

**2015 International Publication Awardees
2015 Publications (Journal Articles)
UP LOS BAÑOS**

SEQ	COLLEGE	NAME	TITLE OF PUBLICATION	JOURNAL
Arts and Letters Cluster				
1	CAS	Aguinaldo, Dennis Andrew S.	The Second Law	<i>Kritika Kultura, 25: 529-555, 2015</i>
Economics and Management Cluster				
1	CEM	Vista, Arvin B.	Estimating the Recreational Value of Taal Volcano Protected Landscape, Philippines, Using Benefit Transfer	<i>Journal of Environmental Science and Management, 18 (1): 22-32, June 2015</i>
Social Sciences and Law Cluster				
1	CAS	Boongaling, John Ian K.	The Case against a Free Market for Human Organs in the Philippines	<i>Asia-Pacific Social Science Review, 15 (1): 63-77, 2015</i>
2	CAS	Boongaling, John Ian K.	Some (Philosophical) Problems for Consciousness as a Neural Capacity for Objectivity	<i>Organon F, 22 (3): 325-339, 2015</i>
3	CAS	Malabed, Rizalino N.	Nature in our Midst	<i>Philosophia: International Journal of Philosophy, 16 (2): 202-215, 2015</i>
Science and Technology Cluster				
1	Agriculture	Algar, Ara Fatima C. Mabesa, Linda B.	Isolation and Partial Characterization of a Low Molecular Weight Antimicrobial Protein from Coconut (<i>Cocos nucifera</i> L.) Milk	<i>International Food Research Journal, 22 (5): 1813-1816, 2015</i>

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2	Agriculture	Flores, Floirendo P.	<i>In vitro</i> Release Properties of Encapsulated Blueberry (<i>Vaccinium ashei</i>) Extracts	<i>Food Chemistry</i> , 168: 225–232, 1 February 2015
3	Agriculture	Israel, Katherine Ann Castillo Baguio, Sharmaine F. Diasanta, Mark Darell B. Lizardo, Rona Camille M. Dizon, Erlinda I. Mejico, Mussaenda Imelda F.	Extraction and Characterization of Pectin from Saba Banana [<i>Musa 'saba'</i> (<i>Musa acuminata</i> x <i>Musa balbisiana</i>)] Peel Wastes: A Preliminary Study	<i>International Food Research Journal</i> , 22 (1): 202-207, 2015
4	Agriculture	Israel, Katherine Ann Castillo Gandia, James Bryan L. Velez, Angelo Chris G. Absulio, Wella L. Bainto, Loraine C.	Storage Quality of Fresh-cut Philippine ‘Carabao’ Mango (<i>Mangifera indica</i> L. cv. ‘Carabao’) Fruits with 1-Methylcyclopropene (1-MCP) Post-cutting Treatment	<i>International Food Research Journal</i> , 22 (6): 2196-2202, 2015
5	Agriculture	Israel, Katherine Ann Castillo Serrano, Edralina P. Absulio, Wella L. Gandia, James Bryan L.	Efficacy of 1-Methylcyclopropene Post-cutting Treatment on Fresh-cut Papaya (<i>Carica papaya</i> L. cv. ‘Sinta’) Storage Quality using Two Packaging Forms	<i>International Food Research Journal</i> , 22 (3): 910-917, 2015
6	Agriculture	Ocampo, Virginia R. Caoili, Barbara L.	Infection Process of Entomopathogenic Fungi <i>Beauveria bassiana</i> in the <i>Tetranychus kanzawai</i> (Kishida) (Tetranychidae: Acarina)	<i>Arthropods</i> , 4 (3): 90-97, 2015
7	Agriculture	Raros, Leonila Corpuz	Additions to the Philippine Oribatid Mite Fauna (Acari, Oribatida), with Description of Two New Species	<i>International Journal of Acarology</i> , 41 (7): 606-616, 2015
8	Agriculture	Raros, Leonila Corpuz	A New Species of Notogalumna (Acari, Oribatida, Galaumnidae) from the Oriental Region with a Key to Known Species	<i>Acarologia</i> , 55 (3): 267-276, 2015

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9	Agriculture	Raros, Leonila Corpuz	A New Subgenus and Two New Species of Oribatid Mites of the Genus Neoribates (Acari, Oribatida, Parakalummidae) from the Philippines	<i>Zootaxa</i> , 3956 (2): 224-238, 2015
10	Agriculture	Raros, Leonila Corpuz	New Species of Galumnid Mites of the Genera Mirogalumna and Pergalumna from the Philippines (Acari, Oribatida, Galumnidae)	<i>Systematic & Applied Acarology</i> , 20 (5): 556–566, 2015
11	Agriculture	Raros, Leonila Corpuz	New Species of Oribatid Mites with Auriculate Pteromorphs (Acari, Oribatida, Galumnidae) from the Philippines	<i>Zootaxa</i> , 3905 (4): 511-528, 2015
12	Agriculture & CAS	Callano, Khris June L. Huelgas, Visitacion C. Mendiolo, Merlyn S.	Cytogenetics of <i>Solanum aethiopicum</i> L., <i>S. melongena</i> L. and Their F1 Hybrids and the Mechanism of Hybrid Sterility and Breakdown	<i>Philippine Journal of Crop Science</i> , 40 (2): 33-44, August 2015
13	Agriculture & CEM	Lizardo, Rona Camille M. Mabesa, Linda B. Dizon, Erlinda I. Aquino, Nanette A.	Functional and Antimicrobial Properties of Bignay [<i>Antidesma bunius</i> (L.) Spreng.] Extract and its Potential as Natural Preservative in a Baked Product	<i>International Food Research Journal</i> , 22 (1): 88-95, 2015
14	BIOTECH, CAS & CFNR	Aggangan, Nelly S. Pampolina, Nelson M. Cadiz, Nina M. Raymundo, Asuncion K.	Assesment of Plant Diversity and Associated Mycorrhizal Fungi in the Mined-out Sites of Atlas Mines in Toledo City, Cebu for Bioremediation	<i>Journal of Environmental Science and Management</i> , 18 (1): 71-86, June 2015
15	CAS	Albao, Marvin A. Cristobal, Anna Patricia S. Albia, Jason R.	Quantifying STM-tip Induced Directed Hopping of Sb ₂ Dimers on Si(001): A Kinetic Monte Carlo Study	<i>Journal of Vacuum Science & Technology A</i> , 33 (6): 061407, 7 pages, November-December 2015

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16	CAS	Albia, Jason R. Albao, Marvin A.	Non-Arrhenius Temperature Dependence of the Island Density of One-dimensional Al Chains on Si(100): A Kinetic Monte Carlo Study	<i>Journal of Vacuum Science & Technology A</i> , 33 (2): 021404, 6 pages, 2015
17	CAS	Buot, Inocencio E. Jr.	The Response of Plants Growing in a Landfill in the Philippines Towards Cadmium and Chromium and its Implications for Future Remediation of Metal-contaminated Soils	<i>Journal of Ecology and Environment</i> , 38 (2): 123-131, 2015
18	CAS	Cervancia, Cleofas R.	Propolins and Glyasperin A from Stingless Bee Nests	<i>Revista Brasileira de Farmacognosia (Brazilian Journal of Pharmacognosy)</i> , 25 (2): 177-179, March-April 2015
19	CAS	Jose, Editha C.	Asymptotic Behavior of the Approximate Controls for Parabolic Equations with Interfacial Contact Resistance	<i>ESAIM: Control Optimisation and Calculus of Variations</i> , 21: 138-164, 2015
20	CAS	Padama, Allan Abraham B.	First Principles Study of N and H Atoms Adsorption and NH Formation on Pd(111) and Pd ₃ Ag(111) Surfaces	<i>Journal of Membrane Science</i> , 474: 57-63, 15 January 2015
21	CAS	Padama, Allan Abraham B.	Understanding the Mechanism of H Atom Absorption in the Pd(1 1 0) Surface	<i>Journal of Alloys and Compounds</i> , 645 (1): S123-S127, 5 October 2015
22	CAS	Putungan, Alexandra Santos	Blue-shifted and Picosecond Amplified UV Emission from Aqueous Chemical Grown ZnO Microrods	<i>Optical Materials</i> , 48: 179-184, October 2015
23	CAS	Putungan, Alexandra Santos	Photoluminescence Investigations of Bulk and Microstructured ZnO Crystals for Scintillator Applications	<i>Journal of Ceramic Processing Research</i> , 16 (1): 98-101, 2015

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24	CAS	Rabajante, Jomar F. Babierra, Ariel L.	Branching and Oscillations in the Epigenetic Landscape of Cell-fate Determination	<i>Progress in Biophysics and Molecular Biology</i> , 117 (2–3): 240–249, March 2015
25	CAS	Rabajante, Jomar F. Tubay, Jerrold M.	Red Queen Dynamics in Multi-host and Multi-parasite Interaction System	<i>Scientific Reports</i> , 5: 10004, 7 pages, April 2015
26	CAS	Ticzon, Victor S.	Delineating Optimal Settlement Areas of Juvenile Reef Fish in Ngederrak Reef, Koror State, Republic of Palau	<i>Environmental Monitoring and Assessment</i> , 187 (1): 4089, 14 pages, January 2015
27	CAS & CFNR	Ong, Bianca Kaye C. Paller, Vachel Gay V. de Guia, Anna Pauline O. Balatibat, Juancho B. Gonzalez, Juan Carlos T.	Prevalence of Avian Haemosporidians among Understorey Birds of Mt. Banahaw de Lucban, Philippines	<i>Raffles Bulletin of Zoology</i> , 63: 279-286, 2015
28	CAS & Science (UPD)	Balista, Junius André F. Saloma, Caesar	Modified Inelastic Bouncing Ball Model for Describing the Dynamics of Granular Materials in a Vibrated Container	<i>Physica D: Nonlinear Phenomena</i> , 291: 17–20, 15 January 2015
29	CAS & Science (UPD)	Putungan, Alexandra Santos Vargas, Ray M. Salvador, Arnel A. Sarmago, Roland V.	Photoluminescence Investigations of Bulk and Microstructured ZnO Crystals for Scintillator Applications	<i>Journal of Ceramic Processing Research</i> , 16 (1): 98-101, 2015
30	CAS & Science (UPD)	Rabajante, Jomar F. Talaue, Cheryl O.	Equilibrium Switching and Mathematical Properties of Nonlinear Interaction Networks with Concurrent Antagonism and Self-stimulation	<i>Chaos, Solitons & Fractals</i> , 73: 166–182, April 2015
31	CEAT	Layaoen, Haerold Dean Z. Yap, Mikel Angelo B. Palomar, Romelyn Mae Pesigan, Clarissa M.	Optimal Handle Grip and Engine Mount Combination for Minimized Hand Vibration from Gasoline Hand Tractors	<i>Philippine Agricultural Scientist</i> , 98 (2): 157-165, June 2015

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32	CEAT	Quilloy, Erwin P. Bato, Pepito M.	Machine Vision-Based Software for Automating the Grading Process of Philippine Table Eggs	<i>Philippine Agricultural Scientist</i> , 98 (2): 148-156, June 2015
33	CEAT	Revilla, Josefa Angelie D. Yap, Mikel Angelo B. Layaoen, Haerold Dean Z. Ramos, Michael John S.	Baseline Measurement and Analysis of Hand-Arm Transmitted Vibration of an Ergonomically Designed Two-Wheel Tractor	<i>Philippine Agricultural Scientist</i> , 98 (2): 166-173, June 2015
34	CEAT & Agriculture	Fajardo, Arthur L. Suministrado, Delfin C. Peralta, Engelbert K. Bato, Pepito M. Paningbatan, Eduardo Jr. P.	Effect of Blade Shape and Shaft Speed on the Performance of a Tilling Wheel of Float-assisted Tillers	<i>Philippine Agricultural Scientist</i> , 98 (1): 73-80, March 2015
35	CFNR	Abasolo, Willie P.	Properties of Rattan Cane as Basis for Determining Optimum Cutting Cycle of Cultivated <i>Calamus merrillii</i>	<i>Journal of Tropical Forest Science</i> , 27 (2): 176-188, 2015
36	CFNR	Acda, Menandro N.	Fuel Pellets from Downed Coconut (<i>Cocos nucifera</i>) in Super Typhoon Haiyan	<i>Biomass and Bioenergy</i> , 83: 539–542, December 2015
37	CFNR	Acda, Menandro N.	Physico-Chemical Properties of Wood Pellets from Coppice of Short Rotation Tropical Hardwoods	<i>Fuel</i> , 160: 531-533, 15 November 2015
38	CFNR	Gevaña, Dixon T.	Examining How Long Fallow Swidden Systems Impact upon Livelihood and Ecosystem Services Outcomes Compared with Alternative Land-uses in the Uplands of Southeast Asia	<i>Journal of Development Effectiveness</i> , 7 (2): 210-229, 2015

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39	CVM	Acorda, Jezie A. Pajas, Arville Mar Gregorio A.	M-mode Echocardiographic Values in Male and Female Philippine Sheep (<i>Ovis aries</i>) (Artiodactyla: Bovidae) by Age and Status of Lactation and Pregnancy	<i>Philippine Journal of Veterinary Medicine</i> , 52 (1): 11-20, 2015
40	Grad School & CHE	Rola, Armand Christopher C. Rola, Walfredo R.	Loss Reduction Effects of Rice Farmers' Participation in Crop Insurance Program	<i>Philippine Journal of Crop Science</i> , 40 (2): 45-58, August 2015
41	MNH	Alvarez, James D.V. Lit, Ireneo Jr. L. Alviola, Phillip A.	Bat Flies (Diptera: Nycteribiidae) from Mount Makiling, Luzon Island: New Host and Distribution Records, with a Checklist of Species Found in the Philippines	<i>Check List</i> , 11 (1): 4 pages, 2015
42	MNH	General, David Emmanuel M.	A Second Species of the Ant Genus <i>Romblonella</i> from the Philippines (Hymenoptera: Formicidae)	<i>Halteres</i> , 6: 56-62, 2015
43	MNH	Yap, Sheryl	From Micropterism to Hyperpterism: Recognition Strategy and Standardized Homology-driven Terminology of the Forewing Venation Patterns in Planthoppers (Hemiptera: Fulgoromorpha)	<i>Zoomorphology</i> , 134 (1): 63-77, March 2015
44	SESAM	Ancog, Rico Ruzol, Clarisse	Urbanization Adjacent to a Wetland of International Importance: The Case of Olango Island Wildlife Sanctuary, Metro Cebu, Philippines	<i>Habitat International</i> , 49: 325-332, October 2015
45	SESAM	Caringal, Anacleto M.	Population and Reproductive Phenology of the Philippine Teak (<i>Tectona philippinensis</i> Benth. & Hook. f.) in Lobo Coast of Verde Island Passage, Batangas, Philippines	<i>Philippine Agricultural Scientist</i> , 98 (3): 312-322, September 2015