

## NUMBER OF R&D PROJECTS IMPLEMENTED 2018

PROJCODE	PROJECT TITLE	PROJECT STUDY	STATUS	DATE START	DATE END	PROJECT LEADER
<b>CED - 7 Projects</b>						
LFP-CED-2018-01	Modular Innovation Center for Oils, Blends and Sauces		Ongoing	01-Jan-17	31-Dec-18	A. Briones
RDA-CED-2017-01A	I-SALT: Improving Productivity and Efficiency of Local Salt Producers Towards a Self-Reliant Philippines in 2020	Project 1 : Design, Prototyping of Salt Processing Equipment (Washer, Dryer, Iodizer, Crystallizing Pan, Furnace, Concentrator (ion-exchange membrane)	On-going	01-Jul-17	30-Jun-19	A. Briones
RDA-CED-2017-01B	I-SALT: Improving Productivity and Efficiency of Local Salt Producers Towards a Self-Reliant Philippines in 2020	Project 2: Development of Gourmet Salt Products and Micro-Sized Salt in Laboratory Scales	On-going	01-Jul-17	30-Jun-18	A. Briones
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		Ongoing	01-Feb-17	30-Dec-18	Z. Walde
RDR-CED-2017-06	Development of Supercapacitor with Organic Electrolytes using Graphene		Completed	01-Feb-17	31-Mar-18	J. Herrera
RDR-CED-2018-01	Scale-up to Pilot production of Resistant Cassava Starch		Ongoing	01-Feb-18	31-Dec-18	C.A. Bulan
RDR-CED-2018-02	Integration of Convex Glass on Solar Panel for the Improvement of Harnessing Solar Energy		Ongoing	02-Jan-18	31-Dec-18	F. del Pozo
<b>EBD - 13 Projects</b>						
RDR-EBD-2017-10	Development of Emergency Disinfection System of Drinking Water		Ongoing	01-Mar-17	30-Dec-18	R. Retamar
RDR-EBD-2017-10A	Isolation, Purification and Identification (Phenotyping and Genotyping) of Microbial Succession of Philippine Traditional Fermented Foods	Study 1: Phenotypic and biochemical characterization of microbial isolated from fermented products	Ongoing	01-Mar-17	30-Dec-18	U. Bigol
RDR-EBD-2017-10B	Isolation, Purification and Identification (Phenotyping and Genotyping) of Microbial Succession of Philippine Traditional Fermented Foods	Study 2: Molecular characterization of microbial isolated from fermented products	Ongoing	01-Mar-17	30-Dec-18	E. Panerio
RDR-EBD-2017-10C	Isolation, Purification and Identification (Phenotyping and Genotyping) of Microbial Succession of Philippine Traditional Fermented Foods	Study 3: Data-mining of previous Biotechnology R&D Outputs related to Local Food Processing	Ongoing	01-Mar-17	28-Jun-18	F. Coronado
RDR-EBD-2018-01	Development of Pre-processing Technologies to Facilitate Waste-to-Energy		Ongoing	01-Feb-18	30-Dec-18	D. Herrera
RDR-EBD-2018-02A	In-Situ Remediation of Petroleum Contaminated Soil	Study 1: Sequestration of Nutrient Species on Agricultural Runoff using Chitosan	Ongoing	01-Feb-18	30-Dec-18	B.J. Gutierrez

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RDR-EBD-2018-02B	In-Situ Remediation of Petroleum Contaminated Soil	Study 2: Remediation of Petroleum Contaminated Soil by Oxidation	Ongoing	01-Feb-18	30-Dec-18	M.C. Latosa
RDA-EBD-2017-01	Application of Anaerobic Digestion for Household Biodegradable Waste in Kawit, Cavite (Alveo-PBE project)		Ongoing	01-May-17	30-May-18	D. Herrera
RDA-EBD-2017-02	Assessment of Metal Content of Water Supplies in Volcanic Impacted Area & Its Impact to Vegetation	Project 3 : Household and Community-based Filters for Metals in Waters	Ongoing	01-Jul-17	30-Jun-18	R. Esguerra
RDA-EBD-2017-03	Aerobic Treatment of Anaerobically Pre-digested Swine Wastewater using Activated Sludge and Subsequent Polishing using Biological Filters, Tricking Filter System		Ongoing	16-Mar-17	15-Mar-19	R. Retamar
RDA-EBD-2017-04	Pilot Scale Production of Spray-Dried Dextran and High Fructose Syrup using Whole Cell (Leuconostoc mesenteroids isolates) ITDI Fermentation Technology		Ongoing	06-Nov-17	05-May-19	U. Bigol
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)		Ongoing	01-Dec-17	30-Jul-18	E. Ongo
RDA-EBD-2017-06	Assessment of Metal Content of Water Supplies in Volcanic Impacted Area & Its Impact to Vegetation	Project 2: Metal Content of Water Supplies in Volcanic Impacted Area and its Impact to Vegetations	Ongoing	01-Jul-17	30-Jun-18	E. Ongo
<b>FPD - 6 Projects</b>						
RDR-FPD-2017-11	Deployment and Impact Assessment of Developed Disaster Relief Projects (GAD project)		Ongoing	01-Mar-17	31-Dec-18	M Villasenor
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		Completed	01-Mar-17	31-Mar-18	N. Ambagan
RDR-FPD-2018-01	Comparison of Quality of Dried Products Using Conventional Dryer and Heat-pump Dryer		Ongoing	01-Feb-18	31-Dec-18	J.C. Ocasla
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		Ongoing	01-Feb-18	31-Dec-18	M. Falco

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PROJCODE	PROJECT TITLE	PROJECT STUDY	STATUS	DATE START	DATE END	PROJECT LEADER
RDR-FPD-2018-03	Evaluation of Histamine Level and Commercial Sterility of Bottled sardines in Oil		Ongoing	01-Feb-18	31-Dec-18	L. Montevirgen
RDA-FPD-2017-001	Natural Food Colors from Local Source as Food Additive		Ongoing	15-Mar-17	14-Mar-19	M. Villasenor
<b>MSD - 16 Projects</b>						
RDA-MSD-2017-03	Pilot-scale Testing and Technology Validation of Nanozeolite Processes		Completed	15-Mar-17	14-Mar-18	J. Celorico
RDA-MSD-2017-04	Development, Characterization and Performance Evaluation of Polymeric Separation Membrane for Industrial Applications using Local Materials (Phase 1)		Completed	01-Jan-17	31-Mar-18	B. Basilia
RDA-MSD-2017-05	Assessment of Metal Content of Water Supplies in Volcanic Impacted Area & Its Impact to Vegetation	Study 1: Household Based Filters for Metals in Water	Ongoing	01-Jul-17	30-Jun-18	B. Basilia (Program Lead)
RDA-MSD-2017-06	Green Synthesis and Functionalization of Carbon Quantum Dots from Biowaste for Biomedical and Industrial Applications		Ongoing	01-Sep-17	14-Dec-18	P. de Yro
RDA-MSD-2017-07	Program: Intelligent Data Analysis System (IDAS) for Drug Trafficking Investigation in the Philippines Project 1: Application of Multivariate Analysis on Methamphetamine HCl Chemical Fingerprints and Kinetic Stability Modelling (Collaborative Project with PDEA/ASTI)		Ongoing	16-Dec-17	15-Dec-18	A. Monsada
RDA-MSD-2017-08	ADMATEL Expansion and Business Continuity		Ongoing	10-Nov-17	09-Nov-20	A. Monsada
RDA-MSD-2018-01	Fabrication and Performance Evaluation of Abaca Fiber Reinforced Composites for Boat Applications		Ongoing	03-Apr-18	28-Feb-19	M. Paglicawan
RDR-MSD-2018-01	Development of Innovative Bullet Proof Vest and Bullet Proof Panels for Armored Vehicles		Ongoing	01-Feb-18	31-Dec-18	M. Paglicawan
RDR-MSD-2018-02A	Development of Materials for Innovative Utility Tent & Floating Baby Capsule as Temporary Shelter for Disaster & Natural Calamity Victims	Study 1: Innovative Utility Tent	Ongoing	01-Feb-18	31-Dec-18	P. de Yro
RDR-MSD-2018-02B	Development of Materials for Innovative Utility Tent & Floating Baby Capsule as Temporary Shelter for Disaster & Natural Calamity Victims	Study 2: Floating Baby Capsule	Ongoing	01-Feb-18	31-Dec-18	C. Emolaga
RDR-MSD-2018-03	Southeast Asian Atmospheric Corrosion Exposure Studies for Electronic Components		Ongoing	01-Feb-18	31-Dec-18	A. Monsada
RDR-MSD-2018-04	Functional Nano Coating (FuN Coat) for Applications in Energy and Related Industries		Ongoing	01-Feb-18	31-Dec-18	J. Celorico
RDR-MSD-2018-05	Development of Ultrafiltration/Nanofiltration HF membrane for Drinking Water Application		Ongoing	01-Feb-18	31-Dec-18	M. Margarito

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PROJCODE	PROJECT TITLE	PROJECT STUDY	STATUS	DATE START	DATE END	PROJECT LEADER
RDR-MSD-2018-06	Development of Artificial Muscles from Natural Rubber for Intelligent Robots Application: A Preliminary Study		Ongoing	01-Feb-18	31-Dec-18	M. Paglicawan
MOA-MSD-2017-01	Design and Fabrication of an Airframe for a Medium-range, short take-off and Landing UAV (Collaborative Project with PhilFIDA/FEATI)		Ongoing	02-May-17	01-May-18	R. Sese/B. Basilia
MOA-MSD-2018-01	Prototype Development of Severe Weather Amphibious Navigator using Local Abaca Composites (Collaborative project with Wesleyan University of the Philippines, Holy Angel University, Don Honorio Ventura State University)		Ongoing	01-Feb-18	31-Jul-19	R. De Lara/B. Basilia
<b>NMD - 4 Projects</b>						
RDRD-2017-NMD-1	Enhancement of the Competence and Capabilities of the National Metrology Laboratory (NML) of the Philippines	Project 1: Chemical Metrology for Organic Contaminants in Food and Water	Ongoing	01-Jan-17	31-Dec-21	B. Ebarvia
RDRD-2017-NMD-2	Enhancement of the Competence and Capabilities of the National Metrology Laboratory (NML) of the Philippines	Project 2: Chemical Metrology for Inorganic Toxic Elements in Food and Water	Ongoing	01-Jan-17	31-Dec-21	B. Ebarvia
RDRD-2017-NMD-3	Enhancement of the Competence and Capabilities of the National Metrology Laboratory (NML) of the Philippines	Project 3: Biological Metrology for Microorganisms in Food	Ongoing	01-Jan-17	31-Dec-21	M. Aguinaldo
RDRD-2017-NMD-4	Enhancement of the Competence and Capabilities of the National Metrology Laboratory (NML) of the Philippines	Project 4: Strengthening the Physical Metrology Capabilities of the National Metrology Laboratory (NML)	Ongoing	01-Jan-17	31-Dec-21	K. Suycano
<b>PTD - 8 Projects</b>						
RDR-PTD-2017-12	Quality and Safety Monitoring of Chilled and Frozen Foods Using Intelligent Packaging with Time Temperature Indicators: A Preliminary Study		Ongoing	01-Aug-17	31-Dec-18	D. Tanafranca/ D. Ortiz
RDR-PTD-2017-14	Effect of Shock and Vibration on the Quality and Shelf Life of Mangosteen		New	01-Jul-18	01-Dec-18	ES. Orendain
RDR-PTD-2018-01	Effect of Storage Temperature on the Compressive Strength and Microstructural Properties of Commercially Sold Starch-based Biodegradable Cup		Ongoing	01-Jan-18	01-Sep-18	RAGM. Garalde
RDR-PTD-2018-02	Brand Development of Unique Philippine Product		Ongoing	01-Apr-18	01-Oct-18	KJR. Dizon
RDR-PTD-2018-03	Development of Collapsible Toilet Bowl for Emergency/Disaster Operations (Preliminary Study)		Ongoing	01-Feb-18	01-Dec-18	ET. Nolasco

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RDR-PTD-2018-04	Effect of Storage Conditions on Migration Characteristics of Benzophenone in Paper & Paper-based Food Packaging (Phase 1)		Ongoing	01-Feb-18	01-Dec-19	JL. Diaz
RDR-PTD-2018-05	Development of Nano-coating Materials as Postharvest Treatment for Selected Tropical Fruits (Phase 1)		Ongoing	01-Apr-18	01-Dec-18	RAGM. Galalde/A. Basbasan
RDA-PTD-2016-04	Upgrading and Enhancing the Capacity of the Packaging Technology Division in Packaging Research and Innovation (Year 2)		Ongoing	01-Dec-16	30-Nov-19	D. Tanafranca
<b>STD - 4 Projects</b>						
RDA-STD-2017-01	OneLab Capability Assurance System for Metal Content Assessment in Agricultural Produce, Water and Environmental Samples		Ongoing	01-Mar-17	28-Feb-19	R. Fuentes
RDA-STD-2017-02	Enhancing OneLab for Global Competitiveness		Ongoing	01-Jan-17	31-Dec-19	A. Briones
RDA-STD-2018-01	Development of Natural Colorants for Cosmetics		Ongoing	01-Jan-18	31-Dec-18	R. Torres
RDA-TSD-2017-01	Pilot Implementation of ITDIs Pre-Commercialization Tools/Strategies for Effective Transfer and Commercialization of Generated Technologies and Intellectual Properties		On-going	15-Jun-17	31-Dec-18	N. Florendo

**TOTAL            58 Projects**