

**INDUSTRIAL TECHNOLOGY DEVELOPMENT INSTITUTE**  
**LIST OF COMPLETED PROJECTS FOR 2018**

Division	Project Code	Project Title	Date Start	Date End	Status	Project Leader
<b>GAA PROJECTS</b>						
CED	RDR-CED-2018-01	Scale-up to Pilot production of Resistant Cassava Starch	1-Jan-18	31-Dec-18	Completed	C.A. Bulan
CED	RDR-CED-2018-02	Integration of Convex Glass on Solar Panel for the Improvement of Harnessing Solar Energy	1-Jan-18	31-Dec-18	Completed	F. del Pozo
CED	RDR-CED-2017-06	Development of Supercapacitor with Organic Electrolytes using Graphene	1-Feb-17	31-Mar-18	Completed	J. Herrera
CED	RDR-CED-2017-02	Nanoencapsulation of herbal drugs in hydrogels and matured coconut water as health supplement for musculoskeletal system: Development and Scale-up Production	1-Feb-17	30-Dec-18	Completed	Z. Walde
EBD	RDR-EBD-2018-01	Development of Pre-processing Technologies to Facilitate Waste-to-Energy	1-Feb-18	30-Dec-18	Completed	D. Herrera
		In-Situ Remediation of Petroleum Contaminated Soil				
EBD	RDR-EBD-2018-02A	Study 1: Sequestration of Nutrient Species on Agricultural Runoff using Chitosan	1-Feb-18	30-Dec-18	Completed	B.J. Gutierrez
EBD	RDR-EBD-2018-02B	Study 2: Remediation of Petroleum Contaminated Soil by Oxidation	1-Feb-18	30-Dec-18	Completed	M.C. Latosa

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		Isolation, Purification and Identification (Phenotyping and Genotyping) of Microbial Succession in Philippine Traditional Fermented Foods				
EBD	RDR-EBD-2017-10A	Study 1: Phenotypic and biochemical characterization of microbial isolates from fermented products	1-Mar-17	30-Dec-18	Completed	U. Bigol
EBD	RDR-EBD-2017-10B	Study 2: Molecular characterization of microbial isolates from fermented products	1-Mar-17	30-Dec-18	Completed	E. Panerio
EBD	RDR-EBD-2017-10C	Study 3: Data-mining of previous biotechnology R&D outputs related to food processing	1-Mar-17	28-Jun-18	Completed	F. Coronado
FPD	RDR-FPD-2018-02	Effect of Drum Drying Parameters on the Quality Characteristics of Selected Local Food Materials (Fruit, Vegetables, Rootcrops) as Intermediate Ingredient and Healthy Snack	1-Feb-18	31-Dec-18	Completed	M. Falco
FPD	RDR-FPD-2018-03	Evaluation of Histamine Level and Commercial Sterility of Bottled sardines in Oil	1-Feb-18	31-Dec-18	Completed	L. Montevirgen
FPD	RDR-FPD-2017-16	Utilization of Rice milling by-products for the production of oil, syrup (as food and industrial sweetener) and high-protein powder	1-Mar-17	31-Mar-18	Completed	N. Ambagan

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FPD	RDR-FPD-2017-11	Deployment and Impact Assessment of Developed Disaster Relief Projects (GAD project)	1-Jan-17	31-Dec-18	Completed	M Villasenor
MSD	RDR-MSD-2018-01	Development of Innovative Bullet Proof Vest and Bullet Proof Panels for Armored Vehicles	1-Feb-18	31-Dec-18	Completed	M. Paglicawan
		Development of Materials for Innovative Utility Tent & Floating Baby Capsule as Temporary Shelter for Disaster & Natural Calamity Victims				
MSD	RDR-MSD-2018-02A	Study 1: Innovative Utility Tent	1-Feb-18	31-Dec-18	Completed	P. de Yro
MSD	RDR-MSD-2018-02B	Study 2: Floating Baby Capsule	1-Feb-18	31-Dec-18	Completed	C. Emolaga
MSD	RDR-MSD-2018-03	Southeast Asian Atmospheric Corrosion Exposure Studies for Electronic Components	1-Feb-18	31-Dec-18	Completed	A. Monsada
MSD	RDR-MSD-2018-04	Functional Nano Coating (FuN Coat) for Applications in Energy and Related Industries	1-Feb-18	31-Dec-18	Completed	J. Celorico
MSD	RDR-MSD-2018-05	Development of Ultrafiltration/Nanofiltration HF membrane for Drinking Water Application	1-Feb-18	31-Dec-18	Completed	M. Margarito
PTD	RDR-PTD-2018-01	Effect of Storage Temperature on the Compressive Strength and Microstructural Properties of Commercially Sold Starch-based Biodegradable Cup	1-Jan-18	1-Sep-18	Completed	RAGM. Garalde

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PTD	RDR-PTD-2018-03	Development of Collapsible Toilet Bowl for Emergency/Disaster Operations (Preliminary Study)	1-Feb-18	31-Jan-19	Completed	ET. Nolasco
PTD	RDR-PTD-2018-05	Development of Nano-coating Materials as Postharvest Treatment for Selected Tropical Fruits (Phase 1)	1-Apr-18	31-Dec-18	Completed	RAGM. Garalde/A. Basbasan
PTD	RDR-PTD-2017-12	Quality and Safety Monitoring of Chilled and Frozen Foods Using Intelligent Packaging with Time Temperature Indicators: A Preliminary Study	1-Aug-17	31-Aug-18	Completed	D. Tanafranca/ D. Ortiz
PTD	RDR-PTD-2017-14	Effect of Shock and Vibration on the Quality and Shelf Life of Mangosteen	1-Jul-18	31-Dec-18	Completed	ES. Orendain

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<b>GIA PROJECTS</b>						
EBD	RDA-EBD-2017-05	Assessment and Strengthening of the Chemical Safety and Hazardous Waste Management Program of Ten Selected Academic Institutions in the National Capital Region (NCR)	01-Dec-17	30-Jul-18	Completed	E. Ongo
MSD	RDA-MSD-2017-06	Green Synthesis and Functionalization of Carbon Quantum Dots from Biowaste for Biomedical and Industrial Applications	01-Sep-17	14-Dec-18	Completed	P. de Yro
MSD	RDA-MSD-2017-03	Pilot-scale Testing and Technology Validation of Nanozeolite Processes	15-Mar-17	14-Mar-18	Completed	J. Celorico

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