

**LIST OF ABSTRACTS FOR SCIENTIFIC POSTERS PRESENTATION**

*39th Annual Scientific Meeting; 12-13 July 2017*

**AGRICULTURAL SCIENCES (AS)**

No.	AUTHOR/S	MAJOR AUTHOR	PRESENTING AUTHOR	TITLE OF PAPER
<b>ANIMAL BREEDING and PHYSIOLOGY</b>				
<b>AS-01</b>	Daryl G. Dela Cruz, Joram J. Gautane, Michelle M. Balbin and Claro N. Mingala	Daryl G. Dela Cruz	Daryl G. Dela Cruz	Development of Dry Formal Loop Mediated Isothermal Amplification (LAMP) for the Detection of Caprine Arthritis Encephalitis Virus (CAEV)
<b>AS-02</b>	Herren Donna Miguel Daag, Leo S. Laruan, Romel Raterta, Peregrino G. Duran, and Danilda Hufana-Duran	Danilda Hufana-Duran	Herren Donna Miguel Daag	Developmental Competence of Embryos Produced In Vitro from High and Low-Fertile Bulls Classified by Fourier Harmonic Analysis
<b>AS-03</b>	Danilda Hufana-Duran, Herren Donna Miguel Daag, Matt Daniel Peralta, Emma Venturina, Felomino V. Mamuad, Peregrino G. Duran, Fe Venturina, Hernando Venturina, and John Parrish	Herren Donna Miguel Daag	Danilda Hufana-Duran	Efficiency of Fourier Harmonic Analysis in Classifying Bulls According to Fertility: In Vitro Fertilization Assay
<b>AS-04</b>	Leo S. Laruan, Herren Donna Miguel Daag, Romel Raterta, Peregrino G. Duran, Danilda Hufana-Duran	Leo S. Laruan	Leo S. Laruan	Local Production of Buffalo Fetal Calf Serum and Its Efficiency in the Production of Cattle Embryos In Vitro
<b>FISHERY BREEDING and GENETICS</b>				
<b>AS-05</b>	Benedict Castro, Sharmaine Sanchez, Alex Kevin Marc Alonzo, and Nathaniel Alibuyog	Benedict Castro	Benedict Castro	An Object-Based Image Classification Procedure for Coastal Aquaculture Fish Pond Mapping in Agoon, La Union using LiDAR
<b>AS-06</b>	Precious D. Pattugalan, Angelli M. Asis, Jacqueline R. Pereda, & Mudjekeewis D. Santos	Precious D. Pattugalan	Precious D. Pattugalan	Assessment of Milkfish Fry Resources in Maruyogon, Puerto Princesa, Palawan

<b>AS-07</b>	Wilbur F. Dubon, Isagani P. Angeles, Jr., Yew-Hu Chien	Wilbur F. Dubon	isagani P. Angeles Jr.	Fish size effect on fish and plant growth and water quality in a Nile tilapia ( <i>Oreochromis niloticus</i> ) – cabbage ( <i>Brassica oleraceae</i> var. <i>capitata</i> L. f. <i>alba</i> ) raft-aquaponics system
<b>AS-08</b>	Jacqueline R. Pereda, Angelli M. Asis, Precious D. Pattugalan, & Mudjekeewis D. Santos	Jacqueline R. Pereda	Jacqueline R. Pereda	Genetics and Coastal Ecology: Understanding Milkfish Fry Fisheries in Response to the El Niño Phenomenon through DNA Barcoding
<b>AS-09</b>	Jonathan Belesario and Isagani P. Angeles Jr.	Jonathan Belesario	Jonathan Belesario	Performance of Nile Tilapia <i>Oreochromis Niloticus</i> Fed Diet Containing Distillers Dried Grains with Solubles and Following Ammonia Challenge

## DISEASES, PEST MANAGEMENT AND CONTROL

<b>AS-10</b>	Ace Kevin S. Amarga, and Sheryl A. Yap	Ace Kevin S. Amarga	Ace Kevin S. Amarga	First Record of Eoctenes Kirkaldy in Southern Luzon, (HEMIPTERA: POLYCTENIDAE), with Key to the Cimicoidea Ectoparasitic on Bats in the Philippines
<b>AS-11</b>	Manuela A. Samaco and Fe M. Dela Cueva	Manuela A. Samaco	Manuela A. Samaco	Multigene Phylogenetic Relationships among Philippine Isolates of Fusarium spp. causing Sugarane Pokkah boeng
<b>AS-12</b>	Lolita M. Dolores and Yron M. Retuta	Lolita M. Dolores	Lolita M. Dolores	New and Re- emerging Phytoplasma Diseases: Potential Threat to Crop Production in the Philippines
<b>AS-13</b>	Leslie Ubaub and Patricia Stock	Leslie Ubaub	Leslie Ubaub	Steinernema longicaudum, an Entomopathogenic Nematode Species Collected in Pummelo Orchards, Davao Region
<b>AS-14</b>	Jamie Ann B. Tumolva, Eureka Teresa M. Ocampo, Cecilia B. Pascual	Jamie Ann B. Tumolva	Jamie Ann B. Tumolva	Validation of Loop-Mediated Isothermal Amplification Technology (LAMP) using ELISA for the Detection of Fumonisin in Ear-Rot Infected Corn Caused by Fusarium verticillioides
<b>AS-15</b>	Jessamyn R. Adorada, Joel L. Adorada, Monalisa O. Recuenco, Ma. Anna Madela and April Kim Mark C. Gregorio	Jessamyn R. Adorada	Jessamyn R. Adorada	Predatory Ladybird Beetles Associated with Lanzones Mussel Scale, Unaspis mabilis Lit & Barbecho (Hemiptera: Diaspididae)
<b>AS-16</b>	Leticia A. Lutap, Lucricia Conchita G. Cocson, Alecsis G. Villarin and Aida D. Solsoly	Leticia A. Lutap	Leticia A. Lutap	Plant- Based Pesticides for the Control and Management of Selected Pest for Organic Vegetable Production in the Ilocos
<b>AS-17</b>	Revelieta B. Alovera	Revelieta B. Alovera	Revelieta B. Alovera	Effectiveness of Organic-based Amendments Against Diseases and Yield of Sweet Pepper

<b>AS-18</b>	Sheryl Mae A. Soria and Mellprie B. Marin	Sheryl Mae A. Soria	Mellprie B. Marin	Influence of Soil Amendments and Biospark Trichoderma on the Control of Sclerotium rolfsii Sacc. on Peanut
<b>AS-19</b>	Joel L. Adorada, Jessamyn R. Adorada, Monalisa O. Recuenco, Ma. Anna Madela and April Kim Mark C. Gregorio	Joel L. Adorada	Joel L. Adorada	Spatial Distribution of Lanzones Mussel Scale, Unaspis mabilis Lit & Barbecho (Hemiptera: Diaspididae) in CALABARZON, Luzon, Philippines
<b>AS-20</b>	Evangeline S. Galacgac and Leticia A. Lutap	Evangeline S. Galacgac	Evangeline S. Galacgac	Yield of Ilocos White Garlic in Response to Air Temperature and Purple Blotch Damage in Ilocos Norte, Philippines

## GENETIC RESOURCES, PLANT BREEDING AND GENETICS

<b>AS-21</b>	Gino Hernandez, Carolyn Alcasid, Lolita Valencia, Kristoffer Karel Rosuman, Eureka Theresa Ocampo	Gino Hernandez	Gino Hernandez	Improvement of Philippine 'Carabao' Mango by Pairing and Clipping Method of Hybridization with Marker-Assisted Selection
<b>AS-22</b>	Jennifer G. Opiso, John M. Fabrigar and Dave P. Buenavista	Jennifer G. Opiso	Jennifer G. Opiso	Endemic Orchids of Mt. Kiamo, Bukidnon
<b>AS-23</b>	Erin B. Bello, Jhun Laurence S. Rasco, Pamela Marie D. Sendon, Fe M. Dela Cueva, Antonio G. Lalusin and Antonio C. Laurena	Antonio C. Laurena	Erin B. Bello	DArT Marker-Based Genetic Diversity Analysis of Selected Sugarcane Varieties
<b>AS-24</b>	Ana Mikaela B. Maravilla, Alma O. Canama and Evelyn F. Delfin	Ana Mikaela B. Maravilla	Ana Mikaela B. Maravilla	Hybridity testing of eggplant ( <i>Solanum melongena</i> L.) F1 progenies derived from parentals with varying response to moisture stress using SSR markers
<b>AS-25</b>	Marjorie P. de Ocampo, Bui Phuoc Tam, James A. Egdane and Abdelbagi M. Ismail	Marjorie P. de Ocampo	Marjorie P. de Ocampo	Phenotyping rice ( <i>Oryza sativa</i> L.) genotypes for morpho-physiological traits associated with tolerance of salinity at reproductive stage
<b>AS-26</b>	Alma O. Canama and Precious R. Guevarra	Alma O. Canama	Precious R. Guevarra	SSR Genetic Diversity of Native Maize ( <i>Zea Mays</i> L.) Populations
<b>AS-27</b>	Feliona B. Bautista, Eureka Teresa M. Ocampo and Artemio M. Salazar	Feliona B. Bautista	Feliona B. Bautista	Variations in Phytochemical Constituents and Antioxidant Activity of Selected Philippine Native Corn Varieties ( <i>Zea mays</i> L.)
<b>AS-28</b>	Chzarlicetine J. Salarda and Gretchen G. Abao	Chzarlicetine J. Salarda	Gretchen G. Abao	Decision Making of Female Rice Workers in Selected Barangays of Malaybalay City, Bukidnon, Philippines
<b>AS-29</b>	Marife T.Ombico, Amparo M.Wagan, Leonardo L. Tamisin Jr., Michelle E. Omaña	Marife T.Ombico	Amparo M.Wagan	<i>Dillenia philippinensis</i> R. (Katmon): Harnessing its Potential for Food

<b>AS-30</b>	Noralyn B. Legaspi, Lea C. Agbigay, VinaMay R. Cabugon and Christine Quiapo	Noralyn B. Legaspi	Noralyn B. Legaspi	Transforming the Lowly 'Kamangeg' ( <i>Dioscorea luzonensis</i> ) Into an Economically-Important Crop
<b>AS-31</b>	Horace Hernandez, Marvim Suriso, Eden Rose Mojica and Miriam Baltazar	Horace Hernandez	Miriam Baltazar	Effects of Hormone Pre-treatments and Varying Photoperiods in the Somatic Embryo Induction of Coffee ( <i>Coffea arabica</i> L.)
<b>AS-32</b>	Nestor C. Altoveros, Teresita H. Borromeo, Hidelisa D. De Chavez, and Lorna E. Sister	Nestor C. Altoveros	Lorna E. Sister	Exploring Modes of Community-based Genebanking for Conservation of Rice Genetic Resources in Quirino, Iloilo, Antique and Davao Oriental Provinces
<b>AS-33</b>	Michelle Lyka S. Valle and Evelyn F. Delfin	Michelle Lyka S. Valle	Michelle Lyka S. Valle	Field Screening of Eggplant ( <i>Solanum melongena</i> L.) for Waterlogging Tolerance
<b>AS-34</b>	Niña R. Rosales, Lilia A. Portales, Ph.D. and Ma. Anna M. Alonzo	Niña R. Rosales	Niña R. Rosales	Grafting Technology on Cucumber, Bitter Melon, Sweet Pepper and Eggplant for Year-Round Production
<b>AS-35</b>	Eureka Teresa M. Ocampo, Ma. Alma Sanchez, Maria Cristina C. Heredia, Rovel Emman G. Austria, Jefferson Paril, Tonette Laude, Artemio Salazar	Eureka Teresa M. Ocampo	Maria Cristina C. Heredia	Improvement of Maize for Waterlogging-Prone Areas in the Philippines
<b>AS-36</b>	Dorothy Onyango, Meggy Lou Katimbang, Khady N. Drame, Abdelbagi M. Ismail	Dorothy Onyango	Meggy Lou Katimbang	Morpho-physiological traits associated with tolerance of iron toxicity during seedling stage in rice
<b>AS-37</b>	Lolita Valencia, Hayde Galvez, John Eric Canicosa, Alma Canama, Jen Charmaine Lorenzo and Sheila Mae Mercado	Lolita Valencia	Jen Charmaine Lorenzo	Seed Mutation Breeding of Pineapple Using Ethyl Methanesulfonate (EMS)
<b>AS-38</b>	Luzviminda Ann Sazon, Nichelle Beran, Jefferson Paril, Apolonio Ocampo, Artemio Salazar	Luzviminda Ann Sazon	Luzviminda Ann Sazon	Yield Performance of Hybrid Maize and Its Correlation with Temperature, Rainfall, Relative Humidity and Sunshine

<b>AS-39</b>	Cleofe T. Apiag	Cleofe T. Apiag	Cleofe T. Apiag	Asexual and Sexual Propagation of Elephant Foot Yam
<b>AS-40</b>	Alvin Quiel C, Sabanal, Maria Cielo Paola L. Bartolome, Rodel G. Maghirang	Rodel G. Maghirang	Alvin Quiel C, Sabanal	Field Performance of Mungbean Germplasm [ <i>Vigna radiata</i> (L.) Wilczek] under Organic Production System
<b>AS-41</b>	Crisafay E. Abian, Menisa A. Antonio, Maura Luisa S. Gabriel and Gliceria S. Pascua	Crisafay E. Abian	Menisa A. Antonio	Horticultural diversity of <i>Solanum lasiocarpum</i> Dunal in Adams, Ilocos Norte
<b>AS-42</b>	Carolyn Alcasid and Lolita Valencia	Carolyn Alcasid	Carolyn Alcasid	Intravarietal Variability Assessment of <i>Cosmos sulphureus</i> in Region IVA
<b>AS-43</b>	Dorothy Onyango, Frederickson Entila, Meggy Lou Katimbang, Myrish Pacleb, Khady Drame, and Abdelbagi Ismail	Dorothy Onyango	Frederickson Entila	Mechanisms associated with iron toxicity tolerance in rice during seedling stage
<b>AS-44</b>	Myrish A. Pacleb, Frederickson D. Entila, Evangelina S. Ella, and Abdelbagi Ismail	Myrish A. Pacleb	Myrish A. Pacleb	Screening and evaluation of tolerance to complete submergence in a diverse panel of rice ( <i>Oryza sativa</i> L.)
<b>AS-45</b>	Sharmaine Sanchez, Mark Darrel Salvador, Nathaniel Alibuyog	Sharmaine Sanchez	Sharmaine Sanchez	Mangroves Extraction in Pasuquin, Ilocos Norte using LiDAR Dataset
<b>AS-46</b>	Joselito I. Rosario	Joselito I. Rosario	Joselito I. Rosario	Yield Variations of Natural Kawayan tinik ( <i>Bambusa blumeana</i> J.A. & J.H. Schultes) Stands in Ilocos Norte, Philippines
<b>AS-47</b>	Wilfredo M. Carandang, Shierel F. Vallesteros, Armando M. Palijon, Rex Victor O. Cruz and Nathaniel C. Bantayan	Wilfredo M. Carandang	Shierel F. Vallesteros	Tree Owners' Practices and Preferences Relating to Desirable Tree Forms of <i>Gmelina arborea</i>
<b>AS-48</b>	Shierel F. Vallesteros, Wilfredo M. Carandang, Armando M. Palijon, Rex Victor O. Cruz, & Nathaniel C. Bantayan	Shierel F. Vallesteros	Shierel F. Vallesteros	Tree Traits that Define Timber Ideotypes of <i>Gmelina arborea</i>

<b>AS-49</b>	Al Domenic Rose R. Gayem, Ronald Arlet P. Villaber* Candelario L. Calibo, Tessie C. Nuñez	Al Domenic Rose R. Gayem	Ronald Arlet P. Villabe	Effects of Cow Dung Ash-Supplemented Media on the Micropropagation of Banana ( <i>Musa acuminata</i> , Colla) cv. Lakatan in the Philippines
<b>AS-50</b>	Marita S. Pinili, Cecilia B. Pascual, Morris O. Garcia and Jamie Ann B. Tumolva	Marita S. Pinili	Marita S. Pinili	Untying the Genetic Variability of <i>Peronosclerospora philippinensis</i> (W. Weston) C.G. Shaw from Different Locations Using Species Specific Primers for Improving Corn Populations
<b>AS-51</b>	Aldrin Cantila, Jenalyn Balos and Sailila Abdula	Aldrin Cantila	Aldrin Cantila	Morphometrics of Short-grained Upland Rice Phenotypes under Lowland Condition

### FOOD PROCESSING and POST-HARVEST PHYSIOLOGY

<b>AS-52</b>	Nenita B. Baldo, Carolina D. Amper, Myrna G. Ballentes, Arnee S. Tumapon and Eric A. Berayon	Nenita B. Baldo	Nenita B. Baldo	Improving the Storage and Shelf-Life of Quality Protein Maize (QPM) thru Proper Treatment and Packaging
<b>AS-53</b>	Davison T. Baldos, Zenaida M. De Guzman, Gilberto T. Diano, Jeff Darren Valdez, Ma. Cristina Gragasín and Ofero Caparino	Davison T. Baldos	Gilberto T. Diano	Effect of Gamma Radiation, Age of Paddy and Packaging Material on the Storage Quality of Brown Rice: Surface Free Fatty Acid (FFA) Determination
<b>AS-54</b>	Cristina Bajet, John Julius Manuben, Eric Jhon Cruz and Jasper Sarmiento	Cristina Bajet	Cristina Bajet	Rapid Bioassay for Pesticide Residues (RBPR) for detection of residues on vegetables and fruits
<b>AS-55</b>	Leonisa A. Artes	Leonisa A. Artes	Leonisa A. Artes	Delaying the ripening of 'Lakatan' banana ( <i>Musa AA</i> ) during simulated domestic sea transport
<b>AS-56</b>	Austin Louis D. Dayacap, Stella Grace Lebogo-Ndongo, Maribel Balagtas*, Miriam Estrada and Rochelle Oasan	Maribel Balagtas	Maribel Balagtas	Brown Rice ( <i>Oryza sativa</i> ), Green Mungbean ( <i>Vigna radiata</i> ), Malunggay ( <i>Moringa oleifera</i> ), and Okara Crispie Bar



<b>AS-57</b>	Charmaine B. Curameng, Leifjei Greka J. Moratalla, Maribel Balagtas, Gladys Laborde and Rochelle Oasan	Charmaine B. Curameng	Maribel Balagtas	Food Product Development of an Energy-dense Vegan Muffin
<b>AS-58</b>	Jhonalyn Banda, Judy Ann Duran, Sheena Mae Mogado, Colleen Prolles, Nolan Joseph De Los Santos	Sheena Mae Mogado	Sheena Mae Mogado	Development of Composite Edible Coating from Jackfruit Seeds Starch and Agar for <i>Lycopersicon esculentum</i> var. <i>cerasiforme</i>
<b>AS-59</b>	Lorcelie B. Taclan and Emson Y. Taclan	Emson Y. Taclan	Emson Y. Taclan	Retained Nutritional Values of Fresh Pineapple ( <i>Ananas comosus</i> ) using the Multi Commodity Heat Pump Dryer (MCHPD)
<b>CROP MANAGEMENT and PRODUCTION SYSTEM</b>				
<b>AS-60</b>	Gina Villegas-Pangga, Nerissa O Cedillo and Adolita C. Gabriel	Gina Villegas-Pangga	Gina Villegas-Pangga	Effect of Applied Pelletized Organic Fertilizers on the Yield Performance of Corn ( <i>Zea mays</i> L.) grown under Different Soil Conditions
<b>AS-61</b>	Arsenio Bulfa Jr and Gina Villegas-Pangga	Arsenio Bulfa Jr	Arsenio Bulfa Jr	Effect of Corn Cob Biochar on the Rate of Carbon Sequestration in Red Acidic Soil
<b>AS-62</b>	Tanay Joshi, Frederickson Entila, Sudhanshu Singh, and Abdelbagi Ismail	Tanay Joshi	Frederickson Entila	Crop management methods, weed control, and seed rates suitable for anaerobic germination tolerant lines in flood-prone rice ecosystem
<b>AS-63</b>	Romnick Talde, Jefferson Paril, Villamor Jr. Ladia, Marynold Purificacion, Richard Sanchez, Eureka Theresa Ocampo, Artemio Salazar	Romnick Talde	Romnick Talde	Improving Corn Farmers' Income and Soil Properties through Corn-Legume Crop Rotation
<b>AS-64</b>	Miriam Baltazar, Erlyn Dilidili and Reynato Rozul	Miriam Baltazar	Miriam Baltazar	On-Farm Research Trial on the Adaptability of Japonica Rice Varieties in Cavite
<b>AS-65</b>	Floramante C. Pastor, Noralyn B. Legaspi, Mario I. Remolacio, Lea C. Agbigay, Corazon Diana A. Pastor, Ma. Concepcion B. Birginias, Rosalinda Q. Santiago, Maricel G. Billones	Floramante C. Pastor	Noralyn B. Legaspi	Development of a Sustainable Organic Conversion Scheme for a Rice-Based Agroecosystem

<b>AS-66</b>	Sergia P. Garma and Charito L Samsam	Sergia P. Garma	Charito L Samsam	Growth And Yield Of Sweet Sorghum ( <i>Sorghum bicolor</i> L.) As Affected By The Different Levels Of Bio-Sludge
<b>AS-67</b>	Jesse Descalsota, Primitivo Jose Santos, Jonathan Descalsota, Carmelito Lapoot, Fe Abragan, Ines Gonzales and Cynthia Kiswa	Jesse Descalsota	Jesse Descalsota	Potato Seed Production Through Aeroponics (Phase I: Technology Development)
<b>AS-68</b>	Vences C. Valleser, Josephine L. Arbes, Andrew B. Melencion, Karen D. Magallon and Glenn R. Dayondon	Vences C. Valleser	Vences C. Valleser	Integrating Gender and Development (GAD) to the Cacao S&T Community Based Farm Project in Bukidnon
<b>AS-69</b>	Amparo M.Wagan, Nelly S. Aggangan, Leonardo L. Tamisin Jr., Michelle Omaña	Amparo M.Wagan	Amparo M.Wagan	Propagating <i>Dillenia Philippinensis</i> R (Katmon) Using Matured Stem Cuttings
<b>AS-70</b>	Imelda DG. Olvida, Leonardo G. Alipio, Jr., Juniel G. Lucidos, Gregorio A. Florendo, Jr., Genaro O. San Valentin, Elsa Torres3, Dario Gacu	Imelda DG. Olvida	Imelda DG. Olvida	Strengthening Resiliency and Enhancing Food Security of Tablas Island's Rainfed and Upland Rice Farming Communities to Climate Change