

Enhanced Creative Work and Research Grant (ECWRG)
(Ongoing and Completed in 2018)

Cnt	Project Title	ECWRG	CU	Funding Source	Beneficiaries	Duration (Months)	Start Date	End Date	Status	Grant Amount
1	Coccolithopore Occurrences in Philippine waters	Peleo-Alampay, Alyssa M.	UP Diliman	Reprogrammed Funds	Geologists, biologists, students studying the marine environment, marine scientists	18	2016	2018	Ongoing	600,000
2	Optimal Control Strategies of Regulating the "Go or Grow" Dynamics of Glioblastoma Multiforme	Delos Reyes, Aurelio V A.	UP Diliman	Reprogrammed Funds	Oncologists	18	2016	2018	Ongoing	500,000
3	Sa Pakpak ng Tula 2	Aguila, Reuel	UP Diliman	Reprogrammed Funds	Literature	18	2016	2018	Completed	550,000
4	"Investigation of the Antagonistic Activity of Lactobacillus spp. Against Enteropathogenic Bacteria"	Ibana, Joyce A	UP Diliman	Reprogrammed Funds	Biologists, health professionals, biomedical researchers	18	2016	2018	Completed	550,000
5	Imaging Essence through the Body - From the Graphic to the Ethereal: A Solo Exhibition of Hybrid Works that take off from Traditional Printmaking Techniques with Video Documentary on the Artist's Creative Process	Abaño, Ma. Victoria R.	UP Diliman	Reprogrammed Funds	Artists	18	2016	2018	Completed	500,000
6	Isolation and Identification of Bacteria Producing Nanocellulose for Biomaterial Applications	Franco, Rose Ann G.	UP Los Baños	Reprogrammed Funds	Biomedical engineers	18	2016	2018	Ongoing	500,000
7	Simulation \Modelling of Plant Communities using Lattice Lotka-Voltera Model to Investigate the Effect of Uncertain Changes in Microhabitat Locality due to Climate Change	Tubay, Jerrold M.	UP Los Baños	Reprogrammed Funds	Environmentalists	18	2016	2018	Completed	500,000
8	Homogenization and Controllability of parabolic Equations with Interfacial Contact Resistance through Rough Surfaces	Jose, Editha C.	UP Los Baños	Reprogrammed Funds	Mathematicians	18	2016	2018	Completed	500,000
9	Evolutionary Decision Games in Complex Biological Interactions at the Edge of Catastrophe	Rabajante, Jomar F.	UP Los Baños	Reprogrammed Funds	Environmentalists, mathematicians	18	2016	2018	Completed	500,000
10	Investigation of Metallic Single-Layer Transition Metal Dichalcogenides (TMDs) Polytypes as Promising Anode Materials for Na-ion Battery: Density Functional Theory Study	Putungan, Darwin B.	UP Los Baños	Reprogrammed Funds	Semi-conductor industry	18	2016	2018	Completed	550,000
11	Computational and Statistical Approaches in Deciphering the Key Molecular Structure-Derived Properties of Medicinal Compounds	Billones, Liza T.	UP Manila	Reprogrammed Funds	Bioinformaticians	18	2016	2018	Ongoing	500,000
12	Application of the PRECEDE-PROCEED Model in the Development of Evidence-based Intervention for Drowning Prevention	Guevarra, Jonathan P.	UP Manila	Reprogrammed Funds	Swimmers, lifeguards	18	2016	2018	Ongoing	500,000
13	The Role of High Value Markets (Supermarkets, Specialty Stores and Exports) in Preserving the Environment	Digal, Larry N.	UP Manilain	Reprogrammed Funds	Environmentalists, economists	18	2016	2018	Completed	650,000
14	In Praise of Wilderness	Carreon, Charmaine L.	UPCebu	Reprogrammed Funds	Environment, local govt, biodiversity conservation programs, researchers	18	2017	2018	Ongoing	500,000
15	Pseudocapacitive Properties of Copper Oxide Nanowires Prepared by Electroless Deposition	Balela, Mary Donnabelle L.	UP Diliman	Reprogrammed Funds	Semiconductor industry	18	2017	2018	Ongoing	550,000
16	Effects of the Maternal Diet on the Quantity and Performance of Probiotics Isolated from Breast Milk of Some Filipino Women	Bayaga, Cecile Leah T.	UP Diliman	Reprogrammed Funds	Food scientists, nutritionists	18	2017	2018	Ongoing	550,000

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17	Regulated and Emerging Disinfection By-Products in the Local Drinking Water Supplies	Espino, Maria Pythias B.	UP Diliman	Reprogrammed Funds	Semiconductor industry	18	2017	2018	Ongoing	550,000
18	Reconstructing the Bifurcation History of the North Equatorial Current (NEC) Using Calcareous Nannoplankton and Nannofossil Distribution in the Surface Waters and Sediments of Lamon Bay (Eastern Philippines)	Fernando, Allan Gil S.	UP Diliman	Reprogrammed Funds	Semiconductor industry	18	2017	2018	Ongoing	550,000
19	Geochemical Behavior of Sc and Other REE in Weathered Nickel Laterite in the Philippines: Constraints from LA-ICPMS and EPMA Analyses of Laterite Profiles from Palawan and Nonoc Islands	Gabo-Ratio, Jillian Aira S.	UP Diliman	Reprogrammed Funds	Semiconductor industry	18	2017	2018	Ongoing	500,000
20	Can the Angular Goos-Hänchen shift be Used for Ultra Thin Film Thickness Determination?	Hermosa, Nathaniel II P.	UP Diliman	Reprogrammed Funds	Semiconductor industry	18	2017	2018	Completed	550,000
21	Music Composition for Symphonic Band: Enriching the Philippine Music Repertoire and Filling in the Country's Lack of Symphonic Band Pieces	Muyco, Maria Christine M.	UP Diliman	Reprogrammed Funds	Musicians, theater/stage performers, artists	18	2017	2018	Ongoing	550,000
22	Nonconvex TVq Model with L ¹ Fidelity for Image Restoration: Analysis and Algorithm	Neri, Marrick C.	UP Diliman	Reprogrammed Funds	Mathematicians	18	2017	2018	Ongoing	550,000
23	Characterization and Evaluation of Silanized Muscovite, Aluminosilicate, Nepheline Syenite, and Wollastonite as Mineral Filler for Thermosets, Thermoplastic Resins, and Natural/Synthetic Elastomers	Pajarito, Bryan B.	UP Diliman	Reprogrammed Funds	Semiconductor industry	18	2017	2018	Completed	550,000
24	Beyond the Sea - Exploring the First Seafarers of the Philippine Archipelago	Pawlik, Alfred F.	UP Diliman	Reprogrammed Funds	Archeologists	18	2017	2018	Completed	550,000
25	Differential Item Functioning and Logical Data Analyses of the 2015 University of the Philippines College Admission Test (UPCAT)	Pedrajita, Jose Q.	UP Diliman	Reprogrammed Funds	Students,	18	2017	2018	Ongoing	550,000
26	The Portable Culture of a Seafaring People: A Pre-Contact Figurative Art Object from the Catanauan Excavation Site	Rownd, Robert H.	UP Diliman	Reprogrammed Funds	Archeologists, indigenous people	18	2017	2018	Ongoing	500,000
27	A Cultural History of the Medical Promotion of Vitamins and Dietary Supplements in the Philippines	Tan, Michael L.	UP Diliman	Reprogrammed Funds	Food scientists, nutritionists, Environmentalists, researchers	18	2018	2019	Ongoing	650,000
28	A Natural History Guide on Philippine Shores	Vallejo, Benjamin Jr. M.	UP Diliman	Reprogrammed Funds	Geologists, biologists, students studying the marine environment, marine scientists	18	2017	2018	Ongoing	550,000
29	Modification of Polymeric Surfaces via Energetic Ion Bombardment	Vasquez, Magdaleno Jr. R.	UP Diliman	Reprogrammed Funds	Semiconductor Industry	18	2017	2018	Completed	500,000
30	Isolation and Evaluation of Nutritional Physico-Chemical and Functional Properties of Proteins from Microwave-Vacuum (MV) Stabilized Rice Bran	Villarino, Blanca J.	UP Diliman	Reprogrammed Funds	Rice farmers, industry, LGUs	18	2017	2018	Ongoing	550,000
31	Biodiesel Production in a Packed Column Using OH-Impregnated Calcium Oxide as Heterogeneous Catalyst by a Co-Solvent Method	Bambase, Manolito Jr. E.	UP Los Baños	Reprogrammed Funds	Semiconductor Industry	18	2017	2018	Ongoing	500,000

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32	Application of a nonpoint source (NPS) Pollution model (PESTFADE) to Assess and Manage Land and Water Resource Degradation of an Agricultural Watershed	Clemente, Roberto S.	UP Los Baños	Reprogrammed Funds	Biotechnologist, agriculturists, environmentalists	18	2017	2018	Ongoing	550,000
33	Distribution and Diet of the Common Palm Civet (Paradoxurus Philippinensis, Jourdan 1837) in the Mt. Makiling Forest Reserve	De Guia, Anna Pauline O.	UP Los Baños	Reprogrammed Funds	Biotechnologist, agriculturists, environmentalists	18	2017	2018	Ongoing	550,000
34	Analysis of Irrigation Structures Sensitivity and Perturbations in Support for the Development of Improved Operation and Management (O&M) of UPRRIS	Delos Reyes, Mona Liza F.	UP Los Baños	Reprogrammed Funds	LGUs	18	2017	2018	Ongoing	500,000
35	Spiders of Philippine Forest Ecosystems (with Special Focus of Mt. Guiting-guiting and Mt. Makiling)	Dupo, Aimee Lynn B.	UP Los Baños	Reprogrammed Funds	Environmentalists, researcher	18	2017	2018	Ongoing	600,000
36	Extraction and Characterization of Pectin from Various Fruit Processing Waste Products	Israel, Katherine Ann C.	UP Los Baños	Reprogrammed Funds	environmentalists	18	2017	2018	Ongoing	500,000
37	Serological and Molecular Detection of Newcastle Disease Virus in Cattle Egrets in Central Luzon	Lastica-Ternura, Emilia A.	UP Los Baños	Reprogrammed Funds	Dairy cattle raisers, dairy cattle breeders	18	2017	2018	Ongoing	500,000
38	A Field Survey of Estrogenic Effects in Adult Male Tilapia (Oreochromis Niloticus) from the Seven Lakes of San Pablo City, Laguna	Paraso, Michelle Grace V.	UP Los Baños	Reprogrammed Funds	Environmentalists, researchers, aquaculturists,	18	2017	2018	Ongoing	550,000
39	Morphometric and Molecular Analysis of Eggplant Fruit and Shoot Borer, Leucinodes orbonalis Guenee in the Philippines for Population Differentiation	Taylo, Lourdes D.	UP Los Baños	Reprogrammed Funds	Food scientists, nutritionists, Environmentalists, researchers	18	2017	2018	Completed	500,000
40	Isolation and Molecular Characterization of Salmonella spp. In Commercial Chicken Eggs from Public Markets in Metro Manila, Philippines	Umali, Dennis V.	UP Los Baños	Reprogrammed Funds	Food scientists, nutritionists, Environmentalists, researchers	18	2017	2018	Ongoing	500,000
41	An Illustrated Checklist of the Hermit Crabs of the Remote Northern Mariana Islands, Including new Species Records	Malay, Maria Cecilia D.	UP Visayas	Reprogrammed Funds	Environmentalists, researchers, aquaculturists, fish and shellfish farmers	18	2017	2018	Ongoing	550,000
42	Impact of Island Formation on Desorption Kinetics During Temperature-Programmed Desorption: A Kinetic Monte Carlo Study	Albao, Marvin A.	UP Los Baños	Reprogrammed Funds	Surface scientists, environmentalists, physicists, chemists, researchers, engineers	18	2017	2019	Ongoing	600,000
43	Quorum Sensing Inhibitors for Veterinary Applications	Bandoy, Dj Darwin R.	UP Los Baños	Reprogrammed Funds	Veterinarians	18	2017	2019	Ongoing	500,000
44	Development of β -cyclodextrin Microcapsules for Delivery of β -carotene as Rice Fortificant	Flores, Floreindo P.	UP Los Baños	Reprogrammed Funds	Rice farmers, industry, LGUs	18	2017	2019	Ongoing	550,000
45	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.	UP Los Baños	Reprogrammed Funds	Dairy cattle raisers, dairy cattle breeders	18	2017	2019	Ongoing	500,000
46	Monitoring the Implementation of RA 9003 (SWM Act) at the Barangay and Municipal Levels in Santa Cruz Watershed	Nguyen, Miriam R.	UP Los Baños	Reprogrammed Funds	Semiconductor industry	18	2017	2019	Ongoing	500,000
47	Optimization of Kalumpit (Terminalia Microcarpa) Antioxidant Extraction Protocol	Santiago, Dennis Marvin O.	UP Los Baños	Reprogrammed Funds	Semiconductor industry	18	2017	2019	Ongoing	550,000

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48	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.	UP Los Baños	Reprogrammed Funds	Farmers, environmentalist	18	2017	2019	Ongoing	550,000
49	Babalang ng Balang Araw at Iba Pang Abiso	Acuña, Arbeen R.	UP Diliman	Reprogrammed Funds	Literature writers	18	2017	2019	Ongoing	450,000
50	SAYSAY: The Philippine Essay in the 21st Century	Cruz, Conchitina	UP Diliman	Reprogrammed Funds	Literature writers	18	2017	2019	Ongoing	500,000
51	Musika ng Pananakop: Panahon ng Hapon sa Filipinas, 1942-1945	Navarro, Raul C.	UP Diliman	Reprogrammed Funds	Musicians, artists	18	2017	2019	Ongoing	600,000
52	Investigating Online Incivility and its Consequence on Online Discourse Engagement	San Pascual, Maria Rosel S.	UP Diliman	Reprogrammed Funds	Semiconductor industry	18	2017	2019	Ongoing	500,000
53	Computer-Aided Discovery of Repurposed Drugs for Superbugs	Billones, Junie B.	UP Manila	Reprogrammed Funds	Semiconductor industry	18	2017	2019	Ongoing	600,000
54	A Practical Guide to International Ballroom Styles and Filipino Social Dances	Dimaricut, Alberto L.	UP Diliman	Reprogrammed Funds	Dance instructors, dancers, choreographers, researchers	18	2018	2019	Ongoing	500,000
55	The Case of the Filipino-Korean Spouses Association (FKSA)	Encinas-Franco, Jean S.	UP Diliman	Reprogrammed Funds	Diplomats, foreign policy makers, economists, social scientists	18	2018	2019	Ongoing	500,000
56	On Near-Perfect and Deficient-Perfect Numbers	Celeste, Richell O.	UP Diliman	Reprogrammed Funds	Mathematicians	18	2018	2019	Ongoing	500,000
57	Repetitions and Alterations: Dramaturgy of Collaborative Adaptations in the Philippines	Tiatco, Sir Anril P.	UP Diliman	Reprogrammed Funds	Literature	18	2018	2019	Ongoing	550,000
58	Communication Research Textbook Volume 3: Analyzing, Interpreting, and Reporting Communication and Media Research	Paragas, Fernando Dlc.	UP Diliman	Reprogrammed Funds	Researchers	18	2018	2019	Ongoing	550,000
59	K-12 Career Track Assessment Using Neural Networks (K12-CANN)	Nazareno, Allen L.	UP Los Baños	Reprogrammed Funds	Students	18	2018	2019	Ongoing	500,000
60	Screening for Phytochemicals and Antioxidant Compounds in Leaves, Fruit and Peel of Selected Philippine Mango Varieties	Ocampo, Eureka Teresa M.	UP Los Baños	Reprogrammed Funds	Farmers, environmentalist	18	2018	2019	Ongoing	500,000
61	Mix-and-Match: Development of a Ruthenium-Based Catalytic Hydrogenation of Esters to Alcohols Using Readily Accessible Ligands	Aguila, Mae Joanne B.	UP Los Baños	Reprogrammed Funds	semiconductor industry	18	2018	2019	Ongoing	550,000
62	Biodiversity assessment of Philippine karst landscapes: taxonomic description of new species of cave and karst aquatic animals in Mindanao	Husana, Daniel Edison M.	UP Los Baños	Reprogrammed Funds	Archeologists, studying the marine environment, marine scientists, Indigenous people	18	2018	2019	Ongoing	550,000
63	CO2 adsorption and dissociation on Cu cluster supported on Cu(111): A density functional theory investigation	Padama, Allan Abraham B.	UP Los Baños	Reprogrammed Funds	Surface scientists, environmentalists, physicists, chemists, researchers, engineers	18	2018	2019	Ongoing	550,000
64	Effects of Davao-Produced Compsts on Soil and Selected Crops (Pechay, Radish, Tomato, and Banana)	Millado, Cyrose Sozie S.	UP Manilain	Reprogrammed Funds	Farmers, environmentalist	18	2018	2019	Ongoing	500,000
65	Fabrication of Cellulose-based Anion Exchange Membranes for Fuel Cell and Electrolyser Application	Espiritu, Richard D.V.	UP Diliman	Reprogrammed Funds	Semicondutor Industry	18	2018	2019	Ongoing	500,000
66	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.	UP Diliman	Reprogrammed Funds	Semiconductor industry	18	2018	2019	Ongoing	550,000

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67	From Mud to Art: Modification of Locally-Sourced Clay for 3D Printing Ceramic Sculptures	Manapat, Jill Z.	UP Diliman	Reprogrammed Funds	Archeologists, historians, indigenous people	18	2018	2019	Ongoing	500,000
68	Unearthing Human Thoughts About Plants and Animals: Clay as a Means to Talk About Issues that Affect Our Existence	Sta. Ana, Mary Catherine P.	UP Diliman	Reprogrammed Funds	Indigenous peoples, ethnobotanists	18	2018	2019	Ongoing	500,000
69	A Transact Study of the Ants of Mt. Isarog Natural Park, Camarines Sur	General, David Emmanuel M.	UP Los Baños	Reprogrammed Funds	Biotechnologist, agriculturists, environmentalists	18	2018	2020	Ongoing	450,000
70	In vitro and in vivo evaluation of the biological activities of Tabernaemontana pandacaqui Lam. ethanol extract.	Dela Cruz, Joseph F.	UP Los Baños	Reprogrammed Funds	Biologists	18	2018	2020	Ongoing	500,000
71	Computational and theoretical studies of small molecule binding on nanoclusters and surfaces	Paraan, Francis Norman C.	UP Diliman	Reprogrammed Funds	Semiconductor industry	18	2018	2020	Ongoing	500,000
72	Similarity Isometries of Lattices and Related Structures	Loquias, Manuel Joseph C.	UP Diliman	Reprogrammed Funds	Researchers, mathematician	18	2018	2018	Ongoing	550,000
73	Dangerous hitchhikers: Investigating harmful phytoplankton species associated with floating plastic debris in the marine environment	Onda, Deo Florence L.	UP Diliman	Reprogrammed Funds	Geologists, biologists, students studying the marine environment, marine scientists	18	2018	2020	Ongoing	500,000
74	World Premiere of a new Musical entitled, Boses ni YOLANDA	Ferrer, Alegria O.	UP Diliman	Reprogrammed Funds	Muscicians, theater/stage performers, artists	18	2018	2020	Ongoing	550,000
75	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.	UP Diliman	Reprogrammed Funds	Botanists	18	2018	2020	Ongoing	500,000
76	LUAD ILOCOS Ceramic Art Project - Development of Philippine High-Firing Clays from the Ilocos Province to Promote Philippine Ceramic Arts	Gudiño, Ma. Rita B.	UP Diliman	Reprogrammed Funds	Archeologists, historians, indigenous people	18	2018	2020	Ongoing	500,000
77	Deficiency Theorems for Classes of Power Law Kinetic System	Talabis, Dylan Antonio SJ.	UP Los Baños	Reprogrammed Funds	Surface scientists, environmentalists, physicists, chemists, researchers, engineers	18	2018	2020	Ongoing	500,000
78	Queues with Choice: A Symmetry Perspective	Collera, Juancho A.	UP Baguio	Reprogrammed Funds	Researchers, mathematician	18	2018	2020	Ongoing	550,000
79	Biosynthesis of Zinc Oxide Nanoparticles Using Cacao Pod Husk and Investigation of their Anti microbial Properties	Fundador, Noreen Grace V.	UP Manilain	Reprogrammed Funds	Biotechnologist, agriculturists, food technologists, environmentalists	18	2018	2020	Ongoing	550,000
80	Application Potential of Deep Eutectic Solvents in the Synthesis and Purification of Lumbang (Aleurites moluccana) Derived Biodiesel and Alkyd Resins	Nelson, Villarante	UP Manila	Reprogrammed Funds	Semiconductor industry, materials science researchers	18	2018	2020	Ongoing	600,000
81	Effect of Doping and annealing temperatures on the optical, structural, and magnetic properties of ZnO nanostructures	Sarmago, Roland V.	UP Diliman	Reprogrammed Funds	Semiconductor industry, materials science researchers	18	2018	2020	Ongoing	650,000
82	Degradation kinetics and solvent selection for polyethylene recovery from spent thermoplastic laminates	Tumolva, Terence P.	UP Diliman	Reprogrammed Funds	Surface scientists, environmentalists, physicists, chemists, researchers, engineers	18	2018	2020	Ongoing	550,000
83	Topochemical Transformations of Philippine Clays: Organic-Free Synthesis of Zeolites from Philippine bentonite	Conato, Marlon T.	UP Diliman	Reprogrammed Funds	Semiconductor industry, materials science researchers	18	2018	2020	Ongoing	550,000

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84	Characterization of tetillid sponge-associated diversity on reefs influenced by environmental stress	Conaco, Ma. Cecilia G.	UP Diliman	Reprogrammed Funds	Geologists, biologists, students studying the marine environment, marine scientists	18	2018	2020	Ongoing	500,000