

**INDUSTRIAL TECHNOLOGY DEVELOPMENT INSTITUTE
LIST OF 2019 COMPLETED PROJECTS**

Project Code	Program or Project	Project Duration		Project Leader	Funding Agency
		Start	End		
CHEMICALS AND ENERGY DIVISION					
RDR-CED-2019-01	Development of Prototype 100L Low Cost Semi-Automated Reactor for the Production of Liquid Detergent Soap	01/01/2019	12/31/2019	OC Evangelista	GAA
RDR-CED-2019-03	Compressed Biogas Technology (CBT) for Household and Commercial Applications	01/01/2019	12/31/2019	AVO Bawagan	GAA
RDR-CED-2019-04	Isolation, Purification and Characterization of Curcumin from Philippine Turmeric (Curcuma Longa L.)	03/01/2019	12/31/2019	EB Manongsong	GAA
RDR-CED-2019-02	Extraction, Characterization of Rubber Seed Oil and Its Synthesis to Biolubricant	01/01/2019	12/01/2019	CG Bilbao	GAA
RDRD-CED-2018-01	ITDI Livelihood Program for Reconstruction and Rehabilitation of Marawi	08/01/2018	12/30/2019	EA Ongo	GAA
LFP-CED-2019-01	Modular Innovation Center for Oils, Blends and Sauces (Y3)	01/01/2017	12/31/2019	A. Briones	GAA
RDA-CED-2017-01B	Project 2: Development of Gourmet Salt Products and Micro-Sized Salt in Laboratory Scales	07/01/2017	03/31/2019	A. Briones	PCIEERD
RDA-CED-2018-01	Characterization/Performance Testing of the Biodiesel/Diesel Blends from Combined Feedstock of Various Vegetable and Used Cooking Oils	05/01/2018	12/31/2019	A. Briones	DOE-NBB and ITDI GAA
RDA-CED-2018-02	Capability Building on Energy Efficiency and Conservation (EE&C) for State Universities and Colleges of Six (6) Regions as Demonstration Sites	04/01/2018	12/31/2019	A. Bawagan	PCIEERD-GIA
ENVIRONMENT AND BIOTECHNOLOGY DIVISION					
RDR-EBD-2019-01	Development of Microbial Inocula for Industrial Applications	01/01/2019	12/01/2019	U.G. Bigol	GAA
RDR-EBD-2019-05	Production of freeze-dried lacasse for biotechnological application 1. Xylanase	01/01/2019	12/01/2019	U.G. Bigol	GAA
RDR-EBD-2019-06	Molecular Characterization of Lactic Acid Bacteria (LAB) from Fermented Foods in the Philippines	01/01/2019	12/01/2019	E. Panerio	GAA
RDR-EBD-2019-07	Genotypic Screening of industrially-Important Enzymes Produced by Bacillus sp. Isolated from Soil	01/01/2019	12/01/2019	E. Panerio	GAA
RDR-EBD-2019-02	Nutrient Removal of Anaerobically-treated Piggery Wastewater	01/01/2019	12/01/2019	D. Herrera	GAA
RDR-EBD-2019-03	Development of Chemical Oxidant Delivery System for Remediation of Petroleum Contaminated Soil	01/01/2019	12/01/2019	Judith C. Tejano	GAA
RDR-EBD-2019-04	Development of a Bench-Scale Biological Wastewater Treatment Design Facility	04/01/2019	12/01/2019	RL Retamar	GAA
RDA-EBD-2017-03	Aerobic Treatment of Anaerobically Pre-digested Swine Wastewater using Activated Sludge and Subsequent Polishing using Biological Filters, Tricking Filter System	03/16/2017	03/15/2019	R. Retamar	DOST4A
RDA-EBD-2017-02	Assessment of Metal Content of Food and Water Resources in Volcanic Impacted Areas PROJECT 3: Household and Community Based Filters for Metal in Waters	01/01/2017	06/30/2019	RL Esguerra	PCIEERD

Project Code	Program or Project	Project Duration		Project Leader	Funding Agency
		Start	End		
RDA-EBD-2017-06	Assessment of Metal Content of Food and Water Resources in Volcanic Impacted Areas PROJECT 2: Metal Content of Water Supplies in Volcanic Impacted Area and its Impact to Vegetation	07/01/2017	06/30/2019	EA Ongo	PCIEERD
FOOD PROCESSING DIVISION					
RDR-FPD-2019-01	Food Safety Assessment of Hazards from Artisanal Food Processing Equipment used in Taho, Sorbetes, and Peanut Butter Processing in Taguig City, Metro Manila (former Food Safety Assessment of Hazards from Artisanal Food Processing Equipment used in Taho, Sorbetes, and Peanut Butter Processing in Parañaque City and Taguig City, Metro Manila)	01/01/2019	12/01/2019	L. Montevirgen	GAA
RDR-FPD-2019-03	Application of Osmotic Dehydration as a Pre-Treatment for Vacuum Frying Selected Fruits	02/01/2019	07/31/2019	R. Belandres	GAA
RDR-FPD-2019-05	Development of a low-mineral sweet sorghum syrup as an alternative sweetener	01/01/2019	12/01/2019	ME Falco	GAA
RDR-FPD-2019-06	Clarification and Concentration of Coconut Water and Philippine Calamansi Extracts using Microfiltration and Reverse Osmosis	01/01/2019	12/01/2019	ME Falco	GAA
RDR-FPD-2018-01	Comparison of Quality of Dried Products Using Conventional Dryer and Heat-pump Dryer	01/02/2018	03/31/2019	J. Ocasla	GAA
RDA-FPD-2018-02	Development of Corn-Based Products for Candaba and Bacoar, Pampanga	08/01/2018	7/30/2019	MDL.Villaseñor	Reg 3
RDA-FPD-2018-03	Establishment of Halal Assurance System for Processing Selected Banana Products (Banana Chips, Banana Catsup, and Frozen Banana)	08/01/2018	7/30/2019	MEM. Falco	PCIEERD
RDA-FPD-2018-04	Establishment of Halal Assurance System for Bakery Products(Pandesal and Loaf Bread)	08/01/2018	07/01/2019	LS. Montevirgen	PCIEERD
RDA-FPD-2018-05	Technical Guidelines Development for Minimally Processes Halal Chicken and Chicken By-Products Edible Giblets)	08/01/2018	12/31/2019	ME. Evaristo	PCIEERD
RDA-FPD-2018-06	Development of Emulsified Meat Products (Sausage, Nuggets and Burgers) for Halal Market	08/01/2018	07/01/2019	ME. Evaristo	PCIEERD
MATERIAL SCIENCE DIVISION					
RDR-MSD-2019-01	Development of Soft Ballistic Component of Bullet Proof Vest from Hybrid Composite local materials	01/01/2019	12/31/2019	M. Paglicawan	GAA
RDR-MSD-2019-05	Functional Coating: Production and Performance Testing of Nano Silica-based Hydrophobic Coating	01/01/2019	12/31/2019	J. Celorico	GAA
RDR-MSD-2019-06	Development of Ultrafiltration/Nanofiltration Hollow Fiber Membrane for Drinking Water Application (Phase 2)	01/01/2019	12/31/2019	M. Margarito	GAA
RDR-MSD-2019-07	Innovative Ceramic Materials for Ballistic Protection	01/01/2019	12/31/2019	J. Celorico	GAA
RDR-MSD-2019-02	Fabrication of Prototype Utility Tent as Temporary Shelter for Disaster and Natural Calamity Victims	01/01/2019	12/31/2019	P. de Yro	GAA
RDR-MSD-2019-03	Fabrication of Prototype and Field Testing Performance of Floating Baby Capsule	01/01/2019	12/31/2019	C. Emolaga	GAA
RDR-MSD-2019-04	Southeast Asian Atmospheric Corrosion Exposure Study of Electronic Equipment and Components under Marine Environment in the Philippines (SEA ACES) Year 5	01/01/2019	12/31/2019	A. Monsada	GAA
RDR-MSD-2019-08	Asia Nano Forum 2019	01/01/2019	12/31/2019	P. De Yro	GAA

Project Code	Program or Project	Project Duration		Project Leader	Funding Agency
		Start	End		
RDRA-MSD-2018-01	Deployment of Innovative Rainwater Collection Systems in Marawi	05/01/2018	12/31/2019	B. Basilia	GAA
RDA-MSD-2017-05	Assessment of Metal Content of Food and Water Resources in Volcanic Impacted Areas: Project 3-Study 1: Household Based Filters for Metals in Water	07/01/2017	06/30/2019	B. Basilia (Program Lead)	PCIEERD
RDA-MSD-2018-01	Fabrication and Performance Evaluation of Abaca Fiber Reinforced Composites for Boat Applications	04/01/2018	04/02/2019	M. Paglicawan	TECHNICOM
PACKAGING TECHNOLOGY DIVISION					
RDR-PTD-2017-14	Effect of Shock and Vibration on the Quality and Shelf Life of Mangosteen	07/01/2018	10/31/2019	ES. Orendain	GAA
RDR-PTD-2019-05	Branding as a Tool in Promoting Packaging Technologies Developed by PTD	04/16/2019	12/31/2019	KJR. Dizon	GAA
RDA-PTD-2016-04	Upgrading and Enhancing the Capacity of the Packaging Technology Division in Packaging Research and Innovation	12/01/2016	11/30/2019	D. Tanafranca/ G. Noceja	DOST-GIA
STANDARDS AND TESTING DIVISION					
RDA-2017-STD-03	Development of Natural Colorants for Cosmetics (Proj. 2: Natural Dyes and Colorants R&D Program)	03/16/2017	12/31/2019	R. Torres	PCIEERD
RDA-2018-STD-01	OneLab Capability Assurance System for Metal Content Assessment in Agricultural Produce, Water and Environmental Samples	05/01/2017	9/31/2019	R. Fuertes	PCIEERD
TECHNOLOGICAL AND SERVICES DIVISION					
RDA-2018-TSD-01	Pilot Implementation of ITDIs Pre-Commercialization Tools/Strategies for Effective Transfer and Commercialization of Generated Technologies and Intellectual Properties	07/04/2017	04/05/2019	N. Florendo	PCIEERD