

**2017 International Publication Awardees**  
**Publications (Journal Articles and Conference Papers) during the Previous Years**

**UP DILIMAN**

(as of 31 December 2017)

SEQ	UNIT	AUTHOR(S)	TITLE	JOURNAL
1	Asian Center	Talampas, Rolando G.	Measuring Functioning and Disability After a Disaster: Results from the Typhoon Haiyan/Yolanda-Affected Areas of the Philippines	<i>n n on ou n o</i> <i>on</i> 9 2 -2 2
2	ASP	Pawlik, Alfred F.	Characterisation of the Use-Wear Resulting from Bamboo Working and Its Importance to Address the Hypothesis of the Existence of a Bamboo Industry in Prehistoric Southeast Asia	<i>u n n n on</i> 9 - 2 9 2
3	ASP	Volmer, Rebekka	The Effect of Competition on Shared Food Resources in Carnivore Guilds	<i>u n n n on</i> <i>B 2- 22 Au u 2</i>
4	CAL	Garcia, J. Neil C.	Myth and The Poetics of the Self: The Critical Corpus of Gémino H. Abad	<i>k u u 2 2- 2</i>
5	CHE	Gabriel, Alonzo A.	Microbial, Physicochemical, and Sensory Quality Evaluations of Salted Herring ( <i>n</i> ) Subjected to Different Drying Processes	<i>oo n n no o</i> <i>2 2 2 -22 2</i>
6	CHE	Gabriel, Alonzo A.	Previous Physicochemical Stress Exposures Influence Subsequent Resistance of <i>o</i> O157:H7, <i>on</i> <i>n</i> , and <i>ono o n</i> to Ultraviolet-C in Coconut Liquid Endosperm Beverage	<i>n n on ou n o oo</i> <i>o o o 2 -</i> 2





SEQ	UNIT	AUTHOR(S)	TITLE	JOURNAL
21	CSSP	Tadem, Teresa Encarnacion S.	The Rise and Fall of Virata's Network: Technocracy and the Politics of Economic Decision Making in the Philippines	<i>o</i> <sub>u</sub> A n <i>u</i> - 2
22	Economics	Solon, Orville	Misdiagnosis of Obstetrical Cases and the Clinical and Cost Consequences to Patients: A Cross-Sectional Study of Urban Providers in the Philippines	<i>o</i> A on 9 2 2 2
23	Engineering	Agcaoili, Apollo Balela, Mary Donnabelle	Preparation of Polyacrylonitrile-Kapok Hollow Microtubes Decorated with Cu Nanoparticles	<i>n n on on n on</i> <i>n n n n nno</i> A W o <i>on n 2 2</i> 2 o 2
24	Engineering	Alamani, Bryan G.	Engineering Crystal Modifiers: Bridging Classical and Nonclassical Crystallization	<i>o</i> 2 2 - 2
25	Engineering	Ang, Ma. Rosario Concepcion O. Panganiban, Luis Caesar Ian K. Mamador, Charmyne B. De Luna, Oliver Dan G. Bausas, Michael D. Cruz, Joselito P.	Development of a Multi-Site and Multi-Device WebGIS-Based Tool Current Energy Development	<i>Ann o</i> <i>o o</i> o n n <i>n</i> n o on n - <i>u</i> 2
26	Engineering	Bausas, Michael D. Danao, Louis Angelo M.	The Influence of Blade Camber on the Performance of a Vertical Axis Wind Turbine in Fluactuating Wind	<i>Wo on on n n n</i> 2 W 2 <i>o on on on on Un</i> <i>n o 29 un - u 2</i>

SEQ	UNIT	AUTHOR(S)	TITLE	JOURNAL
27	Engineering	Berana, Menandro S.	Modelling of Ejector Refrigeration System and Its Application to the Design of an Ejector Cooler for a Hot-Spring Resort in the Philippines	W 2 n n n 222
28	Engineering	Cabarle, Francis George C. Adorna, Henry N.	Notes on Spiking Neural P Systems and Finite Automata	u - 2
29	Engineering	Caro, Jaime D.L.	Crowdsourcing for Healthcare Resource Allocation	n n o n A 2
30	Engineering	Caro, Jaime D.L.	Data Crowdsourcing and Traffic Sensitive Routing for a Mixed Mode Public Transit System	n n o n A 2
31	Engineering	Caro, Jaime D.L.	Use of Analytics to Improve Student Behavior and Performance in an Online Course Implementation	n n o n A 2
32	Engineering	Claridades, Alexis Richard C. Villanueva, Jara Kaye S. Macatulad, Edgardo G.	Evacuation Simulation in Kalayaan Residence Hall, UP Diliman using GAMA Simulation Software	n o n A 2



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41	Engineering	Lagrama, Kimberly Rose L. Restauro, Dexter Nielsen B. Magdaluyo, Eduardo Jr. R.	Porcine-bone Derived Hydroxyapatite Coating on Anodized Titanium Substrate	<i>n o u</i> - 9 2
42	Engineering	Leuterio, Giselle Lou D. Pajarito, Bryan B.	Effect of Colorant Additive and Thickness on Tensile Properties of Oxo-biodegradable PE Plastic Bags in Alkaline Solution	<i>n n n</i> - 2
43	Engineering	Liberato, Astrid Ayla E. Dela Vega, Ma. Shanlene D.C.	Investigation of the Effect of Sorbent Dosage and Solution Ph on the Adsorption Efficiency of Catfish- and Tilapia-Derived Hydroxyapatite	<i>n o u</i> 2 - 2
44	Engineering	Ondoy, Karl C. Pajarito, Bryan B.	Effect of Grit Type, Aging Temperature and Aging Time on Particle Size of Ground Natural Rubber/Zeolite Composite Powder	<i>n n n</i> 2 - 2 2
45	Engineering	Pajarito, Bryan B.	Sorption and Degradation Behaviour of Epoxy Composites Reinforced with Amine-Coated Polyester Triangular Bars in Acid Environment	<i>n n n</i> 9 - 9 2
46	Engineering	Pajarito, Bryan B. Arabit, Jimyl	Correlation of Blooming and Tensile Properties in Surfactant-Loaded Natural Rubber Vulcanizates	<i>n n n</i> - 9 2
47	Engineering	Rosales, Marc D.	Hybrid Photo-Receiver Based on SiGe Heterojunction Photo-Transistor for Low-Cost 60 GHz Intermediate-Frequency Radio-Over-Fibre Applications	<i>on</i> - 2 A 2

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48	Engineering	Solamo, Ma. Rowena C. Feria, Rommel P.	Evaluation of a Mobile AAC Application for Filipino Language	<i>n n on on n on no on n n n A on A 2 9 - 2 2</i>
49	Engineering	Solamo, Ma. Rowena C. Feria, Rommel P.	On Evaluating Skillville: An Educational Mobile Game on Visual Perception Skills	<i>n n on on n on no on n n n A on A 2 2 9 2</i>
50	Engineering	Talampas, Marc Caesar R.	A Geometric Filter Algorithm for Robust Device-Free Localization in Wireless Networks	<i>n on on n u no 2 - o 2</i>
51	Science	Adao, Davin Edric V. Dela Serna, Ace O. Belleza, Maria Luz B. Bolo, Nicole R. Rivera, Windell L.	Subtype Analysis of <i>B o</i> sp. Isolates from Asymptomatic Individuals in an Urban Community in the Philippines	<i>Ann o o o 2 9 - 2 o 2</i>
52	Science	Adao, Davin Edric V. Rivera, Windell L.	Molecular Characterization of <i>B o</i> Isolates Infecting Farm Animals in Victoria and Pila, Laguna, Philippines	<i>n A u u n 99 - 2</i>
53	Science	Almoro, Percival F.	Enhanced Intensity Variation for Multiple-Plane Phase Retrieval using a Spatial Light Modulator as a Convenient Tunable Diffuser	<i>2 2 -2</i>
54	Science	Amosco, Melissa D. Naniong, Justin Michael A. David-Bustamante, Lara Marie G. Palmes-Saloma, Cynthia P.	VEGF-A and VEGFR1 SNPs Associate with Preeclampsia in a Philippine Population	<i>n n n n on - 2</i>





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62	Science	David, Carlos Primo C.	Evaluating the Potential of Radar-Based Rainfall Estimates for Streamflow and Flood Simulations in the Philippines	<i>o u z n</i> <i>k 9 - 2</i>
63	Science	de la Cruz, Ralph John L.	The S Polar Decomposition When the Cosquare of S is Nonderogatory	<i>on o<sub>u</sub> n o n</i> <i>A - o</i> <i>2</i>
64	Science	Delos Santos, Ramon Tuico, Anthony Copa, Vernalyn Salvador, Arnel Somintac, Armando Estacio, Elmer	Cherenkov-Phase-Matched Nonlinear Optical Detection and Generation of Terahertz Radiation via GaAs with Metal-Coating	<i>2 22 2 9 -</i> <i>2 9 o 2</i>
65	Science	Dumilag, Richard V.	Genotype Introduction Affects Population Composition of Native Philippine	<i>u</i>

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68	Science	Faustino, Maria Angela B. Lopez, Lorenzo Jr. P. Hermosa, Nathaniel Salvador, Arnel A. Somintac, Armando S. Estacio, Elmer S.	Terahertz Emission Enhancement in Semi- Insulating Gallium Arsenide Integrated with Subwavelength One-Dimensional Metal Line Array	9 2 -



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81	Science	San Diego-McGlone, Maria Lourdes	Comanagement for Aquaculture: Suggestions from a Comparative Study Between Two Major Production Areas of Milkfish in the Philippines	<i>o u n o A A u u u 2</i> <i>29 - u 2</i>
82	Science	Singidas, Bess G. Sarmago, Roland V.	Optical Transmittance Investigation of 1-keV Ion-Irradiated Sapphire Crystals as Potential VUV to NIR Window Materials of Fusion Reactors	<i>A A n o 2</i>
83	Science	Singidas, Bess G. Sarmago, Roland V.	ZnO Crystal as a Potential Damage-Recoverable Window Material for Fusion Reactors	<i>2 - 2</i>
84	Science	Siringan, Fernando P.	Coral-Based Holocene Sea Level of Paraoir, Western Luzon, Philippines	<i>o u n o A n n</i> <i>2 - u n 2</i>
85	Science	Siringan, Fernando P.	Historical Record of Nuclear Activities from <sup>129</sup> I in Corals from the Northern Hemisphere (Philippines)	<i>o u n o n o n n</i> <i>o - o 2</i>
86	Science	Siringan, Fernando P. Doctor, Angelique A.	-414.48 Td [2.a-2.7702(a)4.24083(n)0.275.785701( )0.136644(f)3.1813(o)0.2op,)0.136644( )25	

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89	Science	Valle, Demetrio Jr. L. Paclibare, Phyllis Anne P. Rivera, Windell L.	Molecular and Phenotypic Characterization of Methicillin-Resistant Staphylococcus aureus Isolates from a Tertiary Hospital in the Philippines	Journal of Microbiology and Biotechnology 9 2
90	Science	Velarde, Michael C.	Positive and Negative Effects of Cellular Senescence During Female Reproductive Aging and Pregnancy	Journal of Cellular Biochemistry 2- 2
91	Science & MNH (UPLB)	Duya, Mariano Roy M. Duya, Melizar V. Alviola, Phillip A.	Diversity of Small Mammals in Montane and Mossy Forests on Mount Cetaceo, Cagayan Province, Luzon	Journal of Biogeography n 2 - 2 2
92	Science & Science (UPB)	Blas, Nikki T. Addawe, Joel M. David, Guido	A Mathematical Model of Transmission of Rice Tungro Disease by Nephotettix virescens	Journal of Applied Mathematics A on n o n 2 o 2
93	Statistics	Barrios, Erniel B.	Small Area Estimation with Spatiotemporal Mixed Model	Journal of Statistical Theory and Applications n n 2 - 2
94	Statistics	Eustaquio, John D.	Nonparametric Hypothesis Testing for Isotonic Survival Models with Clustering	Journal of Statistical Theory and Applications - 2 2 n n 2
95	Statistics	Lansangan, Joseph Ryan G.	Quantile and Restricted Maximum Likelihood Approach for Robust Regression of Clustered Data	Journal of Statistical Theory and Applications n n 2 - 2
96	Statistics	Lansangan, Joseph Ryan G.	Semiparametric Probit Model for High-Dimensional Clustered Data	Journal of Statistical Theory and Applications n n 2 - 2
97	Statistics	Lansangan, Joseph Ryan G.	SPCR-Based Control Chart for Autocorrelated Processes with High Dimensional Exogenous Variables	Journal of Statistical Theory and Applications n n 2 - 2
98	VSB	Rey, Mia Pang Suan, Ivy D.C.	A Sustainability Model for Small Health Maintenance Programs	Journal of Sustainability n n 2 - 9 2