August December (extension)	1 31	Social-ecological resilience on different spatial and temporal scales (Emphasis on the coast)	9,159,992.00	UP System	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>Loqueville, 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>	
EIDR 1	MIN CHSS Humanities Department	Quintero, Genevieve	Associate Professor 2	Researchers, academe, indigenous communities	2012	August	1	2014	August August (extension)	1 31	HULLUBATON: Putting together the Mandaya Dawot	2,941,741.58				<p>Audio files of the Hullubaton (Gambong and Lumungta) 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>	
EIDR 1	LB CPAF Institute for Governance and Rural Development	Rola, Agnes	Professor	Policy makers, water districts, LGUs, national government agencies, academe, NGOs, general public	2012	August	1	2016	August August (extension)	1 31	Towards good water governance for development: A multi-case analysis	18,454,365.60		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>	

EIDR 1	DIL ASP	Mijares, Armand Salvador	Associate Professor 7	Researchers, academe, indigenous communities	2012	September	1	2016 2018	August February (extension)	31 28	Palaeoenvironmental and biodiversity study of Mindoro Island: An archaeological science initiative	24,243,944.00	<p>Porr M, Mijares ASB, Pawlik AF, Piper P, Padilla S Jr. 2012. North of the Southern Arc - The Mindoro Archaeological Research Program: A summary of the 2010 and 2011 fieldwork activities. Australian Archaeology 75, 110-117.</p> <p>Pawlik AF, Piper P, Faylona MGGP, Padilla, SG Jr, Carlos J, Mijares ASB, Vallejo B Jr, Reyes M, Amamo N, Ingicco T, Porr T. 2014. Adaptation and foraging from the terminal Pleistocene to the Early Holocene: Excavation at Bubog on Ilin Island, Philippines. Journal of Field Archaeology 39, 230-247.</p> <p>Pawlik AF, Piper P, Mijares ASB. 2014. Modern Humans in the Philippines: Colonization, Subsistence and New Insights into Behavioural Complexity. In M Porr and R Dennell (eds), Southern Asia, Australia and the Search for Human Origins, Cambridge Press, 135-147.</p> <p>Mijares ASB. 2015. Human Emergence and Adaptation to an Island Environment in the Philippine Paleolithic. In Kafu et al. (eds), Emergence and Diversity of Modern Human Behavior in Paleolithic Asia. Texas A&M University Press, 171-181.</p> <p>Neri LM, 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 Kafu 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 Sundalandes [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 paradiesisch? [Prehistory of the Philippines: Cultural backyard or simply paradisaical?]. 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 P, Wood RE, Lim KKA, Faylona MGGP, 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>	2	2	Documentary film titled "Developing Archaeological Science: The Akian Survey" in collaboration with Film Institute
EIDR 2	DIL CS NIP	Tapang, Giovanni	Professor 3	Students, teachers, researchers	2013	July	1	2015 2016	June June (extension)	30 30	Versatile Instrument System for Science Education and Research - Sensors and Modules (VISSEr-SM)	13,288,784.00	<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>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>

												Carasco MCA, Pizarro JPP, Tapang G. 2015. Development of a microcontroller-based wireless accelerometer for kinematic analysis. <i>Journal of Mechatronics, Electrical Power and Vehicular Technology</i> 6, 1-8.				Development of software for control, user interface and analytical tools Development of an LED-based spectrometer for advanced chemistry laboratory experiments	
												Bruzon DA, Tionson JK, Tapang G, Martinez IS. 2017. Electroreduction and solubility of CO ₂ in methoxy-and nitrile-functionalized imidazolium (FAP) ionic liquids. <i>Journal of Applied Electrochemistry</i> 47, 1251-1260.					
												Tionson JK, Bruzon DA, Tapang G, Martinez IS. 2018. Syntheses and properties of Methoxy and Nitrile functionalized imidazolium tris (pentafluoroethyl) trifluorophosphate Ionic liquids. <i>Journal of Chemical and Engineering Data</i> 63 (5), 1135-1145.					
EIDR 2	LB CFNR Dept. of Forest Products and Paper Science	Acda, Menandro	Professor 11	Agriculture industry, researchers	2013	July	1	2017 2018	June June (extension)	30 30	Wood to energy: Use of fast growing plantation tree species as fuel pellets in the Philippines	18,003,000.00	Acda MN. 2015. Fuel pellets from downed coconut (<i>Cocos nucifera</i>) in super typhoon Haiyan. <i>Biomass and Bioenergy</i> 83, 539-542.		2	2	Set up of a wood pellet pilot plant in UPLB
												Acda MN, Devera EE. 2015. Physico-chemical properties of wood pellets from forest residues. <i>Journal of tropical forest Science</i> 26, 589-595.					
												Acda MN. 2016. Physical and chemical properties of fuel pellets from agricultural residues. <i>The Philippine Agricultural Scientist</i> 99, 283-287.					
												Acda MN, Jara AA, Daracan VC, Devera EE. 2016. Opportunities and barriers to wood pellet trade in the Philippines. <i>Ecosystems & Development Journal</i> 6, 27-31.					
												Jara AA, Daracan VC, Devera EE, Acda MN. 2016. Techno-financial analysis of wood pellet production in the Philippines. <i>Journal of Tropical Forest Science</i> 28, 517-528.					
												Rojo MIA, Acda MN. 2016. Interspecific Agonistic behavior of <i>Macrotermes gilvus</i> (Isoptera: Termitidae): Implication on termite baiting in the Philippines. <i>Journal of Insect Behavior</i> 29, 273-282.					
												Bajo P Jr, Acda MN. 2017. Fuel pellets from a mixture of rice husk and wood particles. <i>Bioresources</i> 12, 6618-6628.					
												Romano AD, Acda MN. 2017. Feeding preference of the drywood termite <i>Cryptotermes cynocephalus</i> (Kalotermitidae) against industrial tree plantation species in the Philippines. <i>Journal of Asia-Pacific Entomology</i> 20, 1161-1164.					
EIDR 2	LB CFNR Dept. of Social Forestry and Forest Governance	Gata, Ma. Larissa Lelu	Assistant Professor	Researchers, academe, NGOs	2013	July	15	2015 2016	July July (extension)	14 15	Exploring a theory of engaged collaboration across borders among transnational advocacy networks	3,417,620.00	Gata MLLCP. 2016. Philippines, Families. In Shehan C (ed), <i>The Wiley Blackwell Encyclopedia of Family Studies</i> , 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	
EIDR 2	LB CA Food Science Cluster	Castillo-Israel, Katherine Ann	Assistant Professor	Food processing industry, researchers	2013	July	15	2015 2016	July May (Extension)	15 15	The use of the ethylene antagonist 1-methylcyclopropene (1-MCP) to prolong the shelf-life of minimally processed fruits and vegetables	4,002,448.00	Castillo-Israel KAT, Gandia JBL, Velez ACG, Absulio WL, Bainto LC. 2015. Storage quality of fresh-cut Philippine "Carabao" mango (<i>Mangifera indica</i> L. cv. "Carabao") fruits with 1-Methylcyclopropene (1-MCP) post-cutting treatment. <i>International Food Research Journal</i> 22, 2196-2202.	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.	

												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.					
EIDR 2	MAN CM	Paz-Pacheco, Elizabeth	Professor 1	General public, medical/health practitioners, researchers	2013	August	1	2015 2017 2018	July December (extension) December (extension)	31 30 31	Clinical and autoimmune characteristic of early onset diabetes in young adult Filipinos	11,507,605.00					Scorecard to predict type 1 and type 2 diabetes
EIDR 2	MAN CAS Dept. of Behavioral Sciences	Estacio, Leonardo	Associate Professor 5	Health care providers, researchers, general public	2015	February	1	2018 2018	January April (Extension)	31 30	Drug use and behavioral health among young people in metro manila: A baseline cum intervention study	16,673,384.25		3			Mentoring of 3 masteral students Established the Behavioral Health and Addictions research group in UP Manila Research partnership agreement with DOH, Dangerous Drugs Board, treatment and rehabilitation centers Training curriculum/module for community volunteers and treatment providers Preparation of a software/program that aids in data collection and analysis Community-based treatment model for drug users
EIDR 2	DIL CSWCD	Claudio, Sylvia	Professor 8	Health care practitioners, UP employees, researchers	2013	July	20	2015 2016	July June (extension)	19 30	One UP health benefits action research: Towards a gendered universal health care sectoral model utilizing an Information Technology System	6,535,650.00					Setting up of the One UP Health website Key informant interviews with Barangay UP, UP HRDO, UHS, GSIS, SSS, PhilHealth, PCSO (Output of project is a policy paper submitted to data privacy commission, GSIS, SSS, PhilHealth, and UP Diliman Health Centers)
EIDR 3	MAN CM DIL NCPAG	Sia, Isidro / Co, Edna	Professor 12/ Professor	General public, health care providers, LGUs, government agencies, researchers	2014	April	1	2016 2016	April December (extension)	30 31	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), Department of Health (DOH), Philippine Institute for Traditional and Alternative Health Care (PITAHAC), and Philippine Insurance Corporation (PhilHealth)	19,999,855.92					Established "Best Practice Guidelines" for the management of 10 common community diseases Ang mga community health workers ng mga CMHP ng Tanay, Rizal; Sorsogon City at Gubat, Sorsogon; Murica at Sipalay, Negros Occidental; Sinacaban, Aloran, at Tudela, Misamis Occidental; Midsayap, North Cotabato; Patikol at Jolo, Sulu; at Quezon City; at Sina-IC Isidro, RN Caragay, RM Galang. 2015. Best practice guidelines ng mga community-managed health programs (CMHPs) sa paggagamot ng sampung karanawang sakit sa komunidad. Quezon City: IMAN (Desktop publication)
																	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.
																	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)

EIDR 3	LB Agricultural Systems Cluster	Garcia, Jose Nestor	Associate Professor	Farmers, researchers, industry	2015	May	1	2017 2018	June December (Extension) March (Extension)	30 30 31	Interdisciplinary research and development for the germplasm characterization, production and utilization of Gabing San Fernando for feeds	9,979,732.00	<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.) Schott and Melet in selected areas of Luzon and Zamboanga City, Philippines (Submitted to ISSAAS).</p> <p>Mateo JM, Villavicencio ML, Ignacio RM, Villancio VT, Bulatao MJ, De Chavez H, Garcia JNM. Survey of insect pests and diseases of gabing San Fernando (Xanthosoma Sagittifolium (L.) Schott, Melet) Corms and its potentials as food and feed substitute for cassava (Manihot Esculenta Crantz) (Submitted to Philippine Journal of Crop Science).</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,</p>
EIDR 3	BAG CS Dept. of Mathematics and Computer Science	Collera, Juancho	Associate Professor 4	Researchers, academe	2014	May	1	2016	April	30	Bifurcations in laser networks with Sn symmetry	930,240.00	<p>Buono PL, Collera JA. 2015. Symmetry-breaking bifurcations in rings of delay-coupled semiconductor lasers. Society for Industrial and Applied Mathematics Journal on Applied Dynamical Systems 14, 1868-1898.</p> <p>Collera JA. 2016. Symmetry-breaking bifurcations in laser systems with all-to-all coupling. Mathematical and Computational Approaches in Advancing Modern Science and Engineering, 81-88.</p> <p>Domogo AA, Collera JA. 2016. Classification of codimension-one bifurcations in a tetrad of lasers with feed forward. International Conference on Fundamental and Applied Sciences (AIP Conference Proceedings) 1787, Issue 1, 10.1063/1.4968141.</p>			
EIDR 3	LB CEM Dept. of Economics	Cuevas, Agham	Associate Professor 6	Farmers, rice producers, entrepreneurs, researchers	2014	April	1	2015 2015	April September (Extension)	30 30	Identifying transaction costs and assessing their effects in agriculture: The case of farmers' market participation in the Philippine rice sector	1,137,000.00	<p>Cuevas A, Clarete RL. 2015. Effect of transaction costs on farmers' market participation in the Philippine rice sector. Philippine Journal of Crop Science 40, 35-44.</p> <p>Cuevas AC. 2016. Effects of transaction costs on rice farmers' adoption of certified seeds in the Philippines. Journal of Economics, Management and Agricultural Development 2, 1-13.</p>			
EIDR 3	LB NIMBB BIOTECH	Aggangan, Nelly	Scientist I (SCS)	Farmers, researchers, agriculture industry	2015	March	1	2018 2019	February February (Extension)	28 28	Assessment of the effects of combining biochar fertilizer and vermicompost on soil quality and crop production	10,500,000.00				Patent application for Mykorch
EIDR 4	DIL CS NIMBB	Saloma, Cynthia	Professor 4	General public, health/medical practitioners, researchers	2014	May	1	2016 2017	April April (Extension)	30 30	Analysis of susceptibility variants (Single Nucleotide Polymorphisms or SNPs) in candidate genes to unravel the genetic basis of preeclampsia(pregnancy-induced hypertension) among Filipino women	5,684,600.00	<p>Amosco M, Villar VAM, Naniang JMA, David-Bustamante LMG, Jose PA, Palmes-Saloma CP. 2016. VEGF-A and VEGFR1 SNPs associate with preeclampsia in a Philippine population. Clinical and Experimental Hypertension 38, 578-585.</p>			

EIDR 4	DIL CS IB	Rivera, Windell	Professor 6	General public, pharmaceutical companies, researchers	2014	October	1	2018	October	31	Recombinant protein expression and immunological characterization of de-antigenized human influenza H3 hemagglutinin	16,346,364.00			2	Plasmid expansion using <i>E. coli</i> NovaBlue strain Propagation of induced transfected-Drosophila S2 cells		
EIDR 4	DIL CS MSI	Conaco, Ma. Cecilia	Professor 12	Researchers, academe	2014	July	1	2016-2017	June June (extension)	30 30	Exploring the molecular mechanisms underlying the stress response and interspecies interactions of the soft coral, <i>Helioportia coerulea</i>	5,225,670.00	Atrigenio MA, Allino PM, Conaco C. 2017. Influence of the blue coral <i>Helioportia coerulea</i> on scleractinian coral larval recruitment. <i>Journal of Marine Biology</i> 2017, 6015143.	1	2	Developed an assembly of the <i>H. coerulea</i> reference transcriptome, comparative gene complement and gene history analysis, differential gene expression analysis, description of the blue coral growth response under different controlled temperatures and a year-long monitoring of <i>in situ</i> growth of <i>H. coerulea</i> colonies in Bolinao, Pangasinan		
EIDR 4	DIL CEngg Dept. of Chem Engineering	Pajarito, Bryan	Associate Professor	Researchers, materials industry	2014	July	1	2016	August	31	Effects of shaped filler reinforcement on the diffusion behavior of liquids in polymer composites	2,893,000.00	Pajarito BB, Dang-Awan DF, Felipe MAA, Handa KC. 2016. Desorption behavior of epoxy/amine-coated polyester triangular bar composites pre-exposed to acid environment. <i>Materials Science Forum V</i> , 3-7. 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. <i>Key Engineering Materials</i> 705, 93-97.	5				
EIDR 5	LB NIMBB BIOTECH	Fernando, Lilia	University Researcher II	General public, meat producers, government agencies, researchers	2014	November	1	2016	October	31	Development of a nanoparticle-based biosensor for the rapid detection of <i>Escherichia coli</i> O157:H7 Strain Sakai	2,499,800.00						
EIDR 5	LB CAS Institute of Chemistry	Torio, Mary Ann	Associate Professor 4	Researchers	2015	July	10	2019	July	9	Protein engineering of the major storage protein of mungbean enhanced with bioactive peptides exhibiting hypocholesterolemic activity	10,000,000.00			3	4	1	Submitted a manuscript to KIMIKA for review.
EIDR 5	DIL CS Institute of Mathematics	Lemence, Richard	Associate Professor 5	Academe, researchers	2015	June	8	2017-2018-2019	June June March (extended)	7 7 7	Automated constructions of phylogenetic trees and networks of languages in the greater central Philippines by a feature-sensitive metric.	9,393,000.00			6	2		
EIDR 5	BAG CSS Dept. of Social Anthropology	Salvador-Amores, Analyn	Associate Professor 5	Researchers, academe, indigenous communities	2016	April	1	2018	April December (extended)	1 1	Anthropological, mathematical symmetry and technical characterization of Cordillera textiles	5,327,000.00						Developed a catalogue of Cordillera textiles (currently housed at the Museo Kordilyera) in UP Baguio Designed a portable reflectance transformation imaging (PRTI) setup
EIDR 5	BAG CS Dept. of Mathematics and Computer Science	Addawe, Joel	Associate Professor 6	Researchers, academe	2015	July	15	2017	July	14	Mathematical analysis of climate-based malaria transmission model with age-structured population	1,018,280.00	Addawe J, Pajimola AK. 2016. Dynamics of climate-based malaria transmission model with age-structured human population. <i>AIP Conference Proceedings</i> 1782, Article no. 040002.		2		Presentations in international and national conferences	

EIDR 5	BAG CS Dept. of Mathematics and Computer Science	Bacani, Jerico	Associate Professor 6	Researchers, academe	2014	August	1	2016	July	31	The analysis of Bernoulli free boundary problem using the velocity method and second-order perturbation of identity technique	2,090,560.00	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. Bacani JB, Peichi 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. Rabago JFT, Bacani JB. 2017. Shape optimization approach to the Bbernoulli problem: A Lagrangian formulation. IAENG International Journal of Applied Mathematics 47, 417-424. Rabago, JFT, Bacani, JB. 2018. Shape Optimization approach for solving the bernouli problem by tracking the neumann data: a lagrangian formulation. Communications on Pure and Applied Analysis 17, 2683-2702.	1		Presentations in international and national conferences
EIDR 5	LB BIOTECH	Tambalo, Richard	University Researcher II	Fuel industry, researchers	2014	November	1	2016	October	31	Overexpression, purification and characterization of a recombinant thermo-stable endoglucanase for effective hydrolysis of lignocellulosic materials	2,500,000.00				Invention disclosure for "A recombinant thermo-acid stable endoglucanase for potential application in the high temperature-dilute acid hydrolysis of lignocellulosic materials" Patent application to be filed for "Use of thermo-acid stable endoglucanase in the high temperature-acid hydrolysis of lignocellulosic materials"
EIDR 5	LB CA Institute of Plant Breeding	Garcia, Roberta	Associate Professor 7	Farmers, researchers, industry	2015	April	1	2019	March	31	Development of scale-up production methodologies for recombinant enzymes towards commercialization	9,358,900.00			1	
EIDR 6	DIL CAL Dept. of English and Comparative Literature	Ick, Judy Celine	Professor 8	Academe, students	2016	March	8	2018	March	7	Philippine performance archive: Ritual, dance, theatre	19,715,132.00	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) 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) 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://jfm.o.org.ph/events-and-courses/art-archive-01/) 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. 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)	2	6	Philippine Performance Archive project 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. 2. Ick, Judy Celine. (Forthcoming 2018) "Shakespeare in the Philippines" The Stanford Global Shakespeare Encyclopedia. Stanford: Stanford University Press. (http://www.sup.org/Shakespeare/) 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. 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. 5. Tiatco, Sir Anril P. (Forthcoming, 2019). Panata, Pagtitipon, Pagdiriwang: A Preliminary Contextualization of Cultural Performances in the Philippines. Humanities Diliman 16 (1).

EIDR 6	DIL CS MSI	Lluisma, Arturo	Research Professor 3	Researchers	2015	December	1	2017 2018	November May (extension)	30 31	Conus structural exogenomics program	9,385,376.00	Barghi N, Concepcion GP, Olivera BM, Lluisma AO. 2015. Comparison of the venom peptides and their expression in closely related conus species: Insights into adaptive post-speciation evolution of Conus exogenomes. <i>Genome Biology and Evolution</i> 7, 1797-1814. Barghi N, Concepcion GP, Olivera BM, Lluisma AO. 2016. Characterization of the complete mitochondrial genome of Conus tribblei Walls, 1977. <i>Mitochondrial DNA. Part A</i> 27, 4451-4452. Barghi N, Concepcion GP, Olivera BM, Lluisma AO. 2016. Structural features of conopeptide genes inferred from partial sequences of the Conus tribblei genome. <i>Molecular Genetics and Genomics</i> 291, 411-422.	8	1	Mendoza, CB, Masacupan, DJ, Batoctoy, DC, Asuncion, XE, Sampaco, AR, Vios, VS, Barghi, N, Yu-Roberto, E, Lluisma, AO, Salvador-Reyes, LS. <i>Conomorphins: Prey specific arsenal of conus eburneus</i> . Nature Publishing Co. (Submitted Manuscript)	
EIDR 6	DIL CSSP Third World Studies Center	Jose, Ricardo	Professor 12	Policy makers, LGUs, national agencies, academe, general public	2015	October	1	2017 2017	September December (extension)	30 30	The mass transit system in Metro Manila: From tranvia to MRT, 1879-2014	10,075,688.00			6	MOA with National Archives of the Philippines (NAP) Launched a video documentary entitled "Tranvia: Ang Mga Riles ng Kamaynilaan"	
EIDR 6	LB CA Institute of Food Science and Technology	Flores, Florendo	Associate Professor 2	General public, health practitioners, food processing industry, fruit industry, academe, researchers	2016	February	1	2018	January	31	<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)	3,374,136.00 *3,148,624.00					
EIDR 6	DIL CMC	David, Clarissa	Professor 1	Academe, students	2015	October	20	2017 2018	October October (extension)	19 19	Data science and society: Application in public education	8,955,796.00					
EIDR 6	DIL CS NIMBB	Garcia, Reynaldo	Professor 8	General public, health/medical practitioners, researchers	2015	November	25	2017	November	24	Profiling and functional characterization of novel mutations in EFGR cellular proliferation and cell survival pathways among Filipino young-onset, sporadic colorectal cancer patients	9,207,623.00 *11,083,255.57		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
EIDR 6	LB CFNR Institute of	Bantayan, Nathaniel	Professor 7	LGUs, national agencies, academe, researchers	2016	January	7	2018	January	6	Forest Canopy Observation, Positioning and Investigation (Forest CANOPI) Program:	9,909,703.00 *10,892,983.00		6			Conducted tree inventory and detailed topographic mapping Conducted the Forest Canopy Genomics Workshop Presentations in international conferences
EIDR 6	DIL AIT	Mena, Miguela	Professor 3	General public, LGUs, national agencies, academe	2016	February	1	2018 2018	January November (extended)	31 31	Learning tourism destinations: Creating functional partnerships and initiating positive change for sustainable tourism development in local economies	5,456,000.00		4			Presentations in international conferences MOA with Holy Name University
EIDR 6	LB Institute of Biological Science	Opulencia, Rina	Asst. Professor	health/medical practitioners, Researchers, academe	2017	September	15	2019	September	14	Recombinant buffalo antibodies as a resource for diagnostics and therapeutics: Proof-of-concept and applications in Schistosomiasis	4,639,840.00		3			

EIDR 6	DIL CS Institute of Chemistry	Junio, Hyas	Assistant Professor 6	Researchers, academe	2015	November	13	2017	November	12	Towards a molecular level understanding of essential oil- protein interactions and their applications as insect biocontrol agents	9,841,772.00 *10,159,000.00	Dacanay FND, Ladra MCJA, Junio HA, Nellas RB. 2017. Molecular affinity of mabolo extracts to an octopamine receptor of a fruit fly. <i>Molecules</i> 22, 1677.	1	3	
EIDR 6	DIL CS Institute of Chemistry	Hernandez, Christine	Associate Professor 5	Researchers, academe	2015	October	27	2017	October	26	Development of bioactive cyclotides from Philippine biodiversity	7,499,048.00 *7,793,007.00			3	
EIDR 6	DIL CS Institute of Biology	Ong, Perry	Professor 11	Researchers, national agencies, academe	2015	December	18	2017	December	17	From genes to ecosystems: Understanding fruit bat species and genetic diversity and its ecological interactions with plants in tropical lowland forests, Palanan, Isabela, Philippines	10,351,180.00 *13,496,462.20	Duya MR, Fidelino J, Ong P. 2017. Spatial heterogeneity of fruit bats in a primary tropical lowland evergreen rainforest in northeastern Luzon, Philippines. <i>ACTA Chiropterologica</i> 19, 305-318.			
EIDR 6	DIL CS Institute of Chemistry	Lamorena-Lim, Rheo	Associate Professor 3	Students, Academe	2015	November	25	2017 2018	November May (extension)	24 24	Crowdsourced sensing for student engagement in Science Education (CrowdSENSE)	7,723,672.00			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/
EIDR 6	DIL Asian Center	Raquiza, Antoinette	Associate Professor 3	Policy makers, LGUs, national agencies, academe, NGOs, general public	2015	December	1	2017 2018	November February (Extension)	30 2	Bugkos: Putting equitable development at the center of the Asian Century	5,449,780.00			3	Public forum on comparative politics and economic development between the Philippines and Thailand
EIDR 6	DIL CS Institute of Chemistry	Yago, Allan Christopher	Assistant Professor 5	Researchers, academe	2015	November	9	2017	November	8	TiO2 based nanomaterials and nanocomposites as photoelectrocatalysts for the removal and sensing of synergistic organic pollutants	13,082,004.00 *2,534,004.00			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 Espinilla, 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 Buenavaje, SC, Usman, KA, Payawan, LM. "Synthesis and characterization of titanium dioxide-polypropylene 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)

												De la Cruz RJ, Merino DI, Paras AT. 2017. Skew phi polar decompositions. Linear Algebra and its Applications 531, 129-140.					
												De la Cruz, RJ, Granario, DQ.2018.Product of Symplectic normal matrices.Linear Algebra and its Applications 543, 162 - 172.					
EIDR 6	DIL CEngg EEEI	Hilario, Paul Leonard Atchong	Assistant Professor	Researchers, academe	2015	December	7	2017	December	6	Wavefront Engineering Research: Suppression of spurious diffraction orders	2,500,000.00					
EIDR 7	MAN College of Medicine	Dans, Antonio Miguel	Professor 12	General public, health/medical practitioners, researchers	2015	December	17	2017 2018	December December (extension)	16 16	Philippine Studies on Primary Care-Pilot study in UP Diliman	16,013,212.00		1			Submitted article to Asia Pacific Journal of Public Health for review
EIDR 7	DIL College of Music Dept. of Musicology	Buenconsejo, Jose	Professor 2	General public, researchers, academe	2015	December	18	2017 2018	September May (extension)	23 31	Interdisciplinary research on arts and culture of the Philippines	9,629,925.00					Saysay Himig anthology of recorded Philippine transcultural music Staged "Diwata ng Bayan" and "Putri Anak" at the Cultural Center of the Philippines Two manuscripts (Saysay Himig & Philippine Modernities: 1880-1941) have been accepted for publication by the UP Press Buenconsejo, Jose, Ed. Philippine Modernities: Music, Performing Arts, and Language. Quezon City: University of the Philippines Press, 2017. Tan, Arwin, ed. Saysay Himig: Anthology of Readings in Philippine Music History. Quezon City: University of the Philippines Press, 2018. Tan, Arwin, ed. Anthology of Transcultural Philippine Music. 3 CD's. Quezon City: UP College of Music, 2016. Maranan, Ed. Libretto of Diwata ng Bayan. Sinco, Carmela. Music of Diwata ng Bayan (conductor's score and parts and piano-vocal score). Villasis, Enrique and Juan Ekis. "Original" (Text) of Putri Anak de la Peña, Verne. Music of Putri Anak
EIDR 7	OU	Alfonso, Grace	Professor Emeritus	Students, academe	2015	October	1	2016 2017	September May (extension)	30 31	Multimedia and multidisciplinary teaching and learning materials	9,500,000.00					Production of 100 Master Voices (multimedia materials for GE courses). Some of the videos are already available at TVUP (tvup.ph) VIDEOS(TVUP) Philippine Arts and Culture 1. Danas na Ganap (Glecy Aienza) 2. Myth and Creative Imagination (Jose Neil Garcia) 3. Creative Writing in the Digital age (Jose Wendell Capili) 4. How I Write Stories (Jose Dallsay 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 Caliete)

EIDR 7	DIL School of Statistics	Barrios, Erniel	Professor 12	General public, researchers, academe, national agencies	2016	January	14	2017 2017	January December (extension)	15 30	University of the Philippines in the last two decades	5,544,424.00					
EIDR 7	DIL CS NIMBB	Bautista, Ma. Anita	Assistant Professor 7	Researchers, academe	2016	January	15	2018 2018 2018	January June (extension) July (extension)	14 14 14	Reinforcing local applications of omics technology and bioinformatics	16,615,096.00				1	
EIDR 7	DIL CMC	Tolentino, Roland	Professor	Researchers, academe	2016	May	23	2018	May	22	Literacy, literature and translation for people empowerment program	8,072,000.00					CALL FOR SUBMISSIONS for Bukambibig's Issue 04: 'Social Movements'
																	<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 FilipinoZhiya 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>

