

NUMBER OF R&D PROJECTS IMPLEMENTED WITH BENEFICIARIES 2016

PROJCODE	PROJECT TITLE	PROJECT STUDY	STATUS	DATE START	DATE END	BENEFICIARIES
RDA-TSD-2013-01	Roll-out of DOST- Developed Food Processing Equipment to the Regions		On-going	01-Oct-13	31-Dec-17	Nationwide Food industries
RDA-EBD-2016-01	Microbial based Technologies for the Rehabilitation of Heavy Metal Contaminated Wastewater from Mining site		On-going	01-Apr-16	31-Mar-17	Mining industry Chemical industry Contaminated sites Electroplating industry Semiconducto industry Local Government Units
RDR-2016-01	Bench Scale Production of Locally Produced Nanozeolite Pelletes and Powder		Completed	01-Jan-16	31-Dec-16	Local mining industries
RDR-2016-02	Application Studies of Nanozeolite in Water/Wastewater Treatment					
RDR-MSD-2016-02A	Application Studies of Nanozeolite in Water/Wastewater Treatment	Study 1: Surface Modification of Locally Produced Nanozeolite for Water Purification	Completed	01-Jan-16	31-Dec-16	Local mining industries pottery industries communities with no access to potable water
RDR-EBD-2016-02B	Application Studies of Nanozeolite in Water/Wastewater Treatment	Study 2: Competitive Sorption and Removal of Heavy Metals from Aqueous Solution using Locally Mined Zeolite	On-going	01-Apr-16	31-Mar-17	Contaminated sites, semiconductor industry, electroplating and metal finishin industry, chemical laboratories, etc.
RDR-2016-03	Field-Testing of Nanozeolite in Molecular Sieve/Membrane Technologies					
RDR-CED-2016-03A	Field-Testing of Nanozeolite in Molecular Sieve/Membrane Technologies	Study 1: Performance Testing of the Purification System for Ethanol in Dehydration and Regeneration of Zeolite Molecular Sieve	On-going	16-Mar-16	31-Mar-17	Fuel industries
RDR-CED-2016-3B	Field-Testing of Nanozeolite in Molecular Sieve/Membrane Technologies	Study 2: Field Testing of Nano Zeolite Membrane for CO2 Capture in Boiler System	Completed	01-Jan-16	31-Dec-16	1. MSMEs including the food processing industries and plants utilizing carbon dioxide as production component 2. Combustion equipment and stand-by generator manufacturers and suppliers
RDR-2016-04	Production and Evaluation of Nanozeolite Films for Food and Industrial Applications					
RDR-MSD-2016-04A	Production and Evaluation of Nanozeolite Films for Food and Industrial Applications	Study 1: Production of Nanozeolite Films for Advanced Industrial Applications	Completed	01-Jan-16	31-Dec-16	Local mining industries food packaging industry plastic manufacturing
RDR-PTD-2016-04B	Production and Evaluation of Nanozeolite Films for Food and Industrial Applications	Study 2: Evaluation of Acetaldehyde content in different brands of PET-bottled drinking water	On-going	01-Mar-16	31-Mar-17	1. General public/consumers 2. Suppliers and distributors and converters of PET
RDR-EBD-2015-02	Oil Spill/Sheen Remediation using Nano-Engineered Adsorbents and Composites					
RDR-EBD-2015-02A	Oil Spill/Sheen Remediation using Nano-Engineered Adsorbents and Composites	Study 1: Field-Testing of Modified Zeolite for Oil-Spill Remediation	Completed	01-Apr-15	31-Mar-16	Petrochemical industry non-petroleum oil producing industry chemical industry Chemical laboratories Oil contaminated sites Gasoline stations Maritime Industry (nationwide)

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RDR-EBD-2015-02B	Oil Spill/Sheen Remediation using Nano-Engineered Adsorbents and Composites	Study 2: Field-Testing of Chitosan-CaCO ₃ Composite for Oil Spill Remediation	Completed	01-Apr-15	31-Mar-16	Processing Industry Shipping company Oil spill Contaminated sites
RDR-PTD-2015-1	Characterization of Zeolite Film and Application for Packaging of Fresh (delayed ripening) and Processed (shelf life extension) Mango and Banana					
RDR-PTD-2015-01a	Characterization of Zeolite Film and Application for Packaging of Fresh (delayed ripening) and Processed (shelf life extension) Mango and Banana	Study 1: Application of active packaging technology in delaying the ripening of fresh mango & banana	On-going	01-Aug-15	30-Jun-17	Food Industry Consumers Farmers
RDR-PTD-2015-01b	Characterization of Zeolite Film and Application for Packaging of Fresh (delayed ripening) and Processed (shelf life extension) Mango and Banana	Study 2: Evaluation of zeolite coated films as food packaging	Cancelled	01-Aug-15	30-Jan-17	Food Industry Consumers Farmers
RDR-PTD-2015-01c	Characterization of Zeolite Film and Application for Packaging of Fresh (delayed ripening) and Processed (shelf life extension) Mango and Banana	Study 3: Application of zeolite film for shelf-life extension of processed mango and banana	Cancelled	01-Aug-15	30-Jan-17	Food Industry Consumers Farmers
RDR-2016-05	Scale-up Production and Application of Studies of Nano Precipitated Calcium Carbonate					
RDR-MSD-2016-05A	Scale-up Production and Application of Studies of Nano Precipitated Calcium Carbonate	Study 1: Scale-up Production of NPCC for Industrial Application	Completed	01-Jan-16	31-Dec-16	Local mining industries Plastic manufacturing packaging industry
RDR-MSD-2016-05B	Scale-up Production and Application of Studies of Nano Precipitated Calcium Carbonate	Study 2: Application of Nano-Precipitated Calcium Carbonate for Flexible and Rigid Plastics Production	Completed	01-Jan-16	31-Dec-16	
RDR-CED-2016-05C	Scale-up Production and Application of Studies of Nano Precipitated Calcium Carbonate	Study 3: Scale-up Production of NPCC for Pharmaceutical Grade Calcium Carbonate	On-going	01-Jan-16	31-Mar-17	Health-care industry
RDR-FPD-2016-05D	Scale-up Production and Application of Studies of Nano Precipitated Calcium Carbonate	Study 4: Use of Nano Calcium Carbonate in the Neutralization and Clarification of Ready-to-Drink Sugar Cane Juice (Pure and with Fruit Flavors)	Completed	15-Feb-16	31-Dec-16	Producers of raw sugar/muscovado Processors of beverages
RDR-FPD-2016-05E	Scale-up Production and Application of Studies of Nano Precipitated Calcium Carbonate	Study 5: Effect of Nano Calcium Carbonate Modified pH and Temperature on the Inversion of Sucrose in Sugarcane Juice	Completed	15-Feb-16	31-Dec-16	Producers of raw sugar/muscovado Processors of beverages
RDR-EBD-2016-05F	Scale-up Production and Application of Studies of Nano Precipitated Calcium Carbonate	Study 6: Removal of Heavy Metal Ions from Wastewater using Bio-Sorbent Chitosan-Calcium Carbonate Composite	On-going	01-Apr-16	31-Mar-17	Electroplating industry Semi-conductor industry Other related industries
RDR-2016-06	Scale-up Production of Modified Starch from Cassava					
RDR-CED-2016-06A	Scale-up Production of Modified Starch from Cassava	Sub-project 1: Rehabilitation of Processing Equipment	Completed	01-Jan-16	31-Dec-16	Researchers of ITDI, industry, academe, other government and private individuals who may wish to use these equipment for their research.

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RDR-CED-2016-06B	Scale-up Production of Modified Starch from Cassava	Sub-project 2: Production of Starch Acetate	Completed	01-Jan-15	31-Dec-16	Cassava industry stakeholders, food processing and bioplastics industries
RDR-CED-2016-06C	Scale-up Production of Modified Starch from Cassava	Sub-project 3: Production of Cross-linked Starch	Completed	01-Jan-15	31-Dec-16	Cassava industry stakeholders, food processing and bioplastics industries
RDR-CED-2016-06D	Scale-up Production of Modified Starch from Cassava	Sub-project 4: Production of Heat-treated Starch	Completed	01-Jan-15	31-Dec-16	Cassava industry stakeholders, food processing and bioplastics industries
RDR-FPD-2016-07A	Application of Modified Starch in Food Products and Processes	Study 1: Application of Modified Cassava Starch as Bulking Agent/Carrier in Drum Drying and Spray Drying	Completed	15-Feb-16	31-Dec-16	1. Food industry 2. Farmers 3. Food Consumers 4. LGUs and RD agencies
RDR-FPD-2016-07B	Application of Modified Starch in Food Products and Processes	Study 2: Use of Modified Cassava Starch as Binder for Glute-Free Rice Noodles	Completed	15-Feb-16	31-Dec-16	involved in food processing 5. Food trade organization/association
RDR-2016-08	Biotechnology Intervention in the Production of Pigments from Modified Starch using Monascus sp					
RDR-EBD-2016-08A	Biotechnology Intervention in the Production of Pigments from Modified Starch using Monascus sp	Study 1: Strain Improvement of Monascus Purpureus and Preparation of Liquid Inoculant using Modified Heat and Moisture Treated) Starch for Production of Food Colors	Completed	01-Feb-15	31-Dec-16	Food color producers and users
RDR-EBD-2016-08B	Biotechnology Intervention in the Production of Pigments from Modified Starch using Monascus sp	Study 2: Comparative Optimization Study on the use of Modified Cassava Starch and Rice Starch as Monascus spp Response Surface Methodology (RSM)	Completed	01-Feb-15	31-Dec-16	Food industries Textile industries
RDR-EBD-2015-03	Treatment of Modified Starch Processing and Post-consumer Polymeric Wastes					
RDR-EBD-2015-03A	Treatment of Modified Starch Processing and Post-consumer Polymeric Wastes	Study 1: Aerobic Treatment of Wastewater	Completed	01-Apr-15	31-Mar-16	Modified Starch processing industry and similar wastewater from other industries
RDR-EBD-2015-03B	Treatment of Modified Starch Processing and Post-consumer Polymeric Wastes	Study2: Determination of aerobic-biodegradation of Polymeric Materials	Completed	01-Apr-15	31-Mar-16	Modified Starch processing industry and similar wastewater from other industries
RDR-EBD-2015-03C	Treatment of Modified Starch Processing and Post-consumer Polymeric Wastes	Study 3: Isolation, Characterization & Validation of Microorganisms for Bioremediation of Wastewater from Modified Starch Production and Biodegradation of Plastic Additives	Completed	01-Apr-15	31-Mar-16	Modified Starch processing industry and similar wastewater from other industries
RDR-EBD-2015-03D	Treatment of Modified Starch Processing and Post-consumer Polymeric Wastes	Study 4: Pilot-Scale Aerobic treatment of Wastewater from Modified Starch Processing using Novel Locally-Isolated Bacterial Strains	On-going	01-Apr-16	31-Mar-17	Modified Starch processing industry and similar wastewater from other industries
RDR-FPD-2015-02	Functional Characterization of ITDI-developed Modified Starches for Food Application: Oxidized, Acetate, Cross-linked, Heat-Treated		Completed	01-Mar-15	30-Jun-16	Cassava farmers and starch producers

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RDR-MSD-2015-3	Biodegradable nanocomposites from Cassava Starch		Completed	01-Apr-15	30-Jun-16	1. Food Packaging 2. Household Industries 3. Agriculture/ Crop Industry 4. Solid Waste Management Sector 5. Plastics Industries
RDR-FPD-2016-10A	Development of Beverages for Disaster Situation	Study 1: Development of Isotonic Drinks for Disaster Situations	On-going	01-Feb-16	30-Jan-17	1. Emergency food producers 2. Rescue groups 3. DSWD/LGUs
RDR-FPD-2016-10B	Development of Beverages for Disaster Situation	Study 2: Complete Survival Beverage or Meal Replacement Beverages as Emergency Food	On-going	01-Jan-15	30-Jan-17	
RDR-PTD-2015-3	Application of Retort Packaging Technology in the Development of Disaster Mitigation/ Relief Foods Phase 2 (root crop based products)		On-going	01-Jul-15	31-Jan-17	1. Victims of natural calamities 2. LGUs and DSWD
RDR-PTD-2015-4	Packaging Development/Improvement for Bakery Products as Disaster/Relief Foods and Combat Foods		On-going	01-Jul-15	31-Jan-17	1. Victims of natural calamities 2. LGUs and DSWD
RDA-PTD-2016-01	Package Development of Bakery Product and Field Teting of Study of RTE Smoked Fish Rice Meal and Sweet Potato as Disaster/Relief Foods		On-going	18-Jan-16	17-Jan-17	1. Victims of natural calamities 2. LGUs and DSWD
RDR-2016-11	ITDI Solid Waste Management					
RDR-EBD-2016-11A	ITDI Solid Waste Management	Study 1: Waste analysis and Characterization Study and Industrial Design Improvement of Bioreactor	Completed	01-Jan-16	31-Dec-16	Potential beneficiaries will include government and private institutions, local government units, academic institutions, barangays, and other groups interested in solid waste management.
RDR-EBD-2016-11B	ITDI Solid Waste Management	Study 2: Information, Education and Communication Campaign (IEC) and Development of Electric Plastic Densifier	Completed	01-Jan-16	31-Dec-16	ITDI-DOST employees and janitors; households
RDR-2016-12	Setting-up of Packaging System for Carrageenan Solution		Completed	01-Jan-16	31-May-16	Carrageenan producers
RDA-MSD-2016-03	Development of Low-Cost Modular Type Rainwater Collection System using Locally Available Materials		Ongoing	01-Dec-15	31-May-17	Selected barangays in Manila
RDA-MSD-2014-09	Plasma-Treated Abaca Fiber Composites for Industrial Application (ITDI-KIMS Research Collaboration Project) Phase 2		Completed	01-Jan-14	31-Dec-16	1. Abaca growers and industry 2. Automotive and industrial company
RDA-MSD-2016-02	Southeast Asian Atmospheric Corrosion Exposure Study (SEA ACES) of Steels, Electronics Equipment and Components in Philippine Marine Environment - Year 2		Completed	01-Jan-16	31-Dec-16	Electronics industries, Steel manufacturing industries

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RDR-EBD-2014-10	Development of a Compact Wastewater Treatment System Enhanced with Bio-Augmentation Technology for Quick Service Restaurants (QSRs) (YR 1)		Ongoing	01-Apr-14	15-Feb-17	Quick service restaurants (QSR) industry
RDA-FPD-2015-09	Establishment of Emergency Food Reserve (EFR) Production Capabilities of the Technoville Site in Barangay Tanza, Navotas City		Completed	01-Mar-15	31-Dec-16	Brgy. Tanza, Cavite (Cooperator) Community-Government - Private Sector
RDA-FPD-2015-07	Development of Competence of the DOST Food Innovation Center and Recognition of Most Innovative Products		Completed	01-Apr-15	30-Dec-16	food Industry Consumers and DOST Regional Offices
RDA-PTD-2013-05	Enhancing the Competitiveness of Fresh Fruits and Semi-Processed Agricultural Products through the Application of Appropriate & Sustainable Packaging (JICA project)		On-going	15-Apr-13	31-Dec-17	Food and packaging industry
RDA-STD-2014-01	Integration of Testing Services for Rubber and Rubber-based Products		On-going	15-Jul-14	14-Jul-17	Rubber Industries, Manufacturers, Importers, Domestic Households and regulatory agencies
RDRD-STD-2012-01	Interlaboratory Comparison of Additives and Contaminants in Foods (proj. 2)		Completed	01-Jul-12	31-Mar-16	Testing laboratories Regulatory and accreditation bodies
RDRD-PTD-2012-05	Development of Transports Packaging Technology for Fresh Fruits and Vegetables		Completed	16-May-12	30-Jun-16	Standard developers PTD management and staff capability on business management and ethics are enhanced PTD facility on transport packaging technology PTD capability to provide consultation and technology transfer activities for small hold farmers/growers
RDR-PTD-2016-03	Development of generic packaging and technology for selected food products of FICs and MSMEs in the regions		On-going	16-Apr-16	15-Apr-17	FIC and MSMEs in the region
RDA-MSD-2016-01	Establishment of an Advanced Device Materials Testing Laboratory for the Semiconductor and Electronics Manufacturing Industries (ADMATEL) Phase-5 Operation of ADMATEL		Completed	1-Jan-16	31-Dec-16	Semiconductor Industry
	Setting-up of One Stop Laboratory for Global Competitiveness (Phase 1)		Completed	1-Aug-14	31-Dec-16	MSMEs, Students and other individual who requires testing services