

**NUMBER OF R&D PROJECTS IMPLEMENTED
2016**

PROJCODE	PROJECT TITLE	STATUS	DATE START	DATE END	PROJECT LEADER
MSD					
RDR-2016-01	Bench Scale Production of Locally Produced Nanozeolite Pelletes and Powder	Completed	1-Jan-16	31-Dec-16	J. Celorico
RDR-MSD-2015- 3	Biodegradable nanocomposites from Cassava Starch	Completed	1-Apr-15	30-Jun-16	M. Paglicawan
RDA-MSD-2016- 03	Development of Low-Cost Modular Type Rainwater Collection System using Locally Available Materials	On-going	1-Dec-15	31-May-17	B. Basilia
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	1-Jan-16	31-Dec-16	A. Monsada
RDA-MSD-2014-09	Plasma-Treated Abaca Fiber Composites for Industrial Application (ITDI-KIMS Research Collaboration Project) Phase 2	Completed	1-Jan-14	31-Dec-16	M. Paglicawan
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	A. Monsada
MSD, EBD	1				
RDR-2016-02	Application Studies of Nanozeolite in Water/Wastewater Treatment				

RDR-MSD-2016-02A	Study 1: Surface Modification of Locally Produced Nanozeolite for Water Purification	Completed	1-Jan-16	31-Dec-16	J. Celorico
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CED

RDR-2016-03 Field-Testing of Nanozeolite in Molecular Sieve/Membrane Technologies

RDR-CED-2016-3B	Study 2: Field Testing of Nano Zeolite Membrane for CO2 Capture in Boiler System	Completed	1-Jan-16	31-Dec-16	A. Bawagan
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RDR-2016-06 Scale-up Production of Modified Starch from Cassava

RDR-CED-2016-06A	Sub-project 1: Rehabilitation of Processing Equipment	Completed	1-Jan-16	31-Dec-16	C. De Vera
RDR-CED-2016-06B	Sub-project 2: Production of Starch Acetate	Completed	1-Jan-15	31-Dec-16	L. Hermosura
RDR-CED-2016-06C	Sub-project 3: Production of Cross-linked Starch	Completed	1-Jan-15	31-Dec-16	C. Bulan
RDR-CED-2016-06D	Sub-project 4: Production of Heat-treated Starch	Completed	1-Jan-15	31-Dec-16	M. Carandang

MSD, PTD

RDR-2016-04 Production and Evaluation of Nanozeolite Films for Food and Industrial Applications

RDR-MSD-2016-04A	Study 1: Production of Nanozeolite Films for Advanced Industrial Applications	Completed	1-Jan-16	31-Dec-16	M. Paglicawan
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EBD

RDR-EBD-2015-02 Oil Spill/Sheen Remediation using Nano-Engineered Adsorbents and Composites

RDR-EBD-2015-02A	Study 1: Field-Testing of Modified Zeolite for Oil-Spill Remediation	Completed	1-Apr-15	31-Mar-16	C. Gacho
RDR-EBD-2015-02B	Study 2: Field-Testing of Chitosan-CaCO ₃ Composite for Oil Spill Remediation	Completed	1-Apr-15	31-Mar-16	E. Ongo

RDR-EBD-2015-03	Treatment of Modified Starch Processing and Post-consumer Polymeric Wastes				
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RDR-EBD-2015-03A	Study 1: Aerobic Treatment of Wastewater	Completed	1-Apr-15	31-Mar-16	F. Coronado
RDR-EBD-2015-03B	Study2: Determination of aerobic-biodgradation of Polymeric Materials	Completed	1-Apr-15	31-Mar-16	U. Bigol
RDR-EBD-2015-03C	Study 3: Isolation, Characterization & Validation of Microorganisms for Bioremediation of Wastewater from Modified Starch Production and Biodegradation of Plastic Additives	Completed	1-Apr-15	31-Mar-16	L. Egay
RDR-2016-11	ITDI Solid Waste Management				
RDR-EBD-2016-11A	Study 1: Waste analysis and Characterization Study and Industrial Design Improvement of Bioreactor	Completed	01-Jan-16	31-Dec-16	M. Tangsengco
RDR-EBD-2016-11B	Study 2: Information, Education and Communication Campaign (IEC) and Development of Electric Plastic Densifier	Completed	01-Jan-16	31-Dec-16	L. Egay
RDR-2016-11	Biotechnology Inervention in the Production of Pigments from Modified Starch using Monascus sp				
RDR-EBD-2016-08A	Study 1: Strain Improvement of Monsacus Purpureus and Preparation of Liquid Inoculant using Modified Heat and Moisture Treated Starch for Production of Food Colors	Completed	01-Feb-16	31-Dec-16	U. Bigol
RDR-EBD-2016-08B	Study 2: Comprative Optimization Study on the use of Modified Cassava Starch and Rice Starch as Monascus spp Response Surface Methodology (RSM)	Completed	01-Feb-16	31-Dec-16	

PTD**1**

RDRD-PTD-2012-05	Development of Transports Packaging Technology for Fresh Fruits and Vegetables	Completed	16-May-12	30-Jun-16	D. Tañafranca/ E. Nolasco
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MSD, CED, FPD, EBD**RDR-2016-05 Scale-up Production and Application of Studies of Nano Precipitated Calcium Carbonate**

RDR-MSD-2016-05A	Study 1: Scale-up Production of NPCC for Industrial Application	Completed	01-Jan-16	31-Dec-16	J. Celorico
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RDR-MSD-2016-05B	Study 2: Application of Nano-Precipitated Calcium Carbonate for Flexible and Rigid Plastics Production	Completed	01-Jan-16	31-Dec-16	M. Paglicawan
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RDR-FPD-2016-05D	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	D. Villasenor
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RDR-FPD-2016-05E	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	D. Villasenor
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FPD**RDR-2016-07 Application of Modified Starch in Food Products and Processes**

RDR-FPD-2016-07A	Study 1: Application of Modified Cassava Starch as Bulking Agent/ Carrier in Drum Drying and Spray Drying	Completed	15-Feb-16	31-Dec-16	M. Falco
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RDR-FPD-2016-07B	Study 2: Use of Modified Cassava Starch as Binder for Glute-Free Rice Noodles	Completed	15-Feb-16	31-Dec-16	M. Falco
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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	M. Evaristo
RDR-2016-12	Setting-up of Packaging System for Carrageenan Solution	Completed	01-Jan-16	31-May-16	N. Ambagan
RDA-FPD-2015-09	Establishment of Emergency Food Reserve (EFR) Production Capabilities of the Technoville Site in Barangay Tanza, Navotas City	Completed	1-Mar-15	30-Jul-16	L. S. Montevirgen
RDA-FPD-2015-07	Development of Competence of the DOST Food Innovation Center and Recognition of Most Innovative Products	Completed	1-Apr-15	31-Dec-16	M. D. Villaseñor
STD	2				
RDA-STD-2014-01	Integration of Testing Services for Rubber and Rubber-based Products	On-going	15-Jul-14	14-Jul-17	A. Senica
RDRD-STD-2012-01	Interlaboratory Comparison of Additives and Contaminants in Foods (proj. 2)	Completed	1-Jul-12	31-Mar-16	B. Ebarvia
	Setting-up of One Stop Laboratory for Global Competitiveness (Phase 1)	Completed	1-Aug-14	31-Dec-16	MPV Azanza/ AV Briones