

2018 R&D PROJECTS IMPLEMENTED

| PROJCODE | PROJECT TITLE | PROJECT STUDY | STATUS | DATE START | DATE END | PROJECT LEADER |
|--------------------------|--|--|-----------|------------|-----------|----------------|
| CED - 10 Projects | | | | | | |
| LFP-CED-2018-01 | Modular Innovation Center for Oils, Blends and Sauces | | Ongoing | 01-Jan-17 | 31-Dec-19 | A. Briones |
| RDA-CED-2018-01 | Characterization/Performance Testing of the Biodiesel/Diesel Blends from Combined Feedstock of Various Vegetable and Used Cooking Oil | | Ongoing | 01-Apr-18 | 30-Sep-19 | A. Briones |
| RDA-CED-2018-02 | Capacity Building on Energy Efficiency and Conservation (EE&C) for SUCs in Six Regions as Demonstration Sites | | Ongoing | 01-Apr-18 | 31-Dec-19 | A. Bawagan |
| 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) | Ongoing | 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 | Ongoing | 01-Jul-17 | 31-Mar-19 | 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 | | Completed | 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 | | Completed | 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 | | Completed | 02-Jan-18 | 31-Dec-18 | F. del Pozo |
| RDRD-CED-2018-01 | ITDI Livelihood Program for the Reconstruction and Rehabilitation of Marawi | | Ongoing | 01-Aug-18 | 31-Dec-19 | E. Ongo |
| EBD - 13 Projects | | | | | | |
| RDR-EBD-2017-10 | Development of Emergency Disinfection System of Drinking Water formerly 'Development of a Mobile Flood Water Treatment System for Emergency Drinking Water' : Study 1: Process and Equipment Development Study 2: Power Supply Development' | | Ongoing | 01-Mar-17 | 31-Mar-19 | 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 | Completed | 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 | Completed | 01-Mar-17 | 30-Dec-18 | E. Panerio |

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| 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 | Completed | 01-Mar-17 | 28-Jun-18 | F. Coronado |
| RDR-EBD-2018-01 | Development of Pre-processing Technologies to Facilitate Waste-to-Energy | | Completed | 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 | Completed | 01-Feb-18 | 30-Dec-18 | B.J. Gutierrez |
| RDR-EBD-2018-02B | In-Situ Remediation of Petroleum Contaminated Soil | Study 2: Remediation of Petroleum Contaminated Soil by Oxidation | Completed | 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) | | Suspended | 01-May-17 | 31-Dec-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-19 | 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) | | Completed | 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-19 | E. Ongo |
| FPD - 12 Projects | | | | | | |
| RDR-FPD-2017-11 | Deployment and Impact Assessment of Developed Disaster Relief Projects (GAD project) | | Completed | 01-Mar-17 | 31-Dec-18 | M Villasenor |

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| 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-Mar-19 | 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 | | Completed | 01-Feb-18 | 31-Dec-18 | M. Falco |
| RDR-FPD-2018-03 | Evaluation of Histamine Level and Commercial Sterility of Bottled sardines in Oil | | Completed | 01-Feb-18 | 31-Dec-18 | L. Montevirgen |
| RDA-FPD-2018-01 | Establishment of Spray-Drying Technology and Equipment to the Nine (9) Regional Food Innovation Centers (FIC-Batch 2) | | Ongoing | 01-Jan-18 | 30-Jun-19 | N. Ambagan |
| RDA-FPD-2018-02 | Development of Corn-based Products for Candaba and Bacolor, Pampanga | | Ongoing | 1-Aug-18 | 2-Feb-19 | M Villasenor |
| RDA-FPD-2018-03 | Establishment of HALAL Assurance System for Selected Banana Products (Banana Chips, Banana Catsup and Frozen Banana) | | Ongoing | 1-Aug-18 | 1-Jul-19 | E. Falco |
| RDA-FPD-2018-04 | Establishment of HALAL Assurance System for Bakery Products (Pandesal and Loaf Bread) | | Ongoing | 1-Aug-18 | 1-Jul-19 | L. Montevirgen |
| RDA-FPD-2018-05 | Technical Guidelines Development for Minimally Processes HALAL Chicken and Chicken By-Products (Edible Giblets) | | Ongoing | 1-Aug-18 | 1-Jul-19 | M. Evaristo |
| RDA-FPD-2018-06 | Development of Emulsified Meat Products (Sausage, Nuggets, Burgers) for HALAL Market | | Ongoing | 1-Aug-18 | 1-Jul-19 | M. Evaristo |
| RDA-FPD-2017-001 | Natural Food Colors from Local Source as Food Additive | | Ongoing | 15-Mar-17 | 14-Mar-19 | M. Villasenor |
| MSD - 18 Projects | | | | | | |
| 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 |

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| 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-19 | B. Basilia (Program Lead) |
| RDA-MSD-2018-02 | Environmental, Health and Safety Research in the Risk Assessment of Nanomaterials (Phase I) | | Ongoing | 01-Jun-18 | 31-Mar-19 | B. Basilia |
| RDA-MSD-2017-06 | Green Synthesis and Functionalization of Carbon Quantum Dots from Biowaste for Biomedical and Industrial Applications | | Completed | 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) | | Completed | 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 | 02-Apr-19 | M. Paglicawan |
| RDR-MSD-2018-01 | Development of Innovative Bullet Proof Vest and Bullet Proof Panels for Armored Vehicles | | Completed | 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 | Completed | 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 | Completed | 01-Feb-18 | 31-Dec-18 | C. Emolaga |
| RDR-MSD-2018-03 | Southeast Asian Atmospheric Corrosion Exposure Studies for Electronic Components | | Completed | 01-Feb-18 | 31-Dec-18 | A. Monsada |
| RDR-MSD-2018-04 | Functional Nano Coating (FuN Coat) for Applications in Energy and Related Industries | | Completed | 01-Feb-18 | 31-Dec-18 | J. Celorico |
| RDR-MSD-2018-05 | Development of Ultrafiltration/Nanofiltration HF membrane for Drinking Water Application | | Completed | 01-Feb-18 | 31-Dec-18 | M. Margarito |
| RDRD-MSD-2018-01 | Deployment of Innovative Rainwater Collection Systems in Marawi | | Ongoing | 01-May-18 | 30-Apr-19 | B. Basilia |
| RDR-MSD-2018-06 | Development of Artificial Muscles from Natural Rubber for Intelligent Robots Application: A Preliminary Study | | Completed | 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-Apr-19 | R. Sese/B. Basilia |

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| 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 |
| NMD - 4 Projects | | | | | | |
| 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 |
| PTD - 10 Projects | | | | | | |
| RDR-PTD-2017-12 | Quality and Safety Monitoring of Chilled and Frozen Foods Using Intelligent Packaging with Time Temperature Indicators: A Preliminary Study | | Completed | 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 | | Completed | 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 | | Completed | 01-Jan-18 | 01-Sep-18 | RAGM. Galalde |
| RDR-PTD-2018-02 | Brand Development of Unique Philippine Product | | Ongoing | 01-Apr-18 | 16-Mar-19 | KJR. Dizon |
| RDR-PTD-2018-03 | Development of Collapsible Toilet Bowl for Emergency/Disaster Operations (Preliminary Study) | | Completed | 01-Feb-18 | 01-Dec-18 | ET. Nolasco |
| RDR-PTD-2018-04 | Effect of Storage Conditions on Migration Characteristics of Benzophenone in Paper & Paper-based Food Packaging | | 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) | | Completed | 01-Apr-18 | 01-Dec-18 | RAGM. Galalde/A. Basbasan |
| RDA-PTD-2016-01 | Package Development of Bakery Product and Field Testing Study of RTE Smoked Fish Rice Meal and Sweet Potato as Disaster/Relief Foods - Phase 2 | | Completed | 24-Apr-17 | 31-Jul-18 | D. Tanafranca |

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| RDA-PTD-2017-15 | Development of an Effective Distribution System for RTE Foods (Chicken Arroz Caldo and Smoked Fish Rice Meal) to Mitigate the Magnitude of Distress for Calamity Survivors and Providers of Services - Year 1 | | Ongoing | 16-Nov-17 | 30-Nov-18 | D. Tanafranca |
| 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 |
| STD - 4 Projects | | | | | | |
| 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. Fuertes |
| RDA-STD-2017-02 | Enhancing OneLab for Global Competitiveness | | Ongoing | 01-Jan-17 | 31-Dec-19 | A. Briones |
| RDA-STD-2018-02 | DOST Integrated Halal S&T Program: Establishment of Halal Assurance System for Production, Method Development and Standardization of Cosmetics and Toiletries | | Ongoing | 01-Aug-18 | 31-Jul-19 | R. Torres |
| RDA-STD-2018-01 | Development of Natural Colorants for Cosmetics | | Ongoing | 01-Jan-18 | 31-Mar-19 | R. Torres |
| TSD - 1 Project | | | | | | |
| 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-Mar-19 | N. Florendo |

TOTAL 72 Projects