

LIST OF ABSTRACTS FOR SCIENTIFIC POSTERS PRESENTATION

41st Annual Scientific Meeting; 10-11 July 2019

Science and Technology-Enhanced Transformation for Sustainability and Resiliency (2018-2030)

Agricultural Sciences Division - AS ENDORSED BY ASD

NO.	AUTHOR/S	MAJOR AUTHOR	PRESENTING AUTHOR	AFFILIATION	TITLE OF PAPER
AGRICULTURE AND FORESTRY MANAGEMENT AND PRODUCTION SYSTEMS					
ASD-001	Johannah Mariz J. Lumanog	Johannah Mariz J. Lumanog	Johannah Mariz J. Lumanog	University of the Philippines Los Baños; College, Laguna	Analysis of the Willingness to Pay for Charcoal Briquettes of Food Establishments in Los Baños, Laguna, 2018
ASD-002	Gina Villegas-Pangga, Ann Nicole Lasam, Arsenio Bulfa Jr.	Gina Villegas-Pangga	Gina Villegas-Pangga	Agricultural Systems Institute, College of Agriculture and Food Science, U.P. Los Banos, College, Laguna	Application of Biochars Derived From Agricultural Wastes: An Ecologically Sound Technology that Promises Improvement of Soil Properties and Crop Productivity
ASD-003	Amparo DM. Wagan, Gina V. Pangga, Maria Helen F. Dayo, Leonardo L. Tamisin Jr.	Amparo DM. Wagan	Amparo DM. Wagan	Agricultural Systems Cluster-CAFS, University of the Philippines Los Banos	Are We Food Insecure? A Community-based Agricultural Systems Assessment Tool for Food Security
ASD-004	Jocelyn T. Zarate	Jocelyn T. Zarate	Jocelyn T. Zarate	National Institute of Molecular Biology and Biotechnology (BIOTECH), University of the Philippines Los Banos	Biofertilizer MykoPlus enhances growth and yield of crops for a more productive Philippines
ASD-005	Fred Jan A. Francia and Imeldalyn G. Pacada	Imeldalyn G. Pacada	Imeldalyn G. Pacada	Philippine Rice Research Institute Central Experiment Station Maligaya Science City of Muñoz, 3119, Nueva Ecija, Philippines	Can VarMix system be an alternative technology for mitigating the effects of biotic and abiotic stresses?

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ASD-006	Aeron A. Ruazol, Apolonio M. Ocampo, Lovely Luar, Mirasol Pampolino, Nel Oliver Mateo, Ernesto delos Santos, Primitivo Jose Santos, Jesse Descalsota, Thomas Oberthur	Aeron A. Ruazol	Aeron A. Ruazol	Institute of Plant Breeding, CAFS, UPLB, College, Laguna 4031; International Plant Nutrition Institute, SEAP, IRRI, College Laguna 4031	Cassava Yield Improvement through Site Specific Nutrient Management
ASD-007	Joshua G. Jomao-as, Bernadette C. Mendoza, Noel G. Sabino, and Nelly S. Aggangan	Joshua G. Jomao-as	Joshua G. Jomao-as	1. Microbiology Division, Institute of Biological Sciences, College of Arts and Sciences, UPLB, College, Laguna 2. National Institute of Molecular Biology and Biotechnology, University of the Philippines Los Banos, College, Laguna 4031 Philippines	Co-amendment of Bamboo Biochar, Vermicompost, and Biofertilizer Improved Growth, Nutrients Status, and Soil Biological Components of Cacao (<i>Theobroma cacao</i> L.)
ASD-008	Maria Niña S. Cabiao, Jaime R. Quilantang, Ronaldo T. Alberto, and Dindo King M. Donayre	Maria Niña S. Cabiao	Dindo King M. Donayre	Department of Crop Protection, Central Luzon State University, Science City of Muñoz, 3120 Nueva Ecija; Philippine Rice Research Institute, Maligaya, Science City of Muñoz, 3119 Nueva Ecija	<i>Commelina diffusa</i> Burm. f.: A Certified Weed of Rice under Saturated Condition
ASD-009	Juanito P. Jimenez Jr.	Juanito P. Jimenez Jr.	Juanito P. Jimenez Jr.	DOST-FPRDI, College, Laguna	Comparative Performance of Commercial and Formulated Plywood Adhesive with Tobacco Particles Additive

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ASD-010	Bless Ira Verganio, Charl M. Ampuan, Judao B. Sandoval, Lance A. Castro, Ashley Zane B. Fernandez, Suzzeth Untalan-Dizon	Bless Ira Verganio	Suzzeth Untalan- Dizon	Caloocan City Science High School P. Sevilla Street Corner 10th Avenue, West Grace Park, Caloocan Cit	Comparing mustard (<i>Brassica juncea</i>), pechay (<i>Brassica rapa</i>), and hot peppers (<i>Capsicum frutescens</i>) growth on four hydroponics setup
ASD-011	Roel L.Fucio, Decibel V. Faustino Eslava, Rico C. Ancog, Victorino A. Bato, Cristino L. Tiburan, Jr.	Roel L. Fucio	Roel L. Fucio	University of the Philippines Los Banos, Laguna, Philippines	Decadal Land Use Change Dynamics in the City of Santa Rosa, Laguna, Philippines
ASD-012	Marvin T. Valentin, Elmar M. Villota	Valentin, Marvin T.	Valentin, Marvin T.	Benguet State University	Design, Fabrication and Evaluation of a Potato Grader for Village Operation
ASD-013	Jose Arnel O. Reyes, Eureka Teresa M. Ocampo	Jose Arnel O. Reyes	Jose Arnel O. Reyes	Institute of Plant Breeding, College of Agriculture and Food Science, University of the Philippines Los Baños 4030	Differences in Root Characteristics in Mungbean (<i>Vigna radiata</i> L. Wilczek) Subjected to Water Deficit
ASD-014	Gina D. Balleras and Leah E. Endonela	Gina D. Balleras	Gina D. Balleras	1Philippine Rice Research Institute (PhilRice), Bual Norte, Midsayap, North Cotabato 9410; 2Institute of Crop Science, College of Agriculture and Food Science, University of the Philippines Los Baños, College, Laguna 4031, Philippines	Ecological Engineering for a Healthy Upland Rice Ecosystem

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ASD-015	Darwin S. Villanueva, Mary Ann s. Silvestre, Janet B. Quilang, Samuel Simon	Darwin S. Villanueva	Samuel R. Simon	Isabela State University, Cabagan, 3328 Isabela, Philippines	Effect of Different Row Spacing and Fungicide Application on the Growth and Yield Performance of Genetically Modified Corn
ASD-016	Loise Sharmaine N. Arcillas, Juanito V. Bariuan, Katherine P. Valencia, Virender Kumar	Loise Sharmaine N. Arcillas	Loise Sharmaine N. Arcillas	Institute of Weed Science, Entomology and Plant Pathology, College of Agriculture and Food Science, University of the Philippines Los Baños, College, Laguna; International Rice Research Institute, Los Baños, Laguna	Efficacy of Tank-Mixed Bispyribac-Sodium and Surfactants Against Selected Lowland and Upland Weeds and their Safety to Rice (<i>Oryza sativa</i> L.)
ASD-017	Virgilio Julius P. Manzano Jr, Nathaniel R. Alibuyog, Dionisio S. Bucao Rodel U. Utrera	Virgilio Julius P. Manzano, Jr.	Virgilio Julius P. Manzano, Jr.	Mariano Marcos State University City of Batac 2906 Ilocos Norte	Enhancing Peanut Production through Innovative Water Management Strategies
ASD-018	Raymond Vincent F. Castillo, Rose Glendelyn T. Romero, Charmaine S. Daljog, Rey C. Thomas, Jr., Rene C. Santiago, Marcos B. Valdez Jr.	Raymond Vincent F. Castillo	Marcos B. Valdez Jr.	Department of Biological Sciences, Institute of Arts and Sciences, Far Eastern University, Nicanor Reyes Street, Sampaloc, 11000 Manila, Philippines	Genetic diversity of the HSP70 gene in native chicken (<i>Gallus gallus domesticus</i> L.) breeds of the Philippines

NO.	AUTHOR/S	MAJOR AUTHOR	PRESENTING AUTHOR	AFFILIATION	TITLE OF PAPER
ASD-019	Arlene Tarranco 2, , JonalynQuinan2, Dominic Rodriguez2 & Shierel F. Vallesteros1	Shierel F. Vallesteros	Shierel F. Vallesteros	2 Graduate Student, College of Forestry, Nueva Vizcaya State University 1 Faculty member, College of Forestry, Nueva Vizcaya State University	Growth Performance of Moluccan sau (Falcataria moluccana (Miq.) Barnaby & J.W. Grimes) as influenced by varying Light Intensities using Various Spectral Filters
ASD-020	Leticia A. Lutap, Alecsis G. Villarin, Jonathan R. Ramos, Evangeline S. Galacgac	Leticia A. Lutap	Leticia A. Lutap	Mariano Marcos State University, City of Batac, Ilocos Norte	Impact of Climatic Variation in the Productivity and Yield Performance of Garlic
ASD-021	Dionisio S. Bucao, Xenia Elika N. Bucao* and Jallene E. Arzaga*	Dionisio S. Bucao	Xenia Elika N. Bucao	Mariano Marcos State University, City of Batac, Ilocos Norte	Impact of Soil and Climatic Conditions on the Phytochemical Property of Livistona rotundifolia Shoot
ASD-022	Dindo King M. Donayre, Jobelle S. Bruno, Ailon Oliver P. Capistrano, Anna Ma. Lourdes S. Latonio	Dindo King M. Donayre	Dindo King M. Donayre	Crop protection Division, Agronomy, Soil Science, and Plant Physiology Division, Philippine Rice Research Institute, Science City of Muñoz, 3119 Nueva Ecija; Department of Statistics, Central Luzon State University, Science City of Muñoz, 3120 Nueva Ecija, Philippines	Influence of Single Plant Cyperus rotundus L. on Growth and Development of Rice under Continuous Flooded Condition

NO.	AUTHOR/S	MAJOR AUTHOR	PRESENTING AUTHOR	AFFILIATION	TITLE OF PAPER
ASD-023	Catherine Hazel M. Aguilar, Dan Carlo N. Barrion, Nestor C. Altoveros, Teresita H. Borromeo, Hidelisa D. de Chavez, Lorna E. Sister, Leah E. Endonela, Nina Julia L. Bautista, Christian D. Robillos, Norvie J. dela Cruz, Louis Samuel H. Dizon	Catherine Hazel M. Aguilar	Dan Carlo N. Barrion	College of Agriculture and Food Science, University of the Philippines Los Baños, College, Laguna	iVeg: A Web Portal for Information about Philippine Indigenous Vegetables
ASD-024	Rubigilda Paraguison-Alili, Rose Anne C. Del Pilar, Lani Lou Mar A. Lopez	Rubigilda/P./Alili	Rubigilda/P./Alili	Central Luzon State University, Science City of Munoz, Nueva Ecija	Molecular Screening on the Occurrence of the Most Important Pathogens in Organic Fertilizers and Liquid Supplements for a Safe Organic and Sustainable Agriculture
ASD-025	Ramon Christopher G. Alip, Maria Cielo Paola B. Rodriguez, Alvin Quiel Sabanal, Rodel G. Maghirang	Ramon Christopher G. Alip	Ramon Christopher G. Alip	Institute of Plant Breeding, College of Agriculture and Food Science, University of the Philippines Los Baños, College, Laguna	Mungbean Performance as Cassava Intercrop and its Differential Contribution to Cassava Performance
ASD-026	Fredi Jan Francia, Evaristo Abella, Chito Sace	Fredi Jan A. Francia	Fredi Jan A Francia	PhilRice-CES, Science City of Muñoz, Nueva Ecija	Nutrient Dynamics in Hydroponic Production of Lettuce (<i>Lactuca sativa</i> , L. var. <i>crispa</i>) using Household Greenhouse Module

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ASD-027	Gerald E. Bello, Mary Rose O. Mabalay, Elmer D. Alosnos, Eduardo Jimmy P. Quilang, Jovino L. De Dios, Cielo Luz C. Mondejar, Cherryl U. Seville, Caesar Joventino M. Tado, Rodelyn H. Caro, Cherry E. Tayson	Gerald E. Bello	Gerald E. Bello	Philippine Rice Research Institute - Negros Branch Station, Cansilayan, Murcia, Negros Occidental	PRISM: A Near Real-Time Monitoring System to Describe the Rice Production Situation of Western Visayas
ASD-028	Angelica T. Mamauag, Cynthia P. Obispo, Samuel R. Simon	Samuel R. Simon	Samuel R. Simon	Isabela State University, Cabagan, 3328 Isabela, Philippines	Productivity of Sweet Pepper (<i>Capsicum annum</i> L.) Under Different Balance Fertilization Strategy
ASD-029	Christopher dela Cruz, Consorcia Reaño	Christopher/DV. /Dela Cruz	Christopher/DV. /Dela Cruz	Institute of Statistics, College of Arts and Sciences, University of the Philippines Los Baños, College, Laguna 4031	Profile analysis on the productivity of coconut (<i>Cocos nucifera</i> L.) for the four climate types in the Philippines
ASD-030	Catherine Hazel M. Aguilar, Vladimir Rellon, Florence L. Zapico	Catherine Hazel M. Aguilar	Catherine Hazel M. Aguilar	Institute of Plant Breeding, University of the Philippines Los Banos, College Laguna	Resilience Assessment of Selected Upland Communities in Sarangani Province
ASD-031	Nelly S. Aggangan, Romualdo P. Yecyec, Joshua G. Jomao-as	Nelly S. Aggangan	Nelly S. Aggangan	National Institute of Molecular Biology and Biotechnology, University of the Philippines Los Baños, College, Laguna 4031 Philippines	Response of Cacao (<i>Theobroma cacao</i> L.) to Biochars from Bamboo and Sugarcane Bagasse, and Biofertilizer

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ASD-032	Lea Mae S. Dela Cruz, Minerva Fatimae Ventolero and Mudjekeewis D. Santos	Mudjekeewis D. Santos	Mudjekeewis D. Santos	Scientist II, National Fisheries Research and Development Institute, Corporate 101 Bldg., Mo. Ignacia Ave., Brgy. South Triangle, Quezon City, Metro Manila 1103	Saving Mameng: A Scientific Approach Towards Sustainability Thru NDF
ASD-033	Danilda Hufana-Duran*, Matt Daniel Peralta, Emma V Venturina, Fe A Venturina, Peregrino G. Duran, PhD; Felomino V. Mamuad, Hernando V. Venturina, and John J. Parrish	Danilda Hufana-Duran	Danilda Hufana-Duran	Philippine Carabao Center, Science City of Munoz, Nueva Ecija	Selection of Water Buffalo Bulls by Sperm Nuclear Shape and Relationship to Sperm In Vitro Fertility and Computer Assisted Sperm Analysis

NO.	AUTHOR/S	MAJOR AUTHOR	PRESENTING AUTHOR	AFFILIATION	TITLE OF PAPER
ASD-034	Danilda Hufana-Duran1*, BSBio, MSc, PhD; Matt Daniel Peralta2, BSBio; Emma V Venturina2, BSChem, MSc; Fe A Venturina2, DVSM;; Peregrino G Duran1, BSA, MSc, PhD; Felomino V Mamuad1, BSA, MSc, PhD; Hernando V Venturina2, BSA, MSc; and John J. Parrish3, PhD.			1Philippine Carabao Center, Science City of Munoz, Nueva Ecija, 2Buffalo Bull Farm and Semen Processing Laboratory, Digdig, Carranglan, Nueva Ecija, 3University of Wisconsin-Madison, USA	Selection of Water Buffalo Bulls by Sperm Nuclear Shape and Relationship to Sperm In Vitro Fertility and Computer Assisted Sperm Analysis
ASD-035	Rico A. Marin, Michael Arie P. Medina, Joseph C. Paquit	Rico A. Marin	Rico A. Marin	College of Forestry and Environmental Science, CMU, Musuan, Bukidnon	Soil Erosion and Soil Carbon Assessment of an Adlay-based Farming System

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ASD-036	Christian D. Robillos, Hidelisa D. de Chavez, Norvie J. dela Cruz, Nina Julia L. Bautista, Dan Carlo N. Barrion, Nestor C. Altoveros, Terresita H. Borromeo, Catherine Hazel M. Aguilar, Leah E. Endonela, Renerio P. Gentallan Jr and Lorna E. Sister	Christian D. Robillos	Christian D. Robillos	1 Institute of Crop Science, College of Agriculture and Food Science, University of the Philippines Los Baños, 4031 College, Laguna 2 National Plant Genetic Resources Laboratory, Institute of Plant Breeding, College of Agriculture and Food Science, University of the Philippines Los Baños, 4031 College, Laguna	Unfolding Indigenous Flower Vegetables in the Philippines
ASD-037	Ana Mikaela B. Maravilla ¹ , Eunice M. Renovalles ² , Arvin S. Carpeno ¹ , Erwin P. Quillo ² , Primitivo Jose A. Santos ¹ , Evelyn F. Delfin ¹	Evelyn F. Delfin	Ana Mikaela B. Maravilla	1Institute of Plant Breeding, College of Agriculture and Food Science, 2Agricultural Machinery Division, Institute of Agricultural Engineering, College of Engineering and Agro-Industrial Technology, University of the Philippines Los Baños, Los Baños, Laguna 4031	Utilization of NDVI and Thermal Imaging in Detecting Water-Deficit Stress in Ten High-Yielding Sugarcane Varieties

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ASD-038	Nel Oliver B. Mateo, Aeron A. Ruazol, Apolonio M. Ocampo, Lovely Luar, Mirasol Pampolino, Ernesto delos Santos, Primitivo Jose A. Santos, Jesse Descalsota, Thomas Oberthur	Nel Oliver B. Mateo	Nel Oliver B. Mateo	Institute of Plant Breeding, CAFS, UPLB, College, Laguna 4031; International Plant Nutrition Institute, SEAP, IRRI, College, Laguna 4031	Validation and Comparative Yield Trial Using Nutrient Expert for Maize in Corn Production in the Philippines
ASD-039	Mario B. Agustin, Qurino D. Dela Cruz, Maribelle P. Astejada, Florida A. Domingo, Veronica A. Cinense	Mario B. Agustin	Maribelle P. Astejada	Aurora State College of Technology, Zabali, Baler, Aurora	Year-Round Performance of Inbred and Hybrid Rice Varieties as Affected by Different Locations and Planting Dates
DISEASES, PEST MANAGEMENT AND CONTROL					
ASD-040	Raymond Parcon, Margareth Del Isagan, Liezel Atole, Jessica Simbahan	Jessica F. Simbahan	Raymond H. Parcon	Institute of Biology, University of the Philippines, Diliman, Quezon City - A. Ma. Regidor St., National Science Complex, Diliman, Quezon City	A Narra leaf endophyte, <i>Bacillus amyloliquefaciens</i> , possesses antifungal activity against phytopathogenic fungi <i>Alternaria</i> sp., <i>Diaporthe</i> sp., and <i>Fusarium oxysporum</i>
ASD-041	Recelle A. Olmoges, Mellprie B. Marin	Recelle A. Olmoges	Mellprie B. Marin	Faculty, College of Agriculture, Central Mindanao University, Musuan, Bukidnon	Application of Plant Extracts to Control Major Diseases on Mungbean

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ASD-042	Kenneth S. Pagutayao, Mellprie B. Marin	Kenneth S. Pagutayao	Mellprie B. Marin	Faculty, College of Agriculture, CMU, Musuan, Bukidnon	Application of Potassium for the Management of Major Diseases on Sweet Corn
ASD-043	Rafael Jims C. Jariol, Mellprie B. Marin	Rafael Jims C. Jariol	Mellprie B. Marin	Faculty, College of Agriculture, Central Mindanao University, Musuan, Bukidnon	Bacillus subtilis for the Control of Damping-Off on Cavendish Banana Plantlets
ASD-044	Sarai Belino, Geanne Samantha Samia, Rocel Amor Indong	Sarai C. Belino	Geanne Samantha F. Samia	University of the Philippines Baguio 2600 Baguio City, Philippines	Biocontrol Activity of Foliar Endophytic Microbiome from Balatnao Black Rice against Xanthomonas oryzae
ASD-045	Fe M. Dela Cueva, Ann Fatima A. Benjamin, Mark Angel O. Belendres, Maricel C. Gonzales	Fe M. Dela Cueva	Ann Fatima A. Benjamin	Institute of Plant Breeding, CAFS-UPLB, College, Los Banos, Laguna	CLE-PCR: rapid and economical detection of Banana bunchy top virus (BBTV)
ASD-046	Margareth Del Isagan, Jessica Simbahan	Jessica F. Simbahan	Margareth Del E. Isagan	Institute of Biology, College of Science, University of the Philippines Diliman, Quezon City	Coconut water from mature fruit as an alternative liquid culture medium for Bacillus amyloliquifaciens, N2B2: Towards the development of a biofungicide
ASD-047	Mark Angelo O. Balendres, Rizalina L. Tiongco, Fe M. Dela Cueva	Mark Angelo O. Balendres	Mark Angelo O. Balendres	Institute of Plant Breeding, College of Agriculture and Food Science, University of the Philippines Los Baños, Laguna, Philippines 4031	Differentiating Ralstonia pseudosolanacearum from R. solanacearum by Combined Morpho- cultural Characterization and Microscopy

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ASD-048	Rachele L. De Torres, Fe M. Dela Cueva, Mark Angelo O. Balendres	Rachele L. De Torres	Rachele L. De Torres	Institute of Plant Breeding, College of Agriculture and Food Science, University of the Philippines Los Baños, College 4031, Laguna	Effect of Long-Term Storage and Host Exposure on the Aggressiveness and Virulence of Colletotrichum spp. from Chilli
ASD-049	Jay - Vee S. Mendoza, Fe M. Dela Cueva, Rachele de Torres, Mark Angelo O. Balendres	Jay - Vee S. Mendoza	Jay - Vee S. Mendoza	Institute of Plant Breeding, Univesity of the Philippines Los Banos Laguna	Effect of Pokkah Boeng Infection to the Yield of Local Sugarcane Varieties
ASD-050	Danny O. Alfonso, Xavier Greg I. Caguiat, Jonathan M. Niones, Marilyn C. Ferrer, Malvin D. Duldulao, and Gilely DC. Santiago	Gilely DC. Santiago	Danny O. Alfonso	Genetic Resources Division, Philippine Rice Research Institute, Crop Protection Division, Philippine Rice Research Institute, PhilRice, Maligaya, Science City of Muñoz, Nueva Ecija, 3119	Evaluation of Rice Germplasm Against Brown Planthopper (<i>Nilaparvata lugens</i> Stål) and Green Leafhopper (<i>Nephotettix virescens</i> Distant)
ASD-051	Fe M. Dela Cueva, Rizalina L. Tiongco, Jayvee S. Mendoza, Mark Angelo O. Balendres	Fe M. Dela Cueva	Rizalina L. Tiongco	Institute of Plant Breeding, College of Agriculture and Food Science, University of the Philippines Los Baños, Laguna, Philippines 4031	Identificatiion of a Fungal Pathogen Causing Postharvest Anthracnose in Banana Fruits cv. Cavendish

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ASD-052	Rubigilda Paraguison-Alili, Renmar M. Dela Cruz, Ellen S Romero, Celynne O. Padilla, Aileen M. Elegado	Rubigilda P. Alili	Rubigilda P. Alili	Central Luzon State University, Science City of Munoz and Nueva Ecija University of Science and Technology, Cabanatuan City, Philippines	Molecular Phylogenetics and the Prepatent Period Detection of Tomato Leaf Curl Virus (ToLCV)
ASD-053	Niño R. Laurel, Teresita U. Dalisay, Fe M. Dela Cueva	Niño R. Laurel	Niño R. Laurel	Institute of Plant Breeding, College of Agriculture and Food Science, University of the Philippines Los Baños, College 4031, Laguna	Morpho-Cultural and Genetic Characterization of Philippine Isolates of Colletotrichum gloeosporioides Causing Mango Anthracnose
ASD-054	Evangeline S. Galacgac, Leticia A. Lutap, Cristopher Sacupaso	Evangeline S. Galacgac	Evangeline S. Galacgac	Mariano Marcos State University, Batac, Ilocos Norte	Phenological events and purple blotch (<i>Alternaria porri</i>) incidence of different varieties of garlic under Ilocos Norte condition
ASD-055	Shana F. Genavia, Mary Beth B. Maningas	Shana F. Genavia	Shana F. Genavia	The Graduate School; Research Center for the Natural and Applied Sciences, University of Santo Tomas, Manila	Toll3-induced Signalling Pathway in <i>Penaeus vannamei</i> responds to white spot syndrome virus infection
ASD-056	Alecsis G. Villarin, Leticia A. Lutap, Jonathan R. Ramos	Alecsis G. Villarin	Alecsis G. Villarin	Mariano Marcos State University, City of Batac, Ilocos Norte	Verification of the Developed Pest Management Products For Vegetable Production Using Different Fertilizer Management Scheme

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FISHERIES, MARITIME CULTURE AND MANAGEMENT					
ASD-057	Maria Theresa M. Mutia, Frederick B. Muyot, Myleen L. Magistrado, Janet Baral, Christie Taglorin, Ma. Lourdes Merilles, Ismael Targa	Maria Theresa M. Mutia	Maria Theresa M. Mutia	National Fisheries Research and Development Institute-Freshwater Fisheries Research and Development Center, Butong, Taal, Batangas	Advances in the Development of Maliputo (<i>Caranx ignobilis</i>) Seed Production Technology in the Philippines: Larval Diet and Stocking Density
ASD-058	Frederick B. Muyot*, Maria Theresa M. Mutia, Margielyn J. Muñez	Frederick B. Muyot*	Frederick B. Muyot*	National Fisheries Research and Development Institute, Corporate 101 Bldg., Mother Ignacia Ave., South Triangle, Quezon city	Analysis of traded marine ornamental fish in the Philippines: occurrence and sustainability
ASD-059	Nonita S. Cabacaba, Ma. Theresa Salamida	Nonita S. Cabacaba	Nonita S. Cabacaba	National Fisheries Research and Development Institute – National Marine Fisheries Research and Development Center (NFRDI-NMFRDC) Brgy. Sto. Nino, Guiuan, Eastern Samar	Assessment of the Spiny Lobster in the Eastern Visayas, Philippines
ASD-060	Nonita S. Cabacaba, Ed-Marie B. Boiser	Nonita S. Cabacaba	Ed-Marie B. Boiser	National Fisheries Research and Development Institute – Marine Fisheries Research and Development Center (NFRDI-MFRDC), Brgy. Sto. Nino, Guiuan, Eastern Samar	Breeding and Larval Rearing of Asian Moon Scallop <i>Amusium pleuronectes</i> in Guiuan, Eastern Samar, Philippines

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ASD-061	Bryan E. Tanyag, Karl Bryan S. Perelonia, Flordeliza D. Cambia, Ulysses M. Montojo	Bryan E. Tanyag	Bryan E. Tanyag	National Fisheries Research and Development Institute, Corporate 101 Mother Ignacia Ave., South Triangle, Quezon City	Ciguatera in the Philippines: examining reef fish vectors and its causative benthic dinoflagellates in Visayan and Sibuyan Seas
ASD-062	Sherwin Santos, Gilda Joannah Calderon, Mudjekeewis Santos	Sherwin B. Santos	Sherwin B. Santos	National Fisheries Research and Development Institute	Development of Database System for Fisheries Vulnerability Assessment Tool (FishVool)
ASD-063	Marvin L. Tobias, Valeriano M. Borja, Norvida C. Gatdula, Elsa F. Furio, and Renalyne P. Acosta	Marvin L. Tobias	Marvin L. Tobias	National Fisheries Research and Development Institute Corporate 101 Building, Mother Ignacia St., Barangay South Triangle, Quezon City	Distribution and abundance of Ichthyoplankton in Lagonoy Gulf in Relation to Oceanographic Conditions
ASD-064	Faith Loraine Magbanua, Ma. Theresa T. Oclos, Fiona Pedroso, Ma. Jodecel Danting, Joyce Hilario	Casiano H. Choresca Jr.	Faith Loraine T. Magbanua	Bureau of Fisheries and Aquatic Resources National Freshwater Fisheries Technologist Center, Science City of Muñoz, Nueva Ecija National Fisheries Research and Development Institute, Fisheries Biotechnology Center, Science City of Muñoz, Nueva Ecija Institute of Aquaculture, College of Fisheries and Ocean Sciences, University of the Philippines Visayas, Iloilo	Efficacy of Different Hormones in Induce Spawning of Mudfish, <i>Channa striata</i>

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ASD-065	Marvin L. Tobias, Ellaine C. Jose, Rizza Mae T. Bugtong. Jezzalyn Gloria R. Barral, Renalyne P. Acosta, Valeriano M. Borja, Norvida C. Gatdula, and Elsa F. Furio	Marvin L. Tobias	Marvin L. Tobias	National Fisheries Research and Development Institute Corporate 101 Building, Mother Ignacia St., Barangay South Triangle, Quezon City	Factors Affecting Composition, Distribution and Abundance of Ichthyoplankton in Manila Bay
ASD-066	Adonis P. Bendaño, Marco A. Perez, Francisco Torres Jr., Valeriano M. Borja, Ellaine C. Jose, Elsa F. Furio and Grace V. Lopez	Adonis P. Bendaño	Adonis P. Bendaño	National Fisheries Research and Development Institute, Corporate 101 Building, Mother Ignacia Avenue, South Triangle, Quezon City	Fish Composition and Biomass Structure in Relation to Phytoplankton and Zooplankton Assemblages in Manila Bay, Philippines
ASD-067	Joyce Hilario, Casiano Choresca Jr.PhD, Ma. Jodecel Danting, MSc, Faith Loraine Magbanua, Melvin Oclos, Ma. Theresa Oclos, MSc	Ma. Theresa T. Oclos	Joyce A. Hilario	National Fisheries Research and Development Institute, Fisheries Biotechnology Center, Science City of Muñoz, Nueva Ecija Bureau of Fisheries and Aquatic Resources National Freshwater Fisheries Technology Center, Science City of Muñoz, Nueva Ecija	Growth response of Glass eels, <i>Anguilla</i> sp. fed with Different Diets in Captivity

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ASD-068	Ma. Thersa T. Oclos, Casiano H. Choresca Jr., Elsa F. Furio, Gemerlyn G. Garcia, Christine Grace P. Casas, Angelie A. Gente	Ma. Theresa T. Oclos	Ms. Christine Grace Ca-as	National Fisheries Research and Development Institute, Fisheries Biotechnology Center, Science City of Muñoz, Nueva Ecija, (044) 940-7157, fisheries.biotech@gmail.com Central Luzon State University- College of Veterinary Medicine (CLSU-CVM)	Molecular Identification of Nematodes in Rabbitfish (<i>Siganus guttatus</i>) from selected cage cultured areas in the Philippines
ASD-069	Jin Kevin Dionisio, Nicko Amor Flores, Francisco Torres, Jr. and Mudjekeewis D. Santos*	Jin Kevin Dionisio	Jin Kevin Dionisio	National Fisheries Research and Development Institute, Corporate 101, Mother Ignacia St, South Triangle, Quezon City	National Stock Assessment Program (NSAP): Interactive Atlas of Philippine Marine Capture Fisheries Using A Web-based Geographic Information System (GIS)
ASD-070	Nicko Amor Flores, Jin Kevin Dionisio, Francisco Torres Jr., and Mudjekeewis Santos	Nicko Amor L. Flores	Nicko Amor L. Flores	National Fisheries Research and Development Institute, Quezon City, Philippines	National Stock Assessment Program: Exploitation Rates of Selected Fish Species in Various Fishing Grounds in the Philippines Using 2016 Baselines and Average Catch Per Unit Effort 2014-2016
ASD-071	Grace DV. Lopez, Eleanor L. Rivera, Francisco SB. Torres Jr., and Mudjekeewis D. Santos	Grace DV. Lopez	Eleanor L. Rivera	Captured Fisheries Research and Development Division Bureau of Fisheries and Aquatic Resources (BFAR) - National Fisheries and Development Institute (NFRDI) Corporate 101 Mother Ignacia Ave., South Triangle Quezon City: 1100.	Reproductive Biology of Japanese thread fin bream, <i>Nemipterus japonicus</i> (Bloch, 1791) in Manila Bay, Philippines

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ASD-072	Nonita S. Cabacaba, Kimberly A. Badocdoc	Nonita S. Cabacaba	Nonita S. Cabacaba	National Fisheries Research and Development Institute – National Marine Fisheries Research and Development Center (NFRDI-NMFRDC) Brgy. Sto. Nino, Guiuan, Eastern Samar	Seed production and Grow-out Culture of the Blue Swimming Crab <i>Portunus pelagicus</i>
ASD-073	Nonita S. Cabacaba, Cristan Joy M. Campo	Nonita S. Cabacaba	Cristan Joy M. Campo	National Fisheries Research and Development Institute – Marine Fisheries Research and Development Center (NFRDI-MFRDC)	Seed Production and Preliminary Trial on Grow-out Culture of the Sea Cucumber <i>Holothuria scabra</i> in Eastern Samar, Philippines
ASD-074	Casiano Choresca Jr., Ma. Theresa Oclos, Elsa Furio, Sonia Somga, Dennis Gomez, Sharmen Berlin, Johan Michael Arnaiz, Jean Ellice Roy	Casiano H. Choresca, Jr.	Jean Ellice Roy	1 National Fisheries Research and Development Institute, Fisheries Biotechnology Center, BFAR-NFFTC, CLSU Compound, Science City of Muñoz, Nueva Ecija [(044) 940-7157, fisheries.biotech@gmail.com] 2 Bureau of Fisheries and Aquatic Resources - National Fisheries Laboratory Division, Diliman, Quezon City 3College of Fisheries and Aquatic Sciences, Iloilo State College of Fisheries, Tiwi, Barotac Nuevo, Iloilo	Semi-nested RT-PCR detection of tilapia lake virus (TiLV) in hatchery reared tilapia (<i>Oreochromis niloticus</i>) fingerlings with no clinical signs

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ASD-075	Rizza Mae T. Bugtong, Elsa F. Furio, Valeriano M. Borja, Norvida C. Gatdula, Marvin L. Tobias, Ellaine C. Jose, Jezzalyn Gloria R. Barral	Rizza Mae T. Bugtong	Rizza Mae T. Bugtong	National Fisheries Research and Development Institute, Corporate 101 Building, Mother Ignacia Street, South Triangle, Quezon City	Spatial and Temporal Variations of Eutrophication in Manila Bay from 2017 to 2018
ASD-076	Jezzalyn Gloria R. Barral, Elsa F. Furio, Valeriano M. Borja, Norvida C. Gatdula, Ellaine C. Jose, Rizza Mae T. Bugtong, and Marvin Tobias	Jezzalyn Gloria R. Barral	Jezzalyn Gloria R. Barral	National Fisheries Research and Development Institute, Corporate 101 Building Mother Ignacia St., South Triangle, Quezon City	Spatio-Temporal Distribution of Heavy Metals (Pb, Cd, and Hg) and Hydrogen Sulfide (H ₂ S) in Manila Bay from 2017-2018
ASD-077	Mariel V. Marjes, Luster John M. Tan	Mariel V. Marjes	Mariel V. Marjes	Southern Luzon State University, Quezon Ave., Lucban, Quezon 4328	Species Composition, Abundance, Diversity and Distribution of Marine Phytoplankton in Tayabas Bay and Lamon Bay, Philippines
ASD-078	Maria Theresa M. Mutia, Myla C. Muyot, Andreah Kate M. Orlina, Maria Teresa M. Alcazar	Maria Theresa M. Mutia	Andreah Kate M. Orlina	National Fisheries Research and Development Institute (NFRDI), 101 Corporate Bldg., Mother Ignacia Avenue, Quezon City	Status of Taal Lake Capture Fisheries with Emphasis on <i>Sardinella tawilis</i> (Herre, 1927)

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ASD-079	Celestina Q. Jumawan, Ephrime B. Metillo, Waljohn W. Mainit	Celestina Q. Jumawan	Celestina Q. Jumawan	National Fisheries Research and Development Institute - Brackishwater Fisheries Research and Development Center	Stock assessment of Arius maculatus (Thunberg, 1792) (Ariidae, Siluriformes)
ASD-080	Celestina Q. Jumawan, Ephrime B. Metillo, Ma. Theresa Mutia, Waljohn W. Mainit, Jinny Intervencion	Celestina Q. Jumawan	Celestina Q. Jumawan	National Fisheries Research and Development Institute - Brackishwater Fisheries Research and Development Center	Stock assessment of Arius maculatus (Thunberg, 1792) (Ariidae, Siluriformes) and Stock assessment of Commercially Important Invertebrates in Panguil Bay Northwestern Mindanao
ASD-081	Gilda Joannah Calderon, Sherwin B. Santos, Mudjekeewis Santos	Mudjekeewis D. Santos	Gilda Joannah A. Calderon	National Fisheries Research and Development Institute- 101 Corporate bldg. Mother Ignacia Avenue Quezon City	Vulnerability Assessment of Selected Fishery Sectors in the Philippines using FishVool
FOOD PROCESSING AND POST HARVEST PHYSIOLOGY					
ASD-082	Jezzah Kris Angon, Alex Gadiane Jr., Charles Roy Medellada, Esmael Larubis, Joed Layna	Jezzah Kris Angon	Jezzah Kris Angon	La Salle University, Ozamiz City Carangan, Ozamiz City	A Comparative Study on the Nutritive Content of Banana Flesh and Banana Peel Ice Cream

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ASD-083	Alma De Leon, Judith Antonino, Joan Marie Castillo, Kathlene Claire Ganareal, Geraldine Gantioque, Joel Juvinal, Hannah Grace Pestaño, Jessica Rustia, Joel Villaruel, Minerva Maylem	Alma A. De Leon	Alma A. De Leon	Central Luzon State University	A Study On The Market Potential For Processed Goat Meat (Chevon) Products
ASD-084	Venus Quines, Armilyn Delos Reyes, Hayley Marslench Francisco, Irish Pearl Miranda	Armilyn P. Delos Reyes	Venus C. Quines	Department of Food Science and Technology, Central Luzon State University, Science City of Muñoz, Nueva Ecija 3120	Acetic Acid Fermentation of Acacia (Samanea saman) Pods: Conventional vs. Aerated
ASD-085	Joel Juvinal1*, Geraldine Gantioque1, Monaliza Briones1, Princess Jazmin1, Beejay Pajarillaga1, May Villaviza1, Andres Tuates2	JOEL G. JUVINAL	GERALDINE G. GANTIOQUE	Central Luzon State University, Science City of Munoz, Nueva Ecija	Biodegradable Film From Wild Taro (Colocasia esculenta (L.) Schott) Starch
ASD-086	Samuel S.Franco and Sherwin B. Bartolome	Samuel S. Franco	Samuel S. Franco	Mariano Marcos State University, City of Batac, 2906, Ilocos Norte	Bulk Storage System of Ilocos Garlic

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ASD-087	Luzviminda Ann Sazon, Speedy Crisostomo, Mary Ann Abustan, Mariecris Mendoza, Edwin Del Rosario	Luzviminda Ann R. Sazon	Luzviminda Ann R. Sazon	Institute of Plant Breeding, College of Agriculture and Food Science, UP Los Banos, College Laguna	Cassava: not just your ordinary source of carbohydrates
ASD-088	Francine Nicole L. Leyva, Cyrus Junior Maceda, Loren Christian T. Castigador, Angela Mae B. Maximo, Ma. Gabrielle Marcelo, Dwight Krystienne O. Pineda, Oliver James T. Orcullo	Francine Nicole L. Leyva	Francine Nicole L. Leyva	Manila Tytana Colleges, Pres. Diosdado Macapagal Blvd., Metropolitan Park, Pasay City, Manila	Development of Linear Optimized Fiber-rich Biscuits using Corn Husk Powder
ASD-089	Joel Juvinal*, Verna Corpuz, Jenny Fortuna, Jianessa Santiago	Joel G. Juvinal	Geraldine G. Gantioque	Central Luzon State University, Science City of Munoz, Nueva Ecija 3120	Development Of Low-calorie Dark Chocolate Bars From Philippine Cacao
ASD-090	Geraldine Gantioque*, Angenica Gandia, Rose-Ann Gervacio, Maybelle Magatalas	Geraldine G. Gantioque	Geraldine G. Gantioque	Central Luzon State University, Science City of Munoz, Nueva Ecija 3120	Effect Of Food Additives On The Quality Of Yacon (Smallanthussonchifolus) Syrup

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ASD-091	Geraldine Gantioque*, Angenica Gandia, Rose-Ann Gervacio, Maybelle Magatalas, Froilan Bernard Matias	Geraldine G. Gantioque	Geraldine G. Gantioque	Central Luzon State University, Science City of Munoz, Nueva Ecija 3120	Effect of Yacon (<i>Smallanthus sonchifolus</i>) Syrup On The Bioactivity of BALB/c Mice
ASD-092	Shirley G. Cabrera, Xu Zhimin	Shirley G. Cabrera	Shirley G. Cabrera	Batangas State University	Evaluation and Characterization of Properties of Palm (<i>Corypha elata</i> Roxb.) Sugar
ASD-093	Speedy Crisostomo, Mary Ann Abustan, Luzviminda Ann Sazon	Speedy D. Crisostomo	Speedy D. Crisostomo	Institute of Plant Breeding, College of Agriculture and Food Science, UP Los Baños, College, Laguna	Evaluation of postharvest physiological deterioration and yield of different cassava (<i>Manihot esculenta</i> Crantz) genotypes
ASD-094	Donna Trixia O. de Jesus ¹ , Ernesto J. del Rosario ² , Pablito M. Magdalita ^{*3} and Edralina P. Serrano ⁴			1Former student, Institute of Chemistry, College of Arts and Sciences, 2Institute of Chemistry, College of Arts and Sciences, 3Institutes of Crop Science and Plant Breeding College of Agriculture and Food Science and 4Postharvest Research and Training Center, College of Agriculture and Food Science, University of the Philippines Los Baños, Los Baños, Laguna	Fruit Ripening Behaviour of Three PRSV-Tolerant Papaya Varieties Revealed by Digital Photometry and Physico-Chemical Analyses

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ASD-095	Honey Grace Conception G. Mamolang, Ma. Grace L. Manzanida, Mariero H. Gawat and Marynold V. Purificacion	Honey Grace Conception G. Mamolang	Marynold V. Purificacion	College of Food Nutrition and Dietetics, Laguna State Polytechnic University, Los Baños, Laguna and Institute of Plant Breeding, University of the Philippines Los Baños, College Laguna	General Acceptability and Nutritional Composition of Sweet Potato (<i>Ipomoea batatas</i>) Flour for Pasta Making
ASD-096	Elizabeth H. Arenas, Patricia Bea S. Concepcion, Colleen M. Dionisio, Anne Keitley Marie P. Lichauco, Isabelle Nadine P. Miguel, Joshua Gabriel O. Samiley, Rachel J. Sia	Elizabeth H. Arenas	Elizabeth H. Arenas	Department of Food Technology, College of Education, University of Santo Tomas, España Manila Philippines 1015	Influence of Drying Temperature on the Antioxidant Activity, Bioactive Compounds and Functional Properties of Pili (<i>Canarium ovatum</i> Engl.) Pomace
ASD-097	Rich Kevin C. Motol, Clarisse A. Espineli, Charlene May V. Tapit, Cristina E. Tiangco	Cristina E. Tiangco	Rich Kevin C. Motol	Department of Chemical Engineering, University of Santo Tomas	Optical Sensor for Volatile Organosulfides for the detection of spoilage in Garlic based on Silver Nanoparticle
ASD-098	May Villaviza*, Aira Camille Ramos, Carlo Castillo, Renee Rivera		May Villaviza	Central Luzon State University Science City of Munoz Nueva Ecija College of Home Science and Industry, Department of Food Science and Technology Email: ;	Optimization of All-in-one Seasoning using Natural Herbs and Spices

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ASD-099	Geraldine Gantioque*, Elyss Santiago, Christine Taganap, Jhomar Valerio, Rosaly Manaois, Amelia Morales	Geraldine G. Gantioque	Geraldine G. Gantioque	Central Luzon State University, Science City of Munoz, Nueva Ecija 3120	Optimization of Taro (<i>Colocasia esculenta</i>) and Rice (<i>Oryza sativa</i> L.) as Flour in the Production of Premix by D-Optimal Mixture Design
ASD-100	Jessica Rustia, Maricar Cristobal, Kimberly Claire Manuel, Hyacenth Sumigcay	Jessica M. Rustia	Jessica M. Rustia	Central Luzon State University Science City of Munoz, Nueva Ecija	Processing of Instant Arroz Caldo from Organic Aromatic Rice (<i>Oryza sativa</i> L.)
ASD-101	Arielle Marie Lagaña, Hyacinth Pangan, Christopher V. Pante	Arielle Marie Lagaña	Christopher Pante	Food Technology Department, Polytechnic University of the Philippines. PUP Sta. Mesa, Manila	Quality Evaluation of Gluten-Free Loaf Bread made with Sweet Potato Flour, Corn Meal, and Rice Flour
ASD-102	Alfer Palongpalong, Jasper Cabanday, Deza Mae Valero, Chiedel Joan San Diego, Joed Layna	Alfer Palongpalong	Joed Layna	La Salle University, Ozamiz City	Roasted Local Fruit Seeds in Misamis Occidental: A 0% Caffeine Coffee Alternative

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ASD-103	Angelo Joshua E. Carpio, Salve Lyan C. Negrillo, Mariero H. Gawat and Marynold V. Purificacion	Angelo Joshua E. Carpio	Marynold V. Purificacion	College of Food Nutrition and Dietetics, Laguna State Polytechnic University, Los Baños, Laguna and Institute of Plant Breeding, University of the Philippines Los Baños, College Laguna	Sensory Evaluation and Nutritional Composition of Cereal Drink Made from Popped and Roasted Sorghum (Sorghum bicolor) Grains
ASD-104	Jessa Lee Aballe, Kaisey Jien Marion Daloyoc, Ma. Darielle Lou Jomuad, Esmael Larubis, Joed Layna	Jessa Lee Aballe	Kaisey Jien Marion Daloyoc	La Salle University, Ozamiz City T. Cebedo Extension, Aguada, Ozamiz City	Sensory Evaluation Of Calabash Ice Cream Fortified With Natural Prebiotics
ASD-105	Jessica Rustia, Madel Galang, Ma. Cristina Gragasin, Rica Rose Hernandez, Jelly Pariñas	Jessica M.Rustia	Jessica M.Rustia	Central Luzon State University Science City of Munoz, Nueva Ecija	Utilization of Mango Pectin in Processing of Fruit-Flavored Soymilk and Soy-Based Yogurt
ASD-106	Sophiya Delloso, Marchelita Tappy, Teejay Malabonga, Maribel Balagtas, Miriam Estrada, Gladys Laborde, Ruchel Oasan	Sophiya Delloso, Marchelita Tappy, Teejay Malabonga	Maribel C. Balagtas	Adventist University of the Philippines, Puting Kahoy, Silang, Cavite	Development of Instant Sinigang Powder from Katmon Fruit (Dillenia philippinensis)

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ASD-107	Johnson Llagas, John Jayson Datoy, Patricia Dela Cerna, Gladys Mae Laborde*, Miriam Estrada, Maribel Balagtas	Johnson Llagas, John Jayson Datoy, Patricia Dela Cern	Gladys Mae Laborde	Adventist University of the Philippines, Puting Kahoy, Silang, Cavite	Development of Power Vegan Cupcake
ASD-108	Blessie Xuxa Fronda, Mariannie Gamboa, John David Zabala, Ruchel Oasan*	Blessie Xuxa Fronda, Mariannie Gamboa, John David Zabala,	Ruchel Oasan	Adventist University of the Philippines, Puting Kahoy, Silang, Cavite	Development of Vegetable Marmalade Using Okra's (<i>Abelmoschus esculentus</i>) Mucilage
ASD-109	Riza G. Abilgos-Ramos, El SHaira A. Labargan, Amelia V. Morales	Riza G. Abilgos-Ramos	El Shaira A. Labargan	PhilRice Maligaya, Sciene City of Muñoz, 3119 Nueva Ecija Philippines	Rice-Based Complementary Food: Providing nutrition from sixth month of life
GENETIC RESOURCES, PLANT BREEDING AND GENETICS					
ASD-110	Rebecca P. Hernandez, Teresita H. Borromeo, Ann Mylalulex A. Magnaye, Katrina B. Malabanan-Bauan, Renerio P. Gentallan, Jr.	Rebecca P. Hernandez	Rebecca P. Hernandez	Institute of Crop Science, College of Agriculture and Food Science, University of the Philippines Los Baños	Agronomic and grain quality analysis of gamma irradiated rice (var 'Azucena') at M4
ASD-111	Mary Ann Abustan, Mariecris Mendoza, Luzviminda Ann Sazon, Edwin del Rosario	Mary Ann Abustan	Mary Ann Abustan	Institute of Plant of Plant Breeding, College of Agriculture and Food Sciences, UP Los Banos, College Laguna	Assessment of yield and hydrocyanic acid of cassava hybrids

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ASD-112	John Oscar S. Enriquez, Jenna Mae C. Biendima, Kristine Grace D. Waing, Joanne D. Caguiat	John Oscar S. Enriquez	John Oscar S. Enriquez	Plant Breeding and Biotechnology Division, Philippine Rice Research Institute, Maligaya, Science City of Muñoz, Nueva Ecija 3119	Detecting Admixtures in Hybrid Rice Varieties through Molecular Marker Technology
ASD-113	Natasha Ellaine Q. Quiapan, Helen LV. Ebuña	Natasha Ellaine Q. Quiapan	Helen LV. Ebuña	Department of Agronomy and Plant Breeding, College of Agriculture Central Mindanao University, Musuan, 8710 Bukidnon	Drought Stress Tolerance of Commercial Sweet Corn Genotypes
ASD-114	Rodel G. Maghirang, Jennelyn C. Bengoa, Jiamy Jae R. Apacionado and Gloria S. Rodulfo	Rodel/ G/ Maghirang	Jennelyn/ C/ Bengoa	Institute of Plant Breeding	Effect of Pollination Method on Seed Setting of 'Batanes' Shallot
ASD-115	Loise Sharmaine N. Arcillas, Evelyn F. Delfin, Kristelle R. Tanaka, Elmer E.	Elmer E. Enicola	Loise Sharmaine N. Arcillas	Institute of Plant Breeding, College of Agriculture and Food Science, University of the Philippines Los Banos, 4031 College, Laguna, Philippines	Evaluation of Mungbean Genotypes with Tolerance to Post-emergence Wateloggng
ASD-116	Jaec C. Santiago, Xavier Greg I. Caguiat, Jonathan M. Niones, Keith Marielle B. Guarin, Nerissa D. Santiago, Juliet P. Rillon, Pernalyn S. Torreña	Xavier Greg I. Caguiat	Jaec C. Santiago	Genetic Resources Division, Philippine Rice Research Institute, Crop Protection Division, Philippine Rice Research Institute, PhilRice-Midsayap, Philippine Rice Research Institute, Maligaya, Science City of Muñoz, Nueva Ecija, 3119	Evaluation of Rice Germplasm Against Major Diseases

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ASD-117	Melvin S. Andres, Raymond E. Rahon* and Dionisio S. Bucao*			Mariano Marcos State University, City of Batac, Ilocos Norte	Evaluation of Sahod Ulan Rice Varieties as Affected by Nitrogen Management and Carrageenan Plant Growth Regulator Under Rainfed Lowland Ecosystem
ASD-118	Lena Q. Nagaosa, Jerandel M. Gaspar, Ma Salome V. Duca, Dindo King M. Donayre	Lena Q. Nagaosa	Dindo King M. Donayre	Nueva Ecija High School, Cabanatuan City; Philippine Rice Research Institute Central Experiment Station, Maligaya, Science City of Muñoz, 3119 Nueva Ecija	Extracts of Makahiya and Lantana Plants: Effective against Bacterial Leaf Blight Disease of Rice
ASD-119	Mary Valerie G. Embate, Teresita H. Borromeo, Jose E. Hernandez and Pompe C. Sta Cruz	Mary Valerie G. Embate	Mary Valerie G. Embate	University Research Associate II Institute of Crop Science, College of Agriculture University of the Philippines Los Baños	Genetic Diversity Assessment of Fifty Pigmented Philippine Traditional rice (<i>Oryza sativa</i> L.) Varieties Using Agromorphological Traits
ASD-120	Mary Ann M. Rañeses, Xavier Greg I. Caguiat, Marilyn C. Ferrer, Jaec C. Santiago, Danny O. Alfonso	Mary Ann M. Rañeses	Mary Ann M. Rañeses	Genetic Resources Division, Philippine Rice Research Institute, Science City of Muñoz, Nueva Ecija	Genetic Diversity of <i>Oryza</i> Species in the Philippines
ASD-121	Rica Amor Saludares, Glenn Gregorio, Ma. Genaleen Diaz, and Tonette Laude	Rica Amor G. Saludares	Rica Amor G. Saludares	Institute of Crop Science, College of Agriculture, University of the Philippines Los Baños, College 4030, Laguna, Philippines	Genetic Diversity of Selected Philippine White Corn Germplasm

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ASD-122	Jayson L. Gandia, Evelyn F. Delfin	Evelyn F. Delfin	Jayson L. Gandia	Institute of Plant Breeding, College of Agriculture, University of the Philippines Los Baños	Greenhouse Screening of High Yielding Sugarcane Varieties for Waterlogging Tolerance and Effect of Nodal Position in Germination Response
ASD-123	Paulina J. Alvaran, Marcial A. Gonzales	Paulina/J./Alvaran	Paulina/J./Alvaran	Central Luzon, State University, Science City of Muñoz, Nueva Ecija	Heterosis Estimation for Yield and Yield Components in Aromatic Rice
ASD-124	Joanne D. Caguiat*, Frodie P. Waing, Jasmin II C. Santiago, Dindo A. Tabanao and Oliver E. Manangkil	Joanne D. Caguiat	Joanne D. Caguiat	Plant Breeding and Biotechnology Division, Philippine Rice Research Institute, Maligaya, Science City of Muñoz, Nueva Ecija	Improving the Biotic Resistance of NSIC Through Gene Stacking
ASD-125	Christopher Q. Capito, Helen LV. Ebuna	Christopher Q. Capito	Helen LV. Ebuna	Department of Agronomy and Plant Breeding, College of Agriculture Central Mindanao University, Musuan, 8710 Bukidnon	Morpho-Physiological Characterization and Floral Biology of Different Hot Pepper (<i>Capsicum</i> spp.) Genotypes
ASD-126	Joy M. Jamago, Ma. Joverly M. Abello, Kristoffer M. Sulatorio, Lowell G. Aribal	Joy M. Jamago	Ma. Joverly M. Abello	Faculty member, Department of Horticulture, College of Agriculture, Central Mindanao University, University Town, Musuan, Bukidnon	Neglected and underutilized fruit, vegetable, spice and root crop species of Bukidnon

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ASD-127	Maybell DM. Banting, Thelma F. Padolina, Emily C. Arocena, Jose A.Orcino, Rustom C. Braceros, Arlen A. dela Cruz, Ma. Johna C. Duque, Gloria M. Osoteo, Pinklet Athena C. Canilang, Julieta F. Pariñas, Wilhelmina V. Barroga, Joselito M. Dancel, Juliet P. Rillon, Gilely C. Santiago, Evelyn H. Bandonill, Thelma A. Alegado, and Oliver E. Manangkil	Maybell D.M. Banting	Maybell D.M. Banting	Plant Breeding and Biotechnology Division, Philippine Rice Research Institute, Maligaya, Science City of Muñoz, 3119 Nueva Ecija	PhilRice developed NSIC Rc 440 (Tubigan 39) rice variety recommended nationally for irrigated lowland ecosystem
ASD-128	Franz Marielle Nogoy, Yu Jin Jung, Kwon-Kyoo Kang, Yong-Gu Cho	Franz Marielle Nogoy	Franz Marielle Nogoy	Department of Crop Science, College of Agriculture, Central Luzon State University, Science City of Muñoz, Nueva Ecija, Philippines 3120 Department of Crop Science, Chungbuk National University, Cheongju 28644, Korea Department of Horticulture, Hankyong National University, Ansong 17579, Korea	Physico-chemical characterization and transcriptome analysis of 5-methyltryptophan resistant lines at different developing stages of rice

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ASD-129	Mark Ian C. Calayugan, Teresita H. Borromeo, Jose E. Hernandez, Nestor C. Altoveros, Amery Amparado, Mary Annie Inabangan-Asilo, B.P. Mallikarjuna Swamy	Mark Ian C. Calayugan	Mark Ian C. Calayugan	University Research Associate 1, Crop Breeding and Genetic Resources Division, Institute of Crop Science, College of Agriculture, University of the Philippines Los Baños (UPLB), 4031 College, Laguna, Philippines	QTL by Environment Interaction Analysis for Grain Zinc Concentration in Two Recombinant Inbred Populations of Rice (<i>Oryza sativa</i> L.)
ASD-130	Menisa A. Antonio, Evangeline S. Galacgac, Rodel T. Utrera	Menisa A. Antonio	Menisa A. Antonio	Mariano Marcos State University, Batac, Ilocos Norte	Rediscovering the Indigenous Vegetable <i>Broussonetia luzonica</i> (Alokon) towards Enhancing its Potential for Food and Nutrition
ASD-131	Emmanuel Bonifacio S. Timog, Leah E. Endonela, Nestor C. Altoveros, Teresita H. Borromeo and Renerio P. Gentallan Jr.	Emmanuel Bonifacio S. Timog	Emmanuel Bonifacio S. Timog	Crop Breeding and Genetic Resources Division, Institute of Crop Science, College of Agriculture and Food Science, University of the Philippines Los Baños, College, Laguna	Seed Morphological Characteristics, Desiccation Tolerance and Seedling Development of Pili (<i>Canarium ovatum</i> Engl.)
ASD-132	Cielo Luz C. Mondejar, Genaro O. San Valentin	Cielo Luz C. Mondejar	Cielo Luz C. Mondejar	Philippine Rice Research Institute - Negros Branch Station, Cansilayan, Murcia, Negros Occidental	Spore Production and Growth Rate of Ten <i>Azolla</i> Hybrids

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ASD-133	Ma. Winelma M. Garcia, Glenn B. Gregorio, Allan N. Soriano, Lemmuel L. Tayo, and Adonis P. Adornado	Ma. Winelma M. Garcia	Allan N. Soriano	<p>Search and Documentation Division, Documentation, Information and Technology Transfer Bureau, Intellectual Property Office of the Philippines, 28 Upper McKinley Rd., Taguig City, 1634</p> <p>School of Chemical, Biological, and Materials Engineering and Sciences, Mapúa University, 658 Muralla St, Intramuros, Manila, 1002</p> <p>Agricultural Sciences Division, National Academy of Science and Technology – Philippines, Science Heritage Bldg., DOST Complex, General Santos Ave, Taguig, 4044</p>	Varietal Differences of Inbred Lowland Irrigated Modern Rice Cultivar “Tubigan”
ASD-134	Jonathan R. Ramos, Leticia A. Lutap, Alecsis G. Villarin, Miriam E. Pascua	Jonathan R. Ramos	Jonathan R. Ramos	Mariano Marcos State University, City of Batac, Ilocos Norte	Varietal Improvement of Eggplant