

2017 International Publication Awardees
2017 Publications (Journal Articles and Conference Papers)

UP DILIMAN

(as of 31 December 2017)

SEQ	UNIT	AUTHOR(S)	TITLE	JOURNAL
1	Architecture	Bo-ot, Luis Ma T.	Characterization of a Microwave-Induced Atmospheric-Pressure Ar–N ₂ Plasma Pencil	<i>IEEE Transaction on Plasma Science</i> , 45 (2): 301-309, February 2017
2	ASP	Crozier, Rebecca	A Newly Assembled Human Skeletal Reference Collection of Modern and Identified Filipinos	<i>Forensic Science International</i> , 271: 128.e1-128.e5, February 2017
3	ASP	Pawlik, Alfred	Use-Related or Contamination? Residue and Use-Wear Mapping on Stone Tools used for Experimental Processing of Plants from Southeast Asia	<i>Quaternary International</i> , 427 (Part B): 80-93, 12 January 2017
4	CAL	Cruz, Conchitina	The (Mis)Education of the Filipino Writer: The Tiempo Age and Institutionalized Creative Writing in the Philippines	<i>Kritika Kultura</i> , 28: 3-34, February 2017
5	CAL	Garcia, J. Neil C.	Translation and the Limits of Minority Discourse in the Philippines	<i>Continuum-Journal of Media & Cultural Studies</i> , 31 (1): 24-32, 2017
6	CAL	Lee, Gabriela	A Lover's Guide to Breakfast Places	<i>Kritika Kultura</i> , 29: 386-395, 2017
7	CHE	Gabriel, Alonzo A.	Utility of UV-C Radiation as Anti- <i>Salmonella</i> Decontamination Treatment for Desiccated Coconut Flakes	<i>Food Control</i> , 71: 117–123, January 2017

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8	CHE	Gabriel, Alonzo A. Dela Rosa, Marie Jo J. Madriaga, Hannah P.	Combinatorial Bacteriostatic Activities of Garlic Bulb-, Lemon Peel- and Orange Peel Extracts Against Common Foodborne Bacteria in a Tomato-Based Pasta Meat Sauce	<i>Food Science and Technology Research</i> , 23 (2): 169-179, 2017
9	CHE	Gabriel, Alonzo A. Ables, Errol John O. Tiangson-Bayaga, Cecile Leah P.	Estimation of Grapefruit Juice Color Degradation from Physicochemical Properties and Thermal Inactivation Parameters of <i>E. coli</i> O157:H7	<i>Philippine Journal of Science</i> , 146 (1): 65-79, March 2017
10	CHE	Gabriel, Alonzo A. Vera, Desiree D. Lazo, Olga Monina Y. Azarcon, Vallerie B. De Ocampo, Cleomelle G. Marasigan, Jovelyn C. Sandel, Gloria T.	Ultraviolet-C Inactivation of <i>Escherichia coli</i> O157:H7, <i>Listeria monocytogenes</i> , <i>Pseudomonas aeruginosa</i> , and <i>Salmonella enterica</i> in Liquid Egg White	<i>Food Control</i> , 73 (Part B): 1303-1309, March 2017
11	CHE	Gabriel, Alonzo A. Marquez, Gladys Gaile F.	Inactivation Behaviors of Selected Bacteria in Ultraviolet-C-Treated Human Breast Milk	<i>Innovative Food Science & Emerging Technologies</i> , 41: 216-223, June 2017
12	CHK	Valleser, Christian Wisdom M.	Common Injuries of Collegiate Tennis Players	<i>Montenegrin Journal of Sports Science and Medicine</i> , 6 (2): 43-47, 1 September 2017
13	CMC	Labor, Jonalou S.	Constructs of Development from Inside the Development Communication Syllabi	<i>International Journal of Asia-Pacific Studies</i> , 13 (2): 23-44, 2017
14	CMC	Paragas, Fernando dIc.	Annual Reports as Autobiography: A Tale of a Television Company	<i>Humanities Diliman</i> , 14 (1): 69-90, January-June 2017
15	CSSP	Clemente, Jose Antonio R.	Filipino Adolescents' Conceptions of Socioeconomic Mobility: a Consensual Qualitative Research	<i>Child Indicators Research</i> , 10 (1): 117-140, March 2017

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16	CSSP	Go, Jan Robert R.	Of Choices, Changes, and Challenges: The Philippines in 2016	<i>Philippine Political Science Journal</i> , 38 (1): 48-73, 2017
17	CSSP	Hernandez, Carolina G.	The Philippines in 2016: The Year That Shook the World	<i>Asian Survey</i> , 57 (1): 135-141, January/February 2017
18	CSSP	Lanuza, Gerry M.	Making and Selling the "Rock Star Pope": The Celebritization of Pope Francis during His Five-Day Visit to the Philippines	<i>Humanities Diliman</i> , 14 (1): 1-45, January-June 2017
19	CSSP	Manalastas, Eric Julian D. Torre, Beatriz A.	Homonegativity in Southeast Asia: Attitudes Toward Lesbians and Gay Men in Indonesia, Malaysia, the Philippines, Singapore, Thailand, and Vietnam	<i>Asia-Pacific Social Science Review</i> , 17 (1): 25-33, June 2017
20	CSSP	Marquez, Leander P.	Critical Thinking in Philippine Education: What We Have and What We Need	<i>Journal for Critical Education Policy Studies</i> , 15 (2): 272-303, October 2017
21	CSSP	Saguin, Kristian Karlo C.	Producing an Urban Hazardscape Beyond the City	<i>Environment and Planning A</i> , 49 (9): 1968-1985, September 2017
22	Economics	Debuque-Gonzales, Margarita Gochoco-Bautista, Maria Socorro	Financial Conditions Indexes and Monetary Policy in Asia	<i>Asian Economic Papers</i> , 16 (2): 83-117, Summer 2017
23	Economics	Escresa-Guillermo, Laarni	A New Cross-National Measure of Corruption	<i>The World Bank Economic Review</i> , 31 (1): 196-219, 1 February 2017
24	Economics	Pajaron, Marjorie C.	The Role of Remittances as a Risk-Coping Mechanism: Evidence from Agricultural Households in Rural Philippines	<i>Asian and Pacific Migration Journal</i> , 26 (1): 3-30, March 2017

SEQ	UNIT	AUTHOR(S)	TITLE	JOURNAL
25	Engineering	Alamani, Bryan G.	Molecular Modifiers of Kidney Stones	<i>Current Opinion in Nephrology & Hypertension</i> , 26 (4): 256–265, July 2017
26	Engineering	Alipio, Melchizedek Tiglaio, Nestor Michael	Cache-Based Transport Protocols in Wireless Sensor Networks: A Survey and Future Directions	<i>Journal of Network and Computer Applications</i> , 88: 29-49, 15 June 2017
27	Engineering	Arazo, Renato O. Genuino, Divine Angela D. de Luna, Mark Daniel G.	Bio-Oil Production from Dry Sewage Sludge by Fast Pyrolysis in an Electrically-Heated Fluidized Bed Reactor	<i>Sustainable Environment Research</i> , 27 (1): 7-14, January 2017
28	Engineering	Balela, Mary Donnabelle L. Pelicano, Christian Mark O.	In Situ Mixed Potential Study of the Growth of Zinc Oxide Hierarchical Nanostructures by Wet Oxidation of Zinc Foil	<i>Journal of Materials Science</i> , 52 (4): 2319–2328, February 2017
29	Engineering	Balela, Mary Donnabelle L. Pelicano, Christian Mark O.	Formation of Zinc Oxide Nanostructures by Wet Oxidation of Vacuum Deposited Zn Thin Film	<i>Optical and Quantum Electronics</i> , 49 (1): Article 3, 11 pages, January 2017
30	Engineering	Cabarle, Francis George C. Adorna, Henry N.	CuSNP: Spiking Neural P Systems Simulators in CUDA	<i>Romanian Journal of Information Science and Technology</i> , 20 (1): 57-70, 2017
31	Engineering	Cagomoc, Charisse Marie D. Vasquez, Magdaleno Jr. R.	Enhanced Chromium Adsorption Capacity Via Plasma Modification of Natural Zeolites	<i>Japanese Journal of Applied Physics</i> , 56 (1S): 5 pages, January 2017
32	Engineering	Caldona, Eugene B. Pajarito, Bryan B.	A Review on Rubber-Enhanced Polymeric Materials	<i>Polymer Reviews</i> , 57 (2): 311-338, 2017
33	Engineering	Caldona, Eugene B. Pajarito, Bryan B.	Novel Anti-Corrosion Coatings from Rubber-Modified Polybenzoxazine-Based Polyaniline Composites	<i>Applied Surface Science</i> , 422: 162-171, 15 November 2017

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34	Engineering	Caldona, Eugene B. Pajarito, Bryan B.	Superhydrophobic Rubber-Modified Polybenzoxazine/SiO ₂ Nanocomposite Coating with Anticorrosion, Anti-Ice, and Superoleophilicity Properties	<i>Industrial & Engineering Chemistry</i> , 56 (6): 1485–1497, 2017
35	Engineering	Camacho, Daniel Angelo C. De Leon, Rizalinda L.	Comparison of Layer-Forming and Bromine-Doping Methods of Pentacene Layer in Solid-State Dye-Sensitized Solar Cell	<i>Key Engineering Materials</i> , 733: 17-21, 2017
36	Engineering	Dahonog, Luigi A. Tapia, Alvin Karlo G.	Electrical Properties of Al-, Cu-, Zn- Rice husk Charcoal Junctions	<i>2nd International Symposium on Frontier of Applied Physics (ISFAP 2016), Journal of Physics: Conference Series</i> , 012015, 2017
37	Engineering	Danao, Louis Angelo M.	Analytical and Numerical Investigation of Unsteady Wind for Enhanced Energy Capture in a Fluctuating Free-Stream	<i>Energy</i> , 121: 854–864, 15 February 2017
38	Engineering	de Guzman, Nathaniel Balela, Mary Donnabelle L.	Growth of Ultralong Ag Nanowires by Electroless Deposition in Hot Ethylene Glycol for Flexible Transparent Conducting Electrodes	<i>Journal of Nanomaterials</i> , 2017: 7896094, 14 pages, 2017
39	Engineering	de Luna, Mark Daniel Millanar, Jessa Marie	Gas phase Catalytic Oxidation of VOCS using Hydrothermally Synthesized Nest-like K-OMS 2 Catalyst	<i>Sains Malaysiana</i> , 46 (2): 275-283, 2017
40	Engineering	Dela Peña, Eden May B.	Electrochemical Effect of Copper Gleam Additives during Copper Electrodeposition	<i>Transactions of the IMF, The International Journal of Surface Engineering and Coatings</i> , 95 (3): 158-164, 2017

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41	Engineering	Ensano, Benny Marie B. de Luna, Mark Daniel G.	Removal of Pharmaceuticals from Wastewater by Intermittent Electrocoagulation	<i>Water</i> , 9 (85): w9020085, 15 pages, 2017
42	Engineering	Espiritu, Richard	Degradation of Radiation Grafted Hydroxide Anion Exchange Membrane Immersed in Neutral pH: Removal of Vinylbenzyl Trimethylammonium Hydroxide Due to Oxidation	<i>Journal of Materials Chemistry A</i> , 5 (3): 1248-1267, 21 January 2017
43	Engineering	Genuino, Divine Angela D. de Luna, Mark Daniel G.	Application of Artificial Neural Network in the Modeling and Optimization of Humic Acid Extraction from Municipal Solid Waste Biochar	<i>Journal of Environmental Chemical Engineering</i> , 5 (4): 4101-4107, August 2017
44	Engineering	Leuterio, Giselle Lou D. Pajarito, Bryan B. Mejia, Kliff Richmond P. Mendoza, Louis Martin G. Oquendo, Joyce S.	Effect of Type of Amine Salt and Surfactant on the Water Sorption and Flexural Properties of Modified Zeolite/Polyester Composites	<i>5th International Conference on Material Science and Engineering Technology, ICMSET 2016, Materials Science Forum</i> , 890: 28-31, 2017
45	Engineering	Maalihan, Reymark D. Pajarito, Bryan B.	Temperature Dependence of Degradation of Colored Oxo-Biodegradable Low-Density Polyethylene Films under Accelerated Thermal Aging	<i>5th International Conference on Material Science and Engineering Technology, ICMSET 2016, Materials Science Forum</i> , 890: 82-85, 2017
46	Engineering	Manapat, Jill Z.	3D Printing of Polymer Nanocomposites via Stereolithography	<i>Macromolecular Materials and Engineering</i> , 302 (9): 1600553, 13 pages, September 2017
47	Engineering	Manapat, Jill Z.	High-Strength Stereolithographic 3D Printed Nanocomposites: Graphene Oxide Metastability	<i>ACS Applied Materials & Interfaces</i> , 9 (11): 10085–10093, 22 March 2017

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48	Engineering	Montealegre, Charlimagne M. Ilao, Allieson C. Mendoza, Raphael Victor T. de Leon, Rizalinda L.	Effect of Blumea Balsamifera Extract in the Kinetics of Calcium Oxalate Crystallisation	<i>Chemical Engineering Transactions, 56: 1633-1638, 2017</i>
49	Engineering	Ocon, Joey D.	Employing Electrochemical Reduced Graphene Oxide as a Co-Catalyst for Synergistically Improving the Photoelectrochemical Performance of Nanostructured Hematite Thin Films	<i>Journal of the Taiwan Institute of Chemical Engineers, 71: 510–517, February 2017</i>
50	Engineering	Ocon, Joey D.	In situ Ni-Doping During Cathodic Electrodeposition of Hematite for Excellent Photoelectrochemical Performance of nanostructured Nickel Oxide-Hematite p-n Junction Photoanode	<i>Applied Surface Science, 392: 144–152, 15 January 2017</i>
51	Engineering	Olegario-Sanchez, Eleanor Tan, Michael Mendoza, Herman Balela, Mary Donnabelle	Copper-Treated Philippine Natural Zeolites for Escherichia coli Inactivation	<i>Material Science Forum, 890: 150-154, 2017</i>
52	Engineering	Ondoy, Karl C. Pajarito, Bryan B.	Epoxidation of Waste Rubber/Zeolite Powder as Potential Filler for Epoxy Resin	<i>5th International Conference on Material Science and Engineering Technology, ICMSET 2016, Materials Science Forum, 890: 64-67, 2017</i>

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53	Engineering	Pajarito, Bryan B. Quizon, Mara Angelika E. Marquez, Rofel Anne L. Bermio, Patricia Bianca C.	Modeling the Hardness and Mechanical Properties of Moulded Natural Rubber Pad	<i>5th International Conference on Material Science and Engineering Technology, ICMSET 2016, Materials Science Forum, 890: 54-58, 2017</i>
54	Engineering	Pajarito, Bryan B. Dang-awan, Danzen F. Felipe, Mikhael Anthony A. Handa, Kevin C.	Desorption Behavior of Epoxy/Amine-Coated Polyester Triangular Bar Composites Pre-Exposed to Acid Environment	<i>5th International Conference on Material Science and Engineering Technology, ICMSET 2016, Materials Science Forum, 890: 3-7, 2017</i>
55	Engineering	Pajarito, Bryan B. Gines, Kimberly A. Baluyut, Angelica S. de Leon, Jennielyn Aina A. Villa, Ralph P.	Effect of Replacing Carbon Black with Organo-Modified Bentonite and Acid-Activated Zeolite on Vulcanization Characteristics of Natural Rubber Tire Tread	<i>5th International Conference on Material Science and Engineering Technology, ICMSET 2016, Materials Science Forum, 890: 59-63, 2017</i>
56	Engineering	Perez, Jem Valerie D. Dalida, Maria Lourdes P.	Response Surface Methodology as a Powerful Tool to Optimize the Synthesis of Polymer-Based Graphene Oxide Nanocomposites for Simultaneous Removal of Cationic and Anionic Heavy Metal Contaminants	<i>RSC Advances, 7 (30):18480-18490, 2017</i>
57	Engineering	Pinton, Noel Jeffrey P. Pajarito, Bryan B.	Effect of Replacing Carbon Black with Surfactant-Modified Natural Feldspar on Mechanical Properties of Natural Rubber Composites	<i>5th International Conference on Material Science and Engineering Technology, ICMSET 2016, Materials Science Forum, 890: 24-27, 2017</i>

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58	Engineering	Ramis, Jopeth M. Pajarito, Bryan B.	Characterization and Multi-Response Morphological Optimization for Preparation of Defect-Free Electrospun Nanofibers using the Taguchi Method	<i>Journal of Biomimetics, Biomaterials and Biomedical Engineering</i> , 30: 61-75, 2017
59	Engineering	Razonado, Ivy Ann C. Diaz, Leslie Joy L.	Elastomeric Properties in Thermosetting Polymer Induced by Nanoclay Addition	<i>Materials Science Forum</i> , 894: 99-103, 2017
60	Engineering	Requejo, Benedict A. Pajarito, Bryan B.	Effect of Degrading Transparent Oxo-Biodegradable Polyethylene Plastic Bags to Water Quality	<i>Materials Science Forum</i> , 890: 137-140, 2017
61	Engineering	Rosales, Marc D.	An 850 nm SiGe/Si HPT with a 4.12 GHz Maximum Optical Transition Frequency and 0.805A/W Responsivity	<i>International Journal of Microwave and Wireless Technologies</i> , 9 (1): 17-24, 1 February 2017
62	Engineering	Rosete, Maricar M. Sarmago, Roland V.	Effect of Potassium Chloride as a Supporting Electrolyte on the Dispersion Towards the Fabrication of Films by Electrophoretic Deposition of Bi ₂ Sr ₂ CaCu ₂ O ₈ in Ethanol	<i>Journal of Superconductivity and Novel Magnetism</i> , 30 (7): 1833–1838, July 2017
63	Engineering	Taaca, Kathrina Lois M. Vasquez, Magdaleno Jr. R.	Fabrication of Ag-Exchanged Zeolite/Chitosan Composites and Effects of Plasma Treatment	<i>Microporous and Mesoporous Materials</i> , 241: 383–391, 15 March 2017
64	Engineering	Tan, Michael R. Balela, Mary Donnabelle L.	Electrochemical Investigation of the Growth of Copper Nanowires in the Presence of Ethylenediamine through Mixed Potential	<i>Journal of the Electrochemical Society</i> , 164 (7): D386-D393, 2017

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65	Engineering	Tilendo, Amierson C. Pajarito, Bryan B.	Reinforcement of Stereolithography Resin with Silica-Based Fillers	<i>5th International Conference on Material Science and Engineering Technology, ICMSET 2016, Materials Science Forum, 890: 74-77, 2017</i>
66	Engineering	Tungpalan, Kate	The Influence of Veins on Mineral Liberation as Described by Random Masking Simulation	<i>Minerals Engineering, 100: 109–114, January 2017</i>
67	Engineering & Science	De Guzman, Nathaniel Lopez Joybelle Vasquez, Magdaleno Jr. Balela, Mary Donnabelle	Conductivity Improvement of Silver Nanowire Transparent Electrodes by Surface Plasma Treatment	<i>Materials Science Forum, 890: 89-92, 2017</i>
68	NCPAG	Alampay, Erwin A.	Transformation in Philippine Local Government	<i>Local Government Studies, 43 (1): 64-88, 2017</i>
69	NCPAG	Berse, Kristoffer	Climate Change from the Lens of Malolos Children: Perception, Impact and Adaptation	<i>Disaster Prevention and Management, 26 (2): 217-229, 2017</i>
70	NISMED	Ronda, Erlina	Mining Mathematics in Textbook Lessons	<i>International Journal of Science and Mathematics Education, 15 (6): 1097–1114, August 2017</i>
71	Science	Aguilar, Ritz Ann P. Hermosa, Nathaniel P.	Quadrant Detector Sensitivity and Linearity Index Measurement with Laguerre-Gaussian Beams	<i>Proceedings of SPIE - The International Society for Optical Engineering, 10098: 100980, 7 pages, 2017</i>
72	Science	Agulto, Verdad C. Sarmago, Roland V.	FTIR and UV-Visible Absorbance Studies of Hydrothermally Grown ZnO Coated with Polyvinylpyrrolidone	<i>Materials Science Forum, 895: 73-78, 2017</i>

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73	Science	Amarra, Carmen	Affine Primitive Symmetric Graphs of Diameter Two	<i>Ars Mathematica Contemporanea</i> , 13: 137-165, 2017
74	Science	Anticamara, Jonathan A.	Impacts of Super-Typhoon Yolanda on Philippine Reefs and Communities	<i>Regional Environmental Change</i> , 17 (3): 703–713, March 2017
75	Science	Apaga, Dame Loveliness T. Dennis, Sheila E. Salvador, Jazelyn M. Calacal, Gayvelline C. De Ungria, Maria Corazon A.	Comparison of Two Massively Parallel Sequencing Platforms using 83 Single Nucleotide Polymorphisms for Human Identification	<i>Scientific Reports</i> , 7: 398, 6 pages, 2017
76	Science	Atrigenio, Michael Aliño, Porfirio Conaco, Cecilia	Influence of the Blue Coral <i>Heliopora coerulea</i> on Scleractinian Coral Larval Recruitment	<i>Journal of Marine Biology</i> , 2017: 6015143, 5 pages, 2017
77	Science	Aurelio, Mario A. Dianala, John Dale B.	Seismotectonics of the 6 February 2012 Mw 6.7 Negros Earthquake, Central Philippines	<i>Journal of Asian Earth Sciences</i> , 142: 93-108, July 2017
78	Science	Batac, Rene C. Paguirigan, Antonino Jr. A.	Sandpile-based Model for Capturing Magnitude Distributions and Spatiotemporal Clustering and Separation in Regional Earthquakes	<i>Nonlinear Processes in Geophysics</i> , 24 (2): 179-187, 27 April 2017
79	Science	Beltran, Ryan James Cabarrubias, Bituin Roque, Marian	On the Solvability of a Class of a Quasilinear Elliptic Partial Differential Equation	<i>Philippine Journal of Science</i> , 146 (2): 137-143, June 2017
80	Science	Benjamin, Caryl S. Punongbayan, Andalus T. dela Cruz, Dexter W. Baria, Maria Vanessa B. Yap, Helen T.	Use of Bayesian Analysis with Individual-Based Modeling to Project Outcomes of Coral Restoration	<i>Restoration Ecology</i> , 25 (1): 112–122, January 2017

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81	Science	Bernardo, Reginald Christian S. Esguerra, Jose Perico H.	Euclidean Path Integral Formalism in Deformed Space with Minimum Measurable Length	<i>Journal of Mathematical Physics</i> , 58 (4): 042103, 8 pages, 1 April 2017
82	Science	Bruzon, Dwight Angelo Tiongson, Julius Kim Tapang, Giovanni Martinez, Imee Su	Electroreduction and Solubility of CO ₂ in Methoxy- and Nitrile-Functionalized Imidazolium (FAP) Ionic Liquids	<i>Journal of Applied Electrochemistry</i> , 47 (11): 1251–1260, November 2017
83	Science	Cabello, Neil Irvin Tingzon, Philippe Cervantes, Kerr Cafe, Arven Lopez, Joybelle Mabilangan, Arvin De Los Reyes, Alexander Lopez, Lorenzo Jr. Salvador, Arnel Somintac, Armando Estacio, Elmer	Luminescence and Carrier Dynamics in Nanostructured Silicon	<i>Journal of Luminescence</i> , 186: 312–317, June 2017
84	Science	Cafe, Arven I. Lopez, Joybelle Lopez, Lorenzo Jr. Faustino, Maria Angela Mabilangan, Arvin Salvador, Arnel Somintac, Armando	Porous Silicon Optical Template for Determination of Chromatic Dispersion of Transparent Liquid Mixture	<i>11th Asian Conference on Chemical Sensors, AIP Conference Proceedings</i> , 1808, 020012, 2017
85	Science	Calayag, Alyzza Marie B. Paclibre, Phyllis Anne P. Santos, Pauline Dianne M. Rivera, Windell L.	Molecular Characterization and Antimicrobial Resistance of <i>Salmonella enterica</i> from Swine Slaughtered in Two Different Types of Philippine Abattoir	<i>Food Microbiology</i> , 65: 51-56, August 2017

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86	Science	Calderon, Pio Gabrielle B. de los Reyes, Aurelio V. A.	Control Aspects of the Human Cardiovascular-Respiratory System under a Nonconstant Workload	<i>Mathematical Biosciences</i> , 289: 142-152, July 2017
87	Science	Celeste, Ritchell O. Gonzales, Ken Joffaniel M.	Rook Theoretic Proofs of some Identities Related to Spivey's Bell Number Formula	<i>Ars Combinatoria</i> , 132: 11-26, 2017
88	Science	Cruz, Philip Christopher S. Bernardo, Reginald Christian S. Esguerra, Jose Perico H.	Energy Levels of a Quantum Particle on a Cylindrical Surface with Non-Circular Cross-Section in Electric and Magnetic Fields	<i>Annals of Physics</i> , 379: 159-174, April 2017
89	Science	Da-Anoy, Jeric P. Cabaitan, Patrick C. Conaco, Cecilia	Effects of Coral Extracts on Survivorship, Swimming Behavior, and Settlement of <i>Pocillopora damicornis</i> Larvae	<i>Journal of Experimental Marine Biology and Ecology</i> , 486: 93-97, January 2017
90	Science	Dasallas, Lean L. Lacaba, Arriane Garcia, Wilson O.	Influence of Substrate Heat Treatment to the Structural Properties of Nd:YAG Thin Films Produced by Femtosecond Pulsed Laser Deposition	<i>e-Journal of Surface Science and Nanotechnology</i> , 15: 25-30, 30 March 2017
91	Science	David, Carlos Primo C.	Stream Sediment Geochemical Mapping of the Mount Pinatubo-Dizon Mine Area, the Philippines: Implications for Mineral Exploration and Environmental Risk	<i>Journal of Geochemical Exploration</i> , 175: 18-35, April 2017
92	Science	David, Fredegusto Guido	Accommodation of the Human Lens Capsule using a Finite Element Model Based on Nonlinear Regionally Anisotropic Biomembranes	<i>Computer Methods in Biomechanics and Biomedical Engineering</i> , 20 (3): 302-307, 2017
93	Science	de la Cruz, Ralph John Paras, Agnes T.	Every $2n$ -by- $2n$ Complex Matrix is a Sum of Three Symplectic Matrices	<i>Linear Algebra and its Applications</i> , 517: 199-206, 15 March 2017
94	Science	de la Cruz, Ralph John Paras, Agnes T.	Skew ϕ Polar Decompositions	<i>Linear Algebra and its Applications</i> , 531: 129-140, 15 October 2017

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95	Science	De Los Reyes, Alexander Prieto, Elizabeth Ann Omambac, Karim Porquez, Jeremy Lopez, Lorenzo Jr. Gonzales, Karl Cedric Vasquez, John Daniel Tumanguil, Mae Agatha Muldera, Joselito Somintac, Armando Estacio, Elmer Salvador, Arnel	Terahertz Emission Characteristics of GaMnAs Dilute Magnetic Semiconductor under 650 mT External Magnetic Field	<i>Current Applied Physics</i> , 17 (4): 522–526, April 2017
96	Science	Dimalanta, Carla B.	Diverse Protolith Ages for the Mindoro and Romblon Metamorphics (Philippines): Evidence from Single Zircon U–Pb Dating	<i>Island Arc</i> , 26 (1): e12160, 17 pages, 1 January 2017
97	Science	Dumilag, Richard V. Aguinaldo, Zae-Zae A.	Genetic Differentiation and Distribution of <i>Pyropia acanthophora</i> (Bangiales, Rhodophyta) in the Philippines	<i>European Journal of Phycology</i> , 52 (1): 104-115, 2017
98	Science	Gabo-Ratio, Jillian Aira S.	Re–Os and U–Pb Geochronology of the Shazigou Mo Polymetallic Ore Field, Inner Mongolia: Implications for Permian–Triassic Mineralization at the Northern Margin of the North China Craton	<i>Ore Geology Reviews</i> , 83: 287–299, April 2017
99	Science	Gajigan, Andrian P. Conaco, Cecilia	Resilience of the Prokaryotic Microbial Community of <i>Acropora digitifera</i> to Elevated Temperature	<i>MicrobiologyOpen</i> , 6 (4): e00478, 11 pages, August 2017
100	Science	Gajigan, Andrian P. Conaco, Cecilia	A MicroRNA Regulates the Response of Corals to Thermal Stress	<i>Molecular Ecology</i> , 26 (13): 3472–3483, July 2017

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101	Science	Galapon, Eric A.	The Problem of Missing Terms in Term by Term Integration Involving Divergent Integrals	<i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 473 (2197), 20160567, 18 pages, 1 January 2017
102	Science	Gibe, Hezron P. Cayetano, Mylene G.	Spatial Estimation of Air PM2.5 Emissions using Activity Data, Local Emission Factors and Land Cover Derived from Satellite Imagery	<i>Atmospheric Measurement Techniques</i> , 10 (9): 3313-3323, 2017
103	Science	Juinio-Meñez, Marie Antonette Gorospe, Jay R C. Edullantes, Christine Mae A. Rioja, Rose Angeli V.	Adaptive and Integrated Culture Production Systems for the Tropical Sea Cucumber <i>Holothuria scabra</i>	<i>Fisheries Research</i> , 186 (Part 2): 502–513, February 2017
104	Science	Lope, Jose Ernie C. Ona, Mark Philip F.	Solvability of a System of Totally Characteristic Equations Related to Kähler Metrics	<i>Electronic Journal of Differential Equations</i> , 2017 (51): 1-15, 2017
105	Science	Loquias, Manuel Joseph C.	Rational Digit Systems Over Finite Fields and Christol's Theorem	<i>Journal of Number Theory</i> , 171: 358–390, February 2017
106	Science	Marquez, Cielo Mae D. Ibana, Joyce A. Velarde, Michael C.	The Female Reproduction and Senescence Nexus	<i>American Journal of Reproductive Immunology</i> , 77 (5): e12646, 7 pages, May 2017
107	Science	Mendoza, Renier	A Two-Phase Segmentation Approach to the Impedance Tomography Problem	<i>Inverse Problems</i> , 33 (1): 015001, 24 pages, January 2017

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108	Science	Paclibre, Phyllis Anne P. Calayag, Alyzza Marie B. Santos, Pauline Dianne M. Rivera, Windell L.	Molecular Characterization of <i>Salmonella enterica</i> Isolated from Raw and Processed Meats from Selected Wet Markets in Metro Manila, Philippines	<i>Philippine Agricultural Scientist</i> , 100 Special Issue: s55-s62, July 2017
109	Science	Pagoso, Edison Jay A. Rivera, Windell L.	<i>Cryptosporidium</i> Species from Common Edible Bivalves in Manila Bay, Philippines	<i>Marine Pollution Bulletin</i> , 119 (1): 31-39, 15 June 2017
110	Science	Palomar-Abesamis, Nadia Juinio-Meñez, Marie Antonette	Distribution and Microhabitat Associations of the Juveniles of a High-Value Sea Cucumber, <i>Stichopus</i> cf. <i>horrens</i> , in Northern Philippines	<i>Aquatic Ecology</i> , 51 (1): 17–31, March 2017
111	Science	Paraoan, Cielo Emar M. Rivera, Windell L. Vital, Pierangeli G.	Detection of Class I and II Integrons for the Assessment of Antibiotic and Multidrug Resistance among <i>Escherichia coli</i> Isolates from Agricultural Irrigation Waters in Bulacan, Philippines	<i>Journal of Environmental Science and Health Part B, Pesticides, Food Contaminants, and Agricultural Wastes</i> , 52 (5): 306-313, 2017
112	Science	Rendon, Rhoshela Vi C. Garcia, Bea Clarise B. Vital, Pierangeli G.	Assessment of Airborne Bacteria in Selected Occupational Environments in Quezon City, Philippines	<i>Archives of Environmental & Occupational Health</i> , 72 (3): 178-183, 2017
113	Science	Ringor, Cherry L. Villanueva, Jancel Carlo B. Garcia, Alexis Karla H.	Multiwalled Carbon Nanofibers and Nanocapsules Synthesized from Plant Oil via Atmospheric CVD Process	<i>Journal of Nanoscience and Nanotechnology</i> , 17 (5): 3543-3550, May 2017
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117	Science	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
118	Science	Santos, Brian S. Canoy, Reynand Jay C. Tango-Imperial, Jazzlyn M. Quilang, Jonas P.	Length – Weight and Length – Length Relationships, Condition Factor, Sex Ratio and Gonadosomatic Index of the Ariid Catfishes <i>Arius dispar</i> and <i>Arius manillensis</i> (Siluriformes: Ariidae) in Laguna de Bay, Philippines	<i>Philippine Journal of Science</i> , 146 (1): 85-94, March 2017
119	Science	Santos, Brian S. Basiao, Zubaida U.	Morphological Differences in Five Strains of Genetically Improved Nile tilapia (<i>Oreochromis niloticus</i>) using Geometric Morphometrics	<i>Journal of International Society for Southeast Asian Agricultural Sciences</i> , 23 (1): 44-55, 2017
120	Science	Singidas, Bess G. Sarmago, Roland V.	Optical Damage Assessment and Recovery Investigation of Hydrogen-Ion and Deuterium-Ion Plasma-Irradiated Bulk ZnO Single Crystals	<i>Journal of Applied Physics</i> , 121 (17): 175102, 11 pages, 2017
121	Science	Siringan, Fernando	Hot Spring Resort Development in Laguna Province, Philippines: Challenges in Water Use Regulation	<i>Journal of Hydrology: Regional Studies</i> , 11: 96-106, June 2017

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124	Science	Zumaraga, Mark Pretzel Recto, Juan Miguel Palmes-Saloma, Cynthia	Targeted Next Generation Sequencing of the Entire Vitamin D Receptor Gene Reveals Polymorphisms Correlated with Vitamin D Deficiency Among Older Filipino Women with and without Fragility Fracture	<i>Journal of Nutritional Biochemistry</i> , 41: 98–108, March 2017
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131	Science & Faculty of Education (UPOU)	Rosario, Leo Mendel D. Salapare, Hernando III S. Soriano, Maricor N.	Topological Characterization of Plasma- Etched Polymer Surface using Discontinuous Percolation Transition	<i>Materials Chemistry and Physics</i> , 200: 322-330, 1 October 2017
132	Statistics	Albis, Manuel Leonard F. Mapa, Dennis S.	Bayesian Averaging of Classical Estimates in Asymmetric Vector Autoregressive Models	<i>Communications in Statistics - Simulation and Computation</i> , 46 (3): 1760-1770, 2017
133	Statistics	Barrios, Erniel B.	Nonparametric Estimation of a Switching Regression Model	<i>Communications in Statistics - Simulation and Computation</i> , 46 (2): 840-854, 2017
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140	SURP & Science	Yap, David Leonides T. Yap, Helen T.	Influencing Rural Livelihood Switching through Equipment Assets for Agroecosystems to Alleviate Pressure on Resources	<i>Agriculture, Ecosystems & Environment</i> , 248: 96-104, 1 October 2017
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