

**2017 International Publication Awardees**

**2017 Publications (Journal Articles)**

**UP LOS BAÑOS**

(as of 31 December 2017)

<b>SEQ</b>	<b>UNIT</b>	<b>AUTHOR(S)</b>	<b>TITLE</b>	<b>JOURNAL</b>
1	Agriculture	Amorio, Dyanah Joy H. Cumagun, Christian Joseph R.	Pathogenicity and Cytological Examination of Adapted and Non-Adapted Bipolaris Species on Resistant and Susceptible Cultivars of Rice and Corn	<i>Mycosphere</i> , 8 (3): 377-391, 2017
2	Agriculture	De Chavez, Hidelisa Borromeo, Teresita Borines, Nic Oswald Getallan, Renerio Jr. P.	Phenotypic Diversity of Soybean ( <i>Glycine max</i> (L.) Merr.) Accessions in the Philippines for Utilization	<i>Legume Research</i> , 40 (1): LR-302, 7 pages, February 2017
3	Agriculture	Flores, Floirendo P.	In Vitro Release Kinetics of Microencapsulated Materials and the Effect of the Food Matrix	<i>Annual Review of Food Science and Technology</i> , 8: 237-259, February 2017
4	Agriculture	Getallan, Renerio Jr. P. Lalusin, Antonio G.	Presence of Putative Cycas necrotic Stunt Virus RNAs in Japanese primrose ( <i>Primula sieboldii</i> E. Morren)	<i>Journal Archives of Phytopathology and Plant Protection</i> , 50 (3-4): 117-122, 25 February 2017
5	Agriculture	Villegas-Pangga, Gina	Effect of Rates and Sources of Nitrogen on Rice Yield, Nitrogen Efficiency, and Methane Emission from Irrigated Rice Cultivation	<i>Archives of Agronomy and Soil Science</i> , 63 (7): 1009-1022, 2017
6	Agriculture, MNH & CAS	Amarga, Ace Kevin S. Alviola, Phillip A. Lit, Ireneo Jr. L. Yap, Sheryl A.	Checklist of Ectoparasitic Arthropods Among Cave-dwelling Bats from Marinduque Island, Philippines	<i>Check List</i> , 13 (1): 2029, 10 pages, 5 January 2017

SEQ	UNIT	AUTHOR(S)	TITLE	JOURNAL
7	BIOTECH	Aggangan, Nelly Cadiz, Nina Llamado, Arlene Raymundo, Asuncion	Jatropha Curcas for Bioenergy and Bioremediation in Mine Tailing Area in Mogpog, Marinduque, Philippines	<i>Energy Procedia</i> , 110: 471-478, 2017
8	CAFS	Carlobos-Lopez, Ana Liza Cumagun, Christian Joseph R.	Identification and Quantification of Fumonisin-Producing <i>Fusarium</i> Species in Grain and Soil Samples from Egypt and the Philippines	<i>Phytopathologia Mediterranea</i> , 56 (1): 146-153, 2017
9	CAFS	Corpuz-Raros, Leonila	New Ameroid Mites (Acari, Oribatida) from the Philippines	<i>Systematic &amp; Applied Acarology</i> , 22 (7): 1069-1086, 2017
10	CAFS	Corpuz-Raros, Leonila	To the Knowledge of the Genus <i>Sadocephus</i> (Acari, Oribatida, Compactozetidae)	<i>Ecologica Montenegrina</i> , 11: 28-36, 2017
11	CAFS	Cumagun, Christian Joseph R.	Evolution of the Wheat Blast Fungus through Functional Losses in a Host Specificity Determinant	<i>Science</i> , 357 (6346): 80-83, 7 July 2017
12	CAFS	dela Cueva, Fe M. Samaco, Manuela A.	Disease Screening and Post-Entry Quarantine Program for Safe Introduction of Sugarcane Varieties in the Philippines	<i>Journal of the International Society for Southeast Asian Agricultural Sciences</i> , 23 (1): 33-43, June 2017
13	CAFS	Estrella, Consuelo Amor S.	Remodelling of the Bovine Placenta: Comprehensive Morphological and Histomorphological Characterization at the Late Embryonic and Early Accelerated Fetal Growth stages	<i>Placenta</i> , 55: 37-46, July 2017
14	CAFS	Gentallan, Renerio Jr. P. Endonela, Leah E. Altoveros, Nestor C.	Distinct Epigeal Cryptocotylar Germination Pattern of <i>Anacolosia frutescens</i> (Olacaceae)".	<i>Seed Science and Technology</i> , 45 (2): 504-509, July 2017

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15	CAFS	Gentallan, Renerio Jr. P. Lalusin, Antonio G.	Association of Putative Viral RNA Sequences to Flower Colour Variegation in Japanese Primrose ( <i>Primula sieboldii</i> E. Morren)	<i>Indian Journal of Horticulture</i> , 74 (1): 115-118, March 2017
16	CAFS	Paril, Jefferson F. Sanchez, Maria Alma B. Salazar, Artemio M. Lalusin, Antonio G. Sta. Cruz, Pompe Ocampo, Eureka Teresa	Genomic Selection in Maize ( <i>Zea mays</i> L.) Population Improvement for Waterlogging Tolerance	<i>Philippine Journal of Crop Science</i> , 42 (1): 15-26, April 2017
17	CAFS	Rayos, Antonio A.	Incidence of Right-horn and Left-horn Pregnancies in Locally Raised Holstein-Freisian x Sahiwal Crossbred Dairy Cattle	<i>Philippine Journal of Veterinary Medicine</i> , 54 (1): 59-63, January-June 2017
18	CAFS	Sta. Cruz, Pompe C.	Atmospheric CO <sub>2</sub> Concentration Effects on Rice Water use and Biomass Production	<i>Plos One</i> , 12 (2): e0169706, 17 pages, February 2017
19	CAFS, CHE & CVM	Reginio, Florencio Jr. C. Hurtada, Wilma A. Estacio, Maria Amelita C. Dizon, Erlinda I.	Lipid-Lowering Efficacy and Safety of <i>Monacus</i> Biopigment Beverage	<i>International Food Research Journal</i> , 24 (2): 664-671, April 2017
20	CAS	Albao, Marvin A. Padama, Allan Abraham B.	CO Adsorption on W(100) during Temperature-Programmed Desorption: A Combined Density Functional Theory and Kinetic Monte Carlo Study	<i>Applied Surface Science</i> , 396: 1282–1288, 28 February 2017
21	CAS	Albia, Jason R. Albao, Marvin A.	Dynamic Scaling of Island Size Distribution in Submonolayer One-Dimensional Growth	<i>Physcial Review E</i> , 95: 042802, 8 pages, 2017

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22	CAS	Balista, Junius André F.	Axial Segregation of Granular Mixtures as the Rotational Stabilization of the Radial Core	<i>Granular Matter</i> , 19 (2): 39, 9 pages, May 2017
23	CAS	Bragais, Milben A. Magcale-Macandog, Damasa B.	Employing Crowdsourced Geographic Data and Multi-Temporal/Multi-Sensor Satellite Imagery to Monitor Land Cover Change: A Case Study in an Urbanizing Region of the Philippines	<i>Computers, Environment and Urban Systems</i> , 64: 184–193, July 2017
24	CAS	Buot, Inocencio Jr. E.	Plant Diversity in Dong Na Tard Provincial Protected Area, Lao People’s Democratic Republic (Lao PDR): Species Structure and Forest Zonation	<i>EnvironmentAsia</i> , 10 (1): 52-62, January 2017
25	CAS	Cortez, Mark Jayson V. Rabajante, Jomar F. Tubay, Jerrold M. Babierra, Ariel L.	From Epigenetic Landscape to Phenotypic Fitness Landscape: Evolutionary Effect of Pathogens on Host Traits	<i>Infection, Genetics and Evolution</i> , 51: 245-254, July 2017
26	CAS	Cuansing, Eduardo C.	Attenuation and Amplification of the Transient Current in Nanojunctions with Time-Varying Gate Potentials	<i>International Journal of Modern Physics B</i> , 31 (14):1750105, 15 pages, 10 June 2017
27	CAS	Gianan, Nicolito A.	Reinvestigating Moral Bioenhancement	<i>Φιλοσοφία : International Journal of Philosophy</i> , 18 (2): 158-171, May 2017
28	CAS	Gorospe, Alloyssius E. G. B. Herrera, Marvin U.	Fabrication of Visible Light-Triggered Photocatalytic Materials from the Coupling of N-Type Zinc Oxide and P-Type Copper Oxide	<i>2nd International Symposium on Frontier of Applied Physics (ISFAP 2016), Journal of Physics: Conference Series</i> , 012058, 2017

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29	CAS	Husana, Daniel Edison M.	Stable Carbon Isotope Compositions of Foot Tissue, Conchiolin Opercula, and Organic Matrix within the Shells of Two Marine Gastropods from a Seagrass Meadow in the Philippines	<i>Geochemical Journal</i> , 51: 241-250, 2017
30	CAS	Malabed, Rizalino N.	On Difference in Aristotle's Categories	<i>Philosophia (Philippines)</i> , 18 (2): 206-221, 2017
31	CAS	Nazareno, Allen L. Hernandez, Bryan S.	A Mathematical Model of the Interaction of Abscisic acid, Ethylene and Methyl Jasmonate on Stomatal Closure in Plants	<i>PLoS One</i> , 12 (2): e0171065, 12 pages, 2017
32	CAS	Nazareno, Allen L. Dionisio-Sese, Maribel L. Cuaresma, Genaro A. Mendoza, Eduardo R. Jose, Editha C.	Continuous Logical Modeling of the Submergence Regulatory Network in Rice	<i>Philippine Journal of Science</i> , 146 (1): 15-26, March 2017
33	CAS	Padama, Allan Abraham B.	Ab Initio Study on Hydrogen Interaction with Calcium Decorated Silicon Carbide Nanotube	<i>International Journal of Hydrogen Energy</i> , 42 (16): 11452–11460, 20 April 2017
34	CAS	Padama, Allan Abraham B.	CO Adsorption on (110)-(1 × 2) Missing-Row Reconstructed Surfaces of Pd, Au, and Pd <sub>3</sub> Au: Electronic Structures and Vibrational Frequencies	<i>Journal of the Physical Society of Japan</i> , 86 (4): 044712, 9 pages, 15 April 2017
35	CAS	Padama, Allan Abraham B.	On the Structural and Optoelectronic Properties of Chemically Modified Oligothiophenes with Electron-Withdrawing Substituents for Organic Solar Cell Applications: A DFT/TDDFT Study	<i>Journal of the Physical Society of Japan</i> , 86 (6): 064802, 8 pages, 2017

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36	CAS	Palis, Florencia G.	Interdisciplinary Problem Framing for Sustainability: Challenges, A Framework, Case Studies	<i>Journal of Sustainable Forestry</i> , 36 (5): 516-534, 2017
37	CAS	Selisana, Shiela Marie Opulencia, Rina	Avirulence (AVR) Gene-Based Diagnosis Complements Existing Pathogen Surveillance Tools for Effective Deployment of Resistance (R) Genes Against Rice Blast Disease	<i>Phytopathology</i> , 107 (6): 711-720, June 2017
38	CAS	Tapia, Alvin Karlo G.	Conducting Properties of Polyaniline in the THz Region: Investigations of Various Processing Conditions	<i>Journal of Infrared, Millimeter, and Terahertz Waves</i> , 38 (7): 885–895, July 2017
39	CAS	Tsuchiya, Maria Claret L.	Strain Differences in the Proteome of Dioxin-Sensitive and Dioxin-Resistant Mice Treated with 2,3,7,8-Tetrabromodibenzo-p-Dioxin	<i>Archives of Toxicology</i> , 91 (4): 1763–1782, April 2017
40	CAS	Urzo, Michael Louie R. Cuevas, Virginia C. Opulencia, Rina B.	Screening and Identification of Polyester Polyurethane-degrading Fungi	<i>Philippine Agricultural Scientist</i> , 100 (Special Issue): S72-80, July 2017
41	CAS & Engineering (UPD)	Padama, Allan Abraham B. Cristobal, Anna Patricia S. Ocon, Joey D.	Effects of Adsorbates (CO, COH, and HCO) on the Arrangement of Pd Atoms in PdCu(111)	<i>Journal of Physical Chemistry C</i> , 121 (33): 17818–17826, 2017
42	CAS & MNH	Corpuz-Raros, Leonila	A New Subgenus and Two New Species of the Oribatid Mite Genus <i>Eurhynchoribates</i> (Acari, Oribatida, Rhynchoribatidae) from the Philippines	<i>Systematic &amp; Applied Acarology</i> , 22 (1): 125-134, 2017
43	CAS & Science (UPD)	Raymundo, Asuncion K. Geronimo, Edmerson B. Rivera, Windell L.	Assessment of Microbiology Education in the Philippines	<i>Philippine Agricultural Scientist</i> , 100 (Special Issue): S92-99, July 2017

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44	CAS & Science (UPD)	Santos-Putungan, Alexandra B. Salazar, Hernanie Jr. T. Estacio, Elmer S. Somintac, Armando S. Salvador, Arnel A. Sarmago, Roland V.	Structural and Optical Characterization and Scintillator Application of Hydrothermal-Grown ZnO Microrods	<i>Optical Materials</i> , 65: 82–87, March 2017
45	CAS, SESAM, CPAf & Agriculture	Ardales, Gregorio Jr. Y. Espaldon, Maria Victoria O. Quimbo, Maria Ana T. Zamora, Oscar B.	Adaptive Capacity Index of Public Schools in the Municipalities of Bay and Los Baños, Laguna Philippines	<i>Journal of Environmental Science and Management</i> , 20 (1): 71-87, June 2017
46	CEAT	Binarao, Jan Karl P. Layaoen, Haerold Dean Z. Revilla, Josefa Angelie D. Ani, Angelo C. Caroche, Maria Liezel P.	Effectiveness of Commercially Available Vibration Dampeners in Reducing Hand-Arm Vibrations on Diesel-Powered and Gasoline Powered Hand Tractor	<i>Philippine Agricultural Scientist</i> , 100 (2): 133-142, June 2017
47	CEAT	Fajardo, Arthur L.	Puddling Performance of Different Tilling Wheel Designs of the Float-Assisted Tiller in a Laboratory Soil Bin Set-Up	<i>Philippine Agricultural Scientist</i> , 100 (2): 143-149, June 2017
48	CEAT	Lampayan, Rubenito M.	Grain Yield, Water Productivity and Nitrogen use Efficiency of Rice under Different Water Management and Fertilizer-N Inputs in South China	<i>Agricultural Water Management</i> , 184: 191–200, April 2017
49	CEAT	Lampayan, Rubenito M.	Nitrogen Losses and Greenhouse Gas Emissions under Different N and Water Management in a Subtropical Double-Season Rice Cropping System	<i>Science of The Total Environment</i> , 609: 46-57, 31 December 2017

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50	CEAT	Madlangbayan, Marish S. Tabucal, Nimfa Maren S. Sundo, Marloe B. Velasco, Perlie P.	Corrosion Damage Measurement on Reinforced Concrete by Impressed Voltage Technique and Gravimetric Method	<i>International Journal of GEOMATE</i> , 13 (39): 198-205, November 2017
51	CEAT & Engineering (UPD)	Bueta, Felix Rey Imperial, James Francis Cervera, Rinlee Butch	Structure and Conductivity of NiO/YSZ Composite Prepared Via Modified Glycine-Nitrate Process at Varying Sintering Temperatures	<i>Ceramics International</i> , 43 (18): 16174-16177, 15 December 2017
52	CEM	Depositario, Dinah Pura T. Baticados, Glenn N.	Product Attribute Analysis for Latte Drinks: Implications for a Coffee-Flavored Carabao Milk-Based Drink	<i>International Food Research Journal</i> , 24 (1): 142-147, February 2017
53	CFNR	Bajo, Porferio O. Acda, Menandro N.	Fuel Pellets from a Mixture of Rice Husk and Wood Particles	<i>BioResources</i> , 12 (3): 6618-6628, August 2017
54	CFNR	Baliton, Romnick S. Landicho, Leila D. Cabahug, Rowena E. Paelmo, Roselyn F. Comia, Reynaldo A. Visco, Roberto G. Castillo, Arnold Karl SA.	Ecological Services of Agroforestry Landscapes in Selected Watershed Areas in the Philippines and Indonesia	<i>Journal of Biotropia</i> , 24 (1): 71-83, 2017
55	CFNR	Romano, Arlene D. Acda, Menandro N.	Feeding Preference of the Drywood Termite <i>Cryptotermes cynocephalus</i> (Kalotermitidae) against Industrial Tree Plantation Species in the Philippines	<i>Journal of Asia-Pacific Entomology</i> , 20 (4): 1161-1164, December 2017
56	CHE	Amparo, Jennifer Marie S. Talavera, Ma. Theresa M. Barrion, Aimee Sheree Mendoza, Maria Emilinda T.	Assessment of Fish and Shellfish Consumption of Coastal Barangays along the Marilao-Meycauayan-Obando River System (MMORS), Philippines	<i>Malaysian Journal of Nutrition</i> , 23: (2): 263-277, 2017



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57	CHE	Atienza, Liezl M.	Red Raspberry ( <i>Rubus idaeus</i> L.) Intake Decreases Oxidative Stress in Obese Diabetic (db/db) Mice	<i>Food Chemistry</i> , 227: 305–314, 15 July 2017
58	CHE	Salvacion, Arnold R.	Mapping Spatio-Temporal Changes in Climatic Suitability of Corn in the Philippines under Future Climate Condition	<i>Quaestiones Geographicae</i> , 36 (1): 105-120, 1 March 2017
59	CPAf	Brillo, Bing Baltazar C.	Local Governance of Gunao Lake, Tikub Lake and Dagatan Lake: Small Lakes of the Mount Banahaw–San Cristobal–Malepunyo Corridor, Philippines	<i>Lakes and Reservoirs: Research and Management</i> , 22 (2): 115-122, June 2017
60	CPAf	Brillo, Bing Baltazar C.	The Governance of the Seven Crater Lakes, San Pablo City, Philippines	<i>Asian Journal of Water, Environment and Pollution</i> , 14 (2): 13-25, 2017
61	CPAf	Brillo, Bing Baltazar C.	The Politics of Lake Governance: Sampaloc Lake, Pandin Lake and Tadlac Lake of the Laguna de Bay Region, Philippines	<i>Asia-Pacific Social Science Review</i> , 17 (1): 66-79, 2017
62	CPAf	Brillo, Bing Baltazar C. Quinones, Ephraim C. Lapitan, Aileen V.	Restoration, Development and Governance of Dagatan Lake, San Antonio, Quezon, Philippines	<i>Taiwan Water Conservancy</i> , 65 (1): 44-54, 1 March 2017
63	CVM	Constante, Jesalyn L. Acorda, Jezie A. Pajas, Arville Mar Gregorio A.	B-Mode and M-mode Ultrasonography of the Heart of Lactating Dairy Water Buffaloes ( <i>Bubalus bubalis</i> L.)	<i>Philippine Journal of Veterinary Medicine</i> , 54 (1): 1-8, 2017
64	CVM	Galay, Remil L.	Characterization and Antiviral Activity of a Newly Identified Defensin-Like Peptide, HEdefensin, in the Hard Tick <i>Haemaphysalis longicornis</i>	<i>Developmental &amp; Comparative Immunology</i> , 68: 98–107, March 2017

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65	CVM	Padilla, Mildred A.	High Level Resistance and Multi-Resistance to Medically Important Antimicrobials in <i>Escherichia coli</i> Isolated from Healthy Pigs at Slaughter in Laguna, Philippines	<i>Philippine Journal of Veterinary Medicine</i> , 54 (1): 36-45, 2017
66	CVM	Padilla, Mildred A. Ducusin, Rio John T.	Prevalence of Internal Parasite Infection in Pigs and Analysis of Risk Factors in Smallholder Pig Farms in Cavite and Batangas, Philippines	<i>Philippine Journal of Veterinary Medicine</i> , 54 (1): 27-35, 2017
67	CVM	Paraso, Michelle Grace V. Clavecillas, Angelo A. Lola, Ma. Suzanneth Epifania G.	Estrogenic Effects in Feral Male Common Carp ( <i>Cyprinus carpio</i> ) from Laguna de Bay, Philippines	<i>Bulletin of Environmental Contamination and Toxicology</i> , 98 (5): 638–642, May 2017
68	CVM	Reyes, Alisha Wehdnesday B.	The Host Immune Enhancing Agent Korean Red Ginseng Oil Successfully Attenuates <i>Brucella abortus</i> Infection in a Murine Model	<i>Journal of Ethnopharmacology</i> , 198: 5-14, 23 February 2017
69	CVM	Reyes, Marco F. Acorda, Jezie A. Oronan, Rey B. Pajas, Arville Mar Gregorio A.	Ultrasonographic Features of Experimentally-Induced Corneal Ulcer Treated With Autologous Serum in Dogs	<i>Philippine Journal of Veterinary Medicine</i> , 54 (1): 9-16, 2017
70	MNH	Corpuz-Raros, Leonila	New Data on Oribatid Mites of the Family Oppiidae (Acari, Oribatida) from the Philippines	<i>Acta Zoologica Bulgarica</i> , 69 (1): 9-16, 2017
71	MNH	Corpuz-Raros, Leonila	New Data on Philippine Oribatid Mite Fauna, with a Contribution to Knowledge of the Genus <i>Drymobatoides</i> (Acari, Oribatida, Mochlozetidae)	<i>Acarologia</i> , 57 (2): 295-308, 2017

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72	MNH	General, David Emmanuel M.	Checklist of the Ants of Mt. Hamiguitan, Mindanao Island, Philippines (Hymenoptera: Formicidae)	<i>Halteres</i> , 8: 92-102, 2017
73	MNH	General, David Emmanuel M.	First Global Molecular Phylogeny and Biogeographical Analysis of Two Arachnid Orders (Schizomida and Uropygi) Supports a Tropical Pangean Origin and Mid-Cretaceous Diversification	<i>Journal of Biogeography</i> , 44 (11): 2660–2672, November 2017

**Please Note: The College of Agriculture has been renamed as the College of Agriculture and Food Science (CAFS).**