

### Enhanced Creative Work and Research Grant (ECWRG)

(as of 31 December 2019)

Cnt	Project Title	Proponent	CU	College	Beneficiaries	Funding Source	Start Date	End Date	Status	Grant Amount	Publications
1	Impact of Island Formation on Desorption Kinetics During Temperature-Programmed Desorption: A Kinetic Monte Carlo Study	Albao, Marvin A.	UPLB	IMSP	Surface scientists, environmentalists, physicists, chemists, researchers, engineers	Reprogrammed Funds	2017	2019	Completed	600,000.00	Albao MA. 2019. Impact of defect-driven surface inhomogeneity and minimal island formation on temperature-programmed desorption spectra: A kinetic Monte Carlo study. Vol. 16, pp.85-92. ESCI/Scopus
2	Quorum Sensing Inhibitors for Veterinary Applications	Bandoy, Dj Darwin R.	UPLB	CVM	Veterinarians	Reprogrammed Funds	2017	2019	Ended	500,000.00	
3	Development of $\beta$ -cyclodextrin Microcapsules for Delivery of $\beta$ -carotene as Rice Fortificant	Flores, Floreindo P.	UPLB	COA	Rice farmers, industry, LGUs	Reprogrammed Funds	2017	2019	Ended	550,000.00	
4	Detection of Anaplasma DNA in Milk and Blood from Dairy Cattle in CALABARZON (Region IV-A) Provinces through Nested Polymerase Chain Reaction	Galay, Remil L.	UPLB	CVM	Dairy cattle raisers, dairy cattle breeders	Reprogrammed Funds	2017	2019	Completed	500,000.00	DELA CRUZ, A., GALAY, R., SANDALO, K., PILAPIL-AMANTE, F., TANAKA, T., 2019. Molecular detection of Anaplasma spp. in blood and milk of dairy cattle in the Philippines. Turk J Vet Anim Sci (2019) 43:© TÜBITAK doi:10.3906/vet-1903-27 WoS
5	Monitoring the Implementation of RA 9003 (SWM Act) at the Barangay and Municipal Levels in Santa Cruz Watershed	Nguyen, Miriam R.	UPLB	CPAD	Semiconductor industry	Reprogrammed Funds	2017	2019	Ended	500,000.00	
6	Optimization of Kalumpit (Terminalia Microcarpa) Antioxidant Extraction Protocol	Santiago, Dennis Marvin O.	UPLB	CA	Semiconductor industry	Reprogrammed Funds	2017	2019	Ended	550,000.00	
7	Isolation, Purification and Characterization of Proteins with Bioactive Peptides Exhibiting Angiotensin I-converting Enzyme (Ace) Inhibitory and Antioxidative Activities from Different Varieties of Banana in the Philippines	Torio, Mary Ann O.	UPLB	IC	Farmers, environmentalist	Reprogrammed Funds	2017	2019	Ended	550,000.00	
8	Babala ng Balang Araw at Iba Pang Abiso	Acuña, Arbeen R.	UPD	CAL	Literature writers	Reprogrammed Funds	2017	2019	Ended	450,000.00	
9	SAYSAY: The Philippine Essay in the 21st Century	Cruz, Conchitina	UPD	CAL	Literature writers	Reprogrammed Funds	2017	2019	Completed	500,000.00	Cruz C. 2019 Sány   Saysay   Sanaysay: A Bilingual Anthology of Essays by Filipino Authors. De La Salle University Publishing House
10	Musika ng Pananakop: Panahon ng Hapon sa Filipinas, 1942-1945	Navarro, Raul C.	UPD	CM	Musicians, artists	Reprogrammed Funds	2017	2019	Ended	600,000.00	
11	Investigating Online Incivility and its Consequence on Online Discourse Engagement	San Pascual, Maria Rosel S.	UPD	CMC	Semiconductor industry	Reprogrammed Funds	2017	2019	Ended	500,000.00	
12	Computer-Aided Discovery of Repurposed Drugs for Superbugs	Billones, Junie B.	UPM	CAS	Semiconductor industry	Reprogrammed Funds	2017	2019	Completed	600,000.00	Billones JB, Bangalan AT. 2019. Structure-Based Discovery of Inhibitors Against MurE in Methicillin-Resistant Staphylococcus aureus. Vol. 35, No.2, pp. 618-625. Oriental Journal of Chemistry. ESCI/Scopus
13	A Practical Guide to International Ballroom Styles and Filipino Social Dances	Dimarucut, Alberto L.	UPD	CHK	Dance instructors, dancers, choreographers, researchers	Reprogrammed Funds	2018	2019	Ended	500,000.00	

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14	The Case of the Filipino-Korean Spouses Association (FKSA)	Encinas-Franco, Jean S.	UPD	CSSP	Diplomats, foreign policy makers, economists, social scientists	Reprogrammed Funds	2018	2019	Ended	500,000.00	
15	On Near-Perfect and Deficient-Perfect Numbers	Celeste, Richell O.	UPD	CS	Researchers, mathematicians	Reprogrammed Funds	2018	2019	Ended	500,000.00	
16	Repetitions and Alterations: Dramaturgy of Collaborative Adaptations in the Philippines	Tiatco, Sir Anril P.	UPD	CAL	Literature	Reprogrammed Funds	2018	2019	Ended	550,000.00	Sir Anril P. Tiatco & Bryan L. Viray (2018). Performing Human Rights: Pista Rizalina's Interrogations of Martial Law, Extra-Judicial Killings and Historical Revisionsm at the Cultural Center of the Philippines. JATI- Journal of Southeast Asian Studies, Volume 23 (1), 2018, 215-239 WoS
17	Communication Research Textbook Volume 3: Analyzing, Interpreting, and Reporting Communication and Media Research	Paragas, Fernando Dlc.	UPD	CMC	Researchers	Reprogrammed Funds	2018	2019	Ended	550,000.00	
18	K-12 Career Track Assessment Using Neural Networks (K12-CANN)	Nazareno, Allen L.	UPLB	CAS	Researchers, students	Reprogrammed Funds	2018	2019	Completed	500,000.00	Allen L. Nazareno, Marie Joy F. Lopez, Geleena A. Gestiada, Marisol P. Martinez, Ranzivelle Marianne Roxas-Villanueva. 2019. An Artificial Neural Network Approach in Predicting Career Track of Incoming Senior High School Students. IOP Publishing doi:10.1088/1742-6596/1245/1/012005 Scopus
19	Screening for Phytochemicals and Antioxidant Compounds in Leaves, Fruit and Peel of Selected Philippine Mango Varieties	Ocampo, Eureka Teresa M.	UPLB	CAFS	Farmers, environmentalist	Reprogrammed Funds	2018	2019	Ended	500,000.00	
20	Mix-and-Match: Development of a Ruthenium-Based Catalytic Hydrogenation of Esters to Alcohols Using Readily Accessible Ligands	Aguila, Mae Joanne B.	UPLB	CAS	semiconductor industry	Reprogrammed Funds	2018	2019	Ended	550,000.00	
21	Biodiversity assessment of Philippine karst landscapes: taxonomic description of new species of cave and karst aquatic animals in Mindanao	Husana, Daniel Edison M.	UPLB	CAS	Archeologists, studying the marine environment, marine scientists, Indigenous people	Reprogrammed Funds	2018	2019	Completed	550,000.00	Husana DE, Ng PKL. 2019 On the Identity of Sundathelphusa philippina (von Martens, 1868) (Decapoda: Brachyura: Gecarcinucidae) from the Philippines, with Descriptions of Two New Species. Vol. 4585 Issue 2 pp. 315-331. Zootaxa. SCIE/Scopus
22	CO2 adsorption and dissociation on Cu cluster supported on Cu(111): A density functional theory investigation	Padama, Allan Abraham B.	UPLB	CAS	Surface scientists, environmentalists, physicists, chemists, researchers, engineers	Reprogrammed Funds	2018	2019	Ended	550,000.00	
23	Effects of Davao-Produced Compsts on Soil and Selected Crops (Pechay, Radish, Tomato, and Banana)	Millado, Cyrose Sozie S.	UPM	CSM	Farmers, environmentalist	Reprogrammed Funds	2018	2019	Ended	500,000.00	

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24	Fabrication of Cellulose-based Anion Exchange Membranes for Fuel Cell and Electrolyser Application	Espiritu, Richard D.V.	UPD	COE	Semicondustor Industry	Reprogrammed Funds	2018	2019	Ended	500,000.00	
25	Utilization of water hyacinth (Eichhoria crassipes) for the simultaneous synthesis of carbon quantum dots for cellular imaging and porous carbon for CO2 capture	Magdaluyo, Eduardo Jr. R.	UPD	COE	Semiconductor industry	Reprogrammed Funds	2018	2019	Ended	550,000.00	
26	From Mud to Art: Modification of Locally-Sourced Clay for 3D Printing Ceramic Sculptures	Manapat, Jill Z.	UPD	COE	Archeologists, historians, indigenous people	Reprogrammed Funds	2018	2019	Ended	500,000.00	
27	Unearthing Human Thoughts About Plants and Animals: Clay as a Means to Talk About Issues that Affect Our Existence	Sta. Ana, Mary Catherine P.	UPD	CFA	Indigenous peoples, ethnobotanists	Reprogrammed Funds	2018	2019	Ended	500,000.00	
28	A Transact Study of the Ants of Mt. Isarog Natural Park, Camarines Sur	General, David Emmanuel M.	UPLB	MNH	Biotechnologist, agriculturists, environmentalists	Reprogrammed Funds	2018	2020	Ongoing	450,000.00	
29	In vitro and in vivo evaluation of the biological activities of Tabernaemontana pandacaqui Lam. ethanol extract.	Dela Cruz, Joseph F.	UPLB	CVM	Researchers, biologists	Reprogrammed Funds	2018	2020	Ongoing	500,000.00	
30	Computational and theoretical studies of small molecule binding on nanoclusters and surfaces	Paraan, Francis Norman C.	UPD	CS	Semiconductor industry	Reprogrammed Funds	2018	2020	Ongoing	500,000.00	
31	Similarity Isometries of Lattices and Related Structures	Loquias, Manuel Joseph C.	UPD	CS	Researchers, mathematician	Reprogrammed Funds	2018	2020	Ongoing	550,000.00	
32	Dangerous hitchhikers: Investigating harmful phytoplankton species associated with floating plastic debris in the marine environment	Onda, Deo Florence L.	UPD	CS	Geologists, biologists, students studying the marine environment, marine scientists	Reprogrammed Funds	2018	2020	Ongoing	500,000.00	
33	World Premiere of a new Musical entitled, Boses ni YOLANDA	Ferrer, Alegria O.	UPD	CMu	Musicians, theater/stage performers, artists	Reprogrammed Funds	2018	2020	Ongoing	550,000.00	
34	Evaluation of the effect of plant-derived products with potential anti-cancer activity on the development of the embryo during gestation	Ipulan, Lerrie Ann D.G.	UPD	CS	Researchers, botanists	Reprogrammed Funds	2018	2020	Ongoing	500,000.00	
35	LUAD ILOCOS Ceramic Art Project - Development of Philippine High-Firing Clays from the Ilocos Province to Promote Philippine Ceramic Arts	Gudiño, Ma. Rita B.	UPD	CFA	Archeologists, historians, indigenous people	Reprogrammed Funds	2018	2020	Ongoing	500,000.00	
36	Deficiency Theorems for Classes of Power Law Kinetic System	Talabis, Dylan Antonio SJ.	UPLB	CAS	Surface scientists, environmentalists, physicists, chemists, researchers, engineers	Reprogrammed Funds	2018	2020	Ongoing	500,000.00	
37	Queues with Choice: A Symmetry Perspective	Collera, Juancho A.	UPB	CS	Researchers, mathematician	Reprogrammed Funds	2018	2020	Ongoing	550,000.00	
38	Biosynthesis of Zinc Oxide Nanoparticles Using Cacao Pod Husk and Investigation of their Anti microbial Properties	Fundador, Noreen Grace V.	UPM	CSM	Biotechnologist, agriculturists, food technologists, environmentalists	Reprogrammed Funds	2018	2020	Ongoing	550,000.00	

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39	Application Potential of Deep Eutectic Solvents in the Synthesis and Purification of Lumbang (Aleurites moluccana) Derived Biodiesel and Alkyd Resins	Nelson, Villarante	UPM	CAS	Semiconductor industry, materials science researchers	Reprogrammed Funds	2018	2020	Ongoing	600,000.00	
40	Effect of Doping and annealing temperatures on the optical, structural, and magnetic properties of ZnO nanostructures	Sarmago, Roland V.	UPD	CS	Semiconductor industry, materials science researchers	Reprogrammed Funds	2018	2020	Ongoing	650,000.00	
41	Degradation kinetics and solvent selection for polyethylene recovery from spent thermoplastic laminates	Tumolva, Terence P.	UPD	COE	Surface scientists, environmentalists, physicists, chemists, researchers, engineers	Reprogrammed Funds	2018	2020	Ongoing	550,000.00	
42	Topochemical Transformations of Philippine Clays: Organic-Free Synthesis of Zeolites from Philippine bentonite	Conato, Marlon T.	UPD	CS	Semiconductor industry, materials science researchers	Reprogrammed Funds	2018	2020	Ongoing	550,000.00	
43	Characterization of tetillid sponge-associated diversity on reefs influenced by environmental stress	Conaco, Ma. Cecilia G.	UPD	CS	Geologists, biologists, students studying the marine environment, marine scientists	Reprogrammed Funds	2018	2020	Ongoing	500,000.00	
44	OWLS: Common Objects with Labels Segmentation and Text Recognition	Atienza, Rowel O.	UPD	CS	Researchers, Computer Programmers, App developers	Reprogrammed Funds	2019	2020	Ongoing	550,000.00	
45	Establishing a ground attenuation relation for the Philippines using artificial blasting methods	Aurelio, Mario A.	UPD	CS	Surface scientists, environmentalists, researchers, mining engineers	Reprogrammed Funds	2020	2021	Ongoing	600,000.00	
46	Maceda, Spahlinger and the Dialectics of a "New Music" Praxis in Southeast Asian Modernity	Baes, Jonas U.	UPD	CMU	Musicians, theater/stage performers, artists	Reprogrammed Funds	2019	2020	Ongoing	600,000.00	
47	Consumers' Financial Odysseys: Characterizing Sociocultural Barriers and Popular Media Agents to Financial Inclusion	Centeno, Dave D.G.	UPD	VSB	Researchers, industry	Reprogrammed Funds	2019	2020	Ongoing	550,000.00	
48	Fabrication of an all-solid-state Lithium battery using Lithium Lanthanum Titanate solid electrolyte	Cervera, Rinlee Butch M.	UPD	COE	Semiconductor industry	Reprogrammed Funds	2019	2020	Ongoing	500,000.00	
49	Population genetics of the critically endangered Philippine Cockatoo (Cacatua haematopyrgia) using single nucleotide polymorphisms in mitochondrial and nuclear genes	Fontanilla, Ian Kendrick C.	UPD	CS	Researchers, biologist, farmers	Reprogrammed Funds	2019	2020	Ongoing	550,000.00	
50	Phylogenetic analysis and population genetics of Philippine fruit bats (Pteropodidae)	Luczon, Adrian U.	UPD	CS	Researchers, veterinarians	Reprogrammed Funds	2019	2020	Ongoing	450,000.00	
51	Synthesis of High Entropy Alloy Through Subsequent Deposition of Metal Thin Films	Mercado, Candy C.	UPD	COE	Researchers, industry	Reprogrammed Funds	2019	2020	Ongoing	550,000.00	
52	Philippine Critical Discourse Studies: Current Practice Across Disciplines and Potential Contribution to Social and Cultural Analysis in the Philippines	Salonga, Aileen O.	UPD	CAL	Sociologists	Reprogrammed Funds	2019	2020	Ongoing	550,000.00	
53	DNA barcoding of the Sargassum (Phaeophyceae) resources of northern Philippines	Santiañez, Wilfred John E.	UPD	CS	Researchers, marine scientists	Reprogrammed Funds	2019	2020	Ongoing	500,000.00	

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54	Primordial Cosmological Perturbations, Horndeski Action, and (Extended) Disformal Transformation	Alinea, Allan L	UPLB	CAS	Researchers, cosmologists, physicists	Reprogrammed Funds	2019	2020	Ongoing	550,000.00	
55	In Vivo Investigation of Effects of Philippine Duhat ( <i>Syzygium cumini</i> L.) on Biomarkers of Obesity and Associated Metabolic Disorders (Dyslipidemia and Hyperglycemia)	Atienza, Liezel M.	UPLB	CHE	Researchers, botanist, industry, scientists	Reprogrammed Funds	2019	2020	Ongoing	500,000.00	
56	Land Mollusks in Kart Ecosystem in Island of Luzon, Philippines: Diversity, Distribution and Conservation Status	de Chavez, Emmanuel C	UPLB	CAS	Researchers, botanist, environmentalist	Reprogrammed Funds	2019	2020	Ongoing	500,000.00	
57	Exaggerated Evolution of Male Armaments via Male Competition	Gavina, Maica Krizna A.	UPLB	CAS	Researchers	Reprogrammed Funds	2019	2020	Ongoing	500,000.00	
58	Updating Makiling Biodiversity Information System (MakiBis) with Current Web Technologies: A Prototype for Centralized Biodiversity Information Management Systems in the Philippines	Macandog, Damasa M.	UPLB	CAS	Researchers, botanist, environmentalist	Reprogrammed Funds	2019	2020	Ongoing	650,000.00	
59	Saving the Malabayabas Forest's Ecotourism Resources of the Quezon Protected Landscape	Maldia, Lerma SJ.	UPLB	CFNR	Researchers, botanist, environmentalist	Reprogrammed Funds	2019	2020	Ongoing	500,000.00	
60	2D Transition Metal Dichalcogenides van der Waals Heterostructures: LEGO Materials for Clean and Renewable Energy Resource	Putungan, Darwin B.	UPLB	CAS	Researchers, scientists	Reprogrammed Funds	2019	2020	Ongoing	550,000.00	
61	Conservation and Ethnobotany of Native Metallophytes in Luzon Island, Philippines	Quimado, Marilyn O.	UPLB	CFNR	Researchers, biologists, botanists, environmentalists	Reprogrammed Funds	2019	2020	Ongoing	500,000.00	
62	Combinatorial Solutions to Steady State Probabilities of Some Exclusion Processes	Gonzales, Ken Joffaniel M.	UPLB	CAS	Researchers, biologists, physicists	Reprogrammed Funds	2019	2020	Ongoing	500,000.00	
63	Where are your Literary Giants?: An Examination of the Production and Reception of Cebuano Literature	Arong, Rose Marie	UPC	CCAD	Researchers, academe, students, writers	Reprogrammed Funds	2019	2021	Ongoing	500,000.00	
64	Microflorae of Good and Problematic Seeds in Tomato and Pepper Germplasm	Balendres, Mark Angelo O.	UPLB	CA	Researchers, academe, students	Reprogrammed Funds	2019	2021	Ongoing	500,000.00	
65	Diel activity pattern of <i>Cassidix cornuta</i> (Horned helmet shell) and its feeding behavior and prey preference on sea urchin species	Cabaitan, Patrick C.	UPD	CS	Researchers, academe, students	Reprogrammed Funds	2019	2021	Ongoing	500,000.00	
66	Homogenization of a thermal problem with an imperfect interface	Cabarrubias, Bituin	UPD	CS	Researchers, academe, students	Reprogrammed Funds	2019	2021	Ongoing	500,000.00	
67	Macroeconomic Risk Management Using Non-Gaussian Time Series Models	Cayton, Peter Julian	UPD	Sch of Stat	Researchers, academe, students	Reprogrammed Funds	2019	2021	Ongoing	500,000.00	
68	Analytic integration: Theory and application	Galapon, Eric A.	UPD	NIP	Researchers, academe, students	Reprogrammed Funds	2019	2021	Ongoing	600,000.00	
69	Compelled intimacy and the violence of politics in Manila: Understanding the war on drugs	Hapal, Karl Arvin F.	UPD	CWSD	Researchers, academe, students, community	Reprogrammed Funds	2019	2021	Ongoing	500,000.00	
70	Assessing the Effects of Water Stress on the Morpho-Physiology, Secondary Metabolite Production, and Bioactive Properties of the Native Philippine Onion ( <i>Allium cepa</i> L.)	Puzon, Juliana Janet	UPD	CS	Researchers, academe, students	Reprogrammed Funds	2019	2021	Ongoing	500,000.00	

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71	Diversity and population genetics of wild <i>Kappaphycus alvarezii</i> in Guiuan, Samar, Philippines	Roleda, Michael Y.	UPD	CS	Researchers, academe, students	Reprogrammed Funds	2019	2021	Ongoing	600,000.00	
72	Gut Microbiome Diversity of <i>Holothuria scabra</i> Juveniles Exhibiting Growth Variability	Ravago-Gotanco, Rachel June R.	UPD	CS	Researchers, academe, students	Reprogrammed Funds	2019	2021	Ongoing	500,000.00	
73	Philippine Disaster Information System (PHIL-DIS)	Saguin, Kristian Karlo C.	UPD	CSSP	Researchers, academe, students, community	Reprogrammed Funds	2019	2021	Ongoing	500,000.00	
74	Improving Attribute Classification in Cognitive Diagnosis Computerized Adaptive Testing in the Presence of Differential Item Functioning	Santos, Kevin Carl P.	UPD	Sch of Stat	Researchers, academe, students	Reprogrammed Funds	2019	2021	Ongoing	500,000.00	