



Specialized Philippine Enterprise Reference of Experts and Scientists (SPHERES)

INFORMATION RESOURCES AND ANALYSIS DIVISION
Science and Technology Information Institute
Department of Science and Technology
Gen. Santos Ave., Bicutan, Taguig City, Philippines



ABOUT THE SPECIALIZED PHILIPPINE ENTERPRISE REFERENCE OF EXPERTS AND SCIENTISTS (SPHERES)

The Division of Documentation of the National Institute of Science and Technology published the first volume of the Philippine Men of Science in 1964. It contained one hundred one bio-bibliographies of living men and women in the field of science and technology. It keeps track of our scientists and their contributions for the information and benefit of all. The compilation aims to provide interested users a useful and effective reference.

In 2012, the 24th volume of the Philippine Men of Science was uploaded online to make it more visible and accessible to users. Subsequently, the publication was renamed as the Philippine Men and Women of Science in 2013 to adopt a gender-sensitive title.

Today, the publication is given a new name – Specialized Philippine Enterprise Reference of Experts and Scientists (SPHERES).

The SPHERES brand introduces a new function with a new focus. When it comes to Filipino scientists and experts and their bio-bibliographic information, this compilation serves as a specialized reference for the public. Now with a gender-neutral emphasis and an inclusive sphere of influence, SPHERES is the name to remember.

Each volume of SPHERES consists of two issues annually.

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CONTENTS

EXPERTS AND SCIENTISTS	PAGE
Agahan, Archimedes Lee D.	1
• Ophthalmology	
• Corneal Diseases	
• Corneal Transplantation	
• Cataract and Lasik Refractive Surgery	
• External Eye Diseases and Infection	
• Uveitis and Ocular Immunology	
• Cataract Extraction	
• Phacoemulsification	
• Astigmatism	
• Eye Surgery	
• Eye Diseases	
Alampay, Erwin Gaspar A.	4
• Social Policy	
• Communication and Media	
• Quantitative Social Research	
Amit, Arianna Maever Loreche	7
• Epidemiology	
• Biostatistics	
• Evidence Synthesis	
• Public Health	
Ates-Camino, Fritzie	9
• Zoology	
• Terrestrial Wildlife Ecology	
• Crop Pollination	
• Biodiversity	
• Conservation	
• Wildlife Conservation	
• Endangered Species	
• Herpetology	
• Reptiles	
• Frogs	

CONTENTS

EXPERTS AND SCIENTISTS	PAGE
Atienza, Maria Ela L.	11
• Local Governance	
• Comparative Politics	
• Gender and Democratization	
• Human Security	
Bernardo, Emmanuel L.	15
• Agronomy	
• Plant Physiology	
• Tissue Culture	
• Plant Tissue Culture	
• Somatic Embryogenesis	
• Horticulture	
• Environmental Science	
• Agricultural Plant Science	
Cabras, Analyñ Anzano	17
• Coleoptera	
• Systematics	
• Ecology	
• Conservation	
Cano-Mangaoang, Cherie	20
• Biodiversity	
• Butterflies	
• Odonata	
• Botany	
• Plant Taxonomy	
• Ecology	
Castillo, Jose Alan A.	21
• Forest Ecology	
• Mangrove Ecology	
• Carbon Forestry	
• GIS	
• Satellite Remote Sensing	
• Remote Sensing of Environment	
• Mangrove Blue Carbon	

CONTENTS

EXPERTS AND SCIENTISTS	PAGE
Cordero, Cynthia P.	23
• Biostatistics	
• Medical Statistics	
• Public Health	
• Medicine	
• Biochemistry	
• Genetics	
• Molecular Biology	
Crisologo, Irene	25
• Geoecology	
• Remote Sensing	
• Meteorology	
• Atmospheric Science	
Cuadro, Carla Krishan A.	28
• Gerontology	
• Mild Cognitive Impairment	
• Cognition Disorders	
• Memory	
• Cognitive Rehabilitation	
• Learning and Memory	
• Cognitive Neuroscience	
• Alzheimer's Disease	
• Cognitive Development	
• Parkinson's Disease	
Datiles, Manuel Antonio Bernaldes, III	31
• Ophthalmology	
De Mesa-Rodriguez, Roslyn	35
• Medicine	
• Clinical Microbiology	
• Chemistry	
• Hospital Epidemiology	
• Molecular Typing	
• Infection Control	

CONTENTS

EXPERTS AND SCIENTISTS	PAGE
Delima-Baron, Elsa May	36
• Herpetology	
• Wildlife Biology	
• Systematics	
• Biotechnology	
Espiritu, Adrian Isidoro	38
• Adult Neurology	
• Clinical Neurology	
• Systematic Reviews	
• Neuromyelitis Optica	
• Meta-Analysis	
Fernandez, Glenn Fiel	40
• Disaster Risk Management	
• Business Continuity Management	
• Disaster Waste Management	
• Public Management	
• Environmental Management	
• Sustainability Science	
• Internal Audit	
• Logistics Management	
• Industrial Engineering	
Gevaña, Dixon T.	45
• Climate Change	
• Coastal Forestry	
• Forest Sustainability	
Guinto, Ramon Lorenzo Luis Rosa	47
• Public Health	
• Primary Care	
• Social Epidemiology	
• Health Promotion	
• Health Care Management	
• Health Equity	
• Medical Sociology	
• Anthropology of Medicine	

CONTENTS

EXPERTS AND SCIENTISTS	PAGE
Ibañez, Jayson Carungay	50
• Qualitative Social Research	
• Biodiversity	
• Species Diversity	
• Eagles	
• Wildlife Conservation	
• Development Studies	
• Endangered Species	
• Rural, Local, & Community Development	
• Good Governance	
• Community Empowerment	
• Indigenous People	
• Indigenous Knowledge Systems	
• Indigenous Cultures	
Lasco, Paul Gideon D.	53
• Public Health	
• Medical Anthropology	
• Noncommunicable Diseases	
• Human Height	
• Politics of Health Care	
• Drugs of Abuse	
Leonardo, Lydia R.	55
• Schistosomiasis	
• Public Health	
• Parasitology	
• Medical Malacology	
• Soil-Transmitted Helminthiases	
• Food-borne Helminthiases	
Leyritana, Katerina Tolentino	59
• Psychiatry	
• Internal Medicine (General Medicine)	
• Infectious Diseases	
• HIV	
• Community Development	
• Healthcare Education	
• Healthcare Management	

CONTENTS

EXPERTS AND SCIENTISTS	PAGE
Medina, Michael Arie Padang	62
• Development Research Administration	
• Ecological Footprint	
• Climate Change Adaptation	
• Disaster Risk Reduction	
• Sustainable Development	
• Environment	
Medina, Milton Norman Dejadena	64
• Coleoptera	
• Conservation	
• Taxonomy	
• Transformative Education	
• Beetles	
• Entomology	
• Molecular Biology	
• Linnaean Taxonomy	
• Ecology	
• Environmental Science	
• Biodiversity	
Mendiola, Rikki Lee Bosita	67
• Information Systems (Business Informatics)	
• Qualitative Social Research	
• Communication and Media	
• Urban/Rural Sociology	
• Qualitative and Multi-method research	
Mercado, Susan Pineda	69
• Noncommunicable Diseases	
• Public Health	
• Tobacco dependence	
• Smoking cessation	

CONTENTS

EXPERTS AND SCIENTISTS	PAGE
Mirasol-Lumague, Maria Rica	71
• Oncology	
• Cancer	
• Epidemiology	
• Cancer Diagnostics	
• Tumor Markers	
• Prognostic Markers	
• Cancer Epidemiology	
Mohagan, Alma Baguhin	73
• Systematics (Taxonomy)	
• Entomology	
• Zoology	
• Biodiversity	
• Conservation Biology	
• Insect Ecology	
• Invertebrate Zoology	
• Insect Taxonomy	
• Insect Diversity	
• Insect Distribution	
• Butterflies	
• Vertebrate Fauna	
Nañagas, Juan Maria Pablo R.	76
• Social Policy	
• Public Policy Analysis	
• Health Care Management	
• Monitoring and Evaluation	
• Hospital Management	
• Hospitals	
• Hospital Charges	
Paguio Jenniffer Torralba	78
• Nursing	
• Nursing Education	
• Patient Safety	
• Patient Safety Culture	
• Medical Science Nursing	
• Clinical Nursing	
• Adult Health	

CONTENTS

EXPERTS AND SCIENTISTS	PAGE
Paller, Vachel Gay V.	80
• Parasitology	
• Zoology	
• Ecology	
• Public Health	
• Aquatic Ecosystems	
• Zoonoses	
• Lakes	
• Parasite Biology	
• Parasite Culture	
• Helminthology	
• Evolutionary Parasitology	
• Parasite Ecology	
• Host-Parasite Interactions	
• Fish Parasitology	
• Bioindicators	
• Food Parasitology	
Pasco, Paul Matthew D.	83
• Neurology	
• Public Health	
• Medical Technology	
• Neurological Diseases	
• Dystonia	
• Telehealth	
Pulhin, Florencia B.	86
• Silviculture and Forest Influences	
• Forest Products Engineering	
• Environmental Science	
• Forestry	
• Environment	
• Natural Resource Management	
• Biodiversity	
Puno, George R.	90
• Forestry	
• Watershed Management	
• Environmental Modeling	
• GIS	
• Geomorphology	
• Forest Management	
• Hydrology	

CONTENTS

EXPERTS AND SCIENTISTS	PAGE
<ul style="list-style-type: none">• Climate Change• Natural Resource Management	
Razonable, Raymund R.	92
<ul style="list-style-type: none">• General Infectious Diseases• Internal Medicine• Transplant• Immunology• Epidemiology• Public Health	
Redaniel, Maria Theresa	103
<ul style="list-style-type: none">• Epidemiology• Cancer• Health Inequality	
Regulacio, Michelle D.	105
<ul style="list-style-type: none">• Nanotechnology• Inorganic Chemistry• Materials Chemistry• Nanomaterial Synthesis• Nanoparticle synthesis• Semiconductor• Hybrid Materials• Quantum Dots• Colloids	
Robidillo, Christopher Jay Torres	107
<ul style="list-style-type: none">• Nanotechnology• Biochemistry• Organic Chemistry• Material Characterization• Organic Synthesis• Nanomaterials Synthesis• Surface Modification• Carbohydrate Chemistry• Enzyme Catalysis	

CONTENTS

EXPERTS AND SCIENTISTS	PAGE
Salamat, Maria Sonia S.	110
• Internal Medicine	
• Infectious Diseases	
Saniel, Ofelia Pardo	111
• Epidemiology	
• Public Health	
• Hygiene	
Santillan, Jojene R.	113
• GIS	
• Remote Sensing	
• Hydrology	
• Geoinformatics	
Sevilleja, Jesus Emmanuel Allas Dalope	116
• Epidemiology	
• Molecular Biology	
Soriano, Maricor	118
• Physics	
• Optics	
• Color	
• Image Processing	
• Machine Learning	
Trinidad, Camille V.	121
• Biochemistry	
• Microbiology	

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2018 Regalado, R.N.C., Siong, R.L.B., Agahan, A.L.D., & Felipe, A.F., Prognostic Value of the Ocular Trauma Score in Traumatic Open Globe Injuries in the Philippines: a Five-year Retrospective Study – Prognostic Value of the Ocular Trauma Score in Open Globe Injuries. *Open Access Library Journal*, 2018, 5:e4224.

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2015 Alampay, E.A. (2015 September 9). e-Local governance: Revisiting issues and challenges in the use of September 9 ICTs for citizen participation, CLRG@50 Past-Forward lecture series, National College of Public Administration and Governance Audio Visual Room, University of the Philippines, Diliman, Quezon City.

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2014 Alampay, E.A., & Cabotaje, C. (2014 September 10-12). Using Mobile Money as a Conditional Cash September 10-12 Transfer Conduit in the Philippines. CPR SOUTH 2014, Maropeng, South Africa.

- 2014 July 22-25 Alampay, E.A. (2014 July 22-25). Local Governments and Volunteer Collaboration for Disaster Risk Reduction and Mitigation in the Philippines. ISTR 2014, Muenster, Germany.
- 2013 October 22-25 Alampay, E.A. (2013 October 22-25). Harmonizing eGovernment initiatives in the Philippines: a collaborative institutional framework. ICEGOV2013, Seoul, South Korea.
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- 2008 Alampay, E.A., Filipino Entrepreneurs on the Internet: When Social Networking Websites Meet Mobile Commerce. *Science, Technology and Society*, 2008, 13(2):211-231.
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Alampay, E.A., Incorporating participation in the Philippines' e-LGU Project. *Regional Development Dialogue*, 2007, 27(2).
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Alampay, E.A., Beyond access to ICTs: Measuring capabilities in the information society. *International Journal of Education and Development using Information and Communication Technology*, 2006, 2(3):4-22.
- 2002 Soriano, E.S., Dror, D.M., Alampay, E., & Bayugo, Y.V., Chapter 19: Attitudes Toward Solidarity, Risk, and Insurance in the Rural Philippines. In: Dror, D.M., & Preker, A.S., (Eds.), *Social Reinsurance: a New Approach to Sustainable Community Health Financing*. World Bank & ILO, 2002, pp. 377-394. Available at SSRN: <https://ssrn.com/abstract=1021678>.
- 1999 Alampay, E.A., *Organizations in Development: The Changing Nature of Service Provision in the Philippines*. ISS Working Papers - General Series 19044, International Institute of Social Studies of Erasmus University Rotterdam (ISS), The Hague.

Name Arianna Maever Loreche Amit

Sex Female

Organizational Affiliations

Department of Epidemiology and Biostatistics, College of Public Health, University of the Philippines Manila, Manila, Philippines

Online Programs for Applied Learning, John Hopkins Bloomberg School of Public Health, Baltimore, United States

Fields of Specialization

Epidemiology

Biostatistics

Evidence Synthesis

Public Health

Lectures, Conferences, Posters, Oral Presentations, or Papers Presented

- 2015 November 13 Saniel, O., & Amit, A.M.L. (2015 November 13). Addressing child malnutrition through Infant and Young Child Feeding Initiatives: Results of the MDG-F 2030 Survey. 50th Anniversary of the Southeast Asian Ministers of Education Organization (SEAMEO) TROPED Philippines, CPH Auditorium, University of the Philippines, Manila, Philippines.

Publications

- 2020 Amit, A.M.L., Pepito, V.C.F., & Dayrit, M.M., (Pre-print, Perspective) The Philippines in the time of COVID-19: Early experiences and challenges of a resource-limited country. *Western Pacific Surveillance and Response Journal*. 2020, 11(5):S1, COVID-19.
- Peña, S., Cuadrado, C., Rivera-Aguirre, A., Hasdell, R., Nazif-Munoz, J.I., Yusuf, M., Vera, F., Peña, J., Vásquez, H., Borgeat, M., Valenzuela, F., Soto, M., Incio, J., Castillo, C., Moreno, D., Carrasco-Escobar, G., Vecino, A., Martinez, M., Hersh, S., González, C., Vega, M.J., Pernet, J.J., Amit, A.M.L., Niksic, M., El-Shahawy, O., Otis, J., Espinoza, F., Tolentino-Mayo, L., Brignardello, J., Gutierrez, F., Duarte, M., Cimini, F., Sanhueza, C., Martinez-Gutierrez, M.S., & Miranda, J.J., (Pre-print) PoliMap: A taxonomy proposal for mapping and understanding the global policy response to COVID-19. *OSF Preprints*, 2020, <https://doi.org/10.31219/osf.io/h6mvs>.
- Kinyoki, D.K., Ross, J.M., Lazzar-Atwood, A., Munro, S.B., Schaeffer, L.E., Abbasalizad-Farhangi, M., Abbasi, M., Abbastabar, H., Abdelalim, A., Abdoli, A., Abdollahi, M., Abdollahpour, I., Abdulkader, R.S., Abebe, N.D., Abebo, T.A., Abegaz, K.H., Abolhassani, H., Abreu, L.G., Abrigo, M.R.M., Abushouk, A.I., Accrombessi, M.M.K., Acharya, D., Adabi, M., Adebisi, A.O., Adedeji, I.A., Adekanmbi, V., Adeoye, A.M., Adetokunboh, O.O., Adham, D., Aduroja, P.E., Advani, S.M., Afarideh, M., Aghaali, M., Agrawal, A., Ahmad, T., Ahmadi, K., Ahmadi, S., Ahmed, M.B., Ahmed, R., Ajumobi, O., Akal, C.G., Akalu, T.Y., Akinyemiju, T., Akombi, B., Al-Aly, Z., Alam, S., Alamene, G.M., Alanzi, T.M., Rabanal, J.E.A., Alema, N.M., Ali, B.A., Ali, M., Alijanzadeh, M., Alinia, C., Alipour, V., Alizade, H., Aljunid, S.M., Almasi, A., Almasi-Hashiani, A., Al-Mekhlafi, H.M., Al-Raddadi, R.M., Altirkawi, K., Alvis-Guzman, N., Alvis-Zakzuk, N.J., Amare, A.T., Amegah, A.K., Amini, S., Rarani, M.A., Amir, F., Amit, A.M.L., [...], & Hay, S.I., Mapping Local Patterns of Childhood Overweight and Wasting in Low- and Middle-income Countries Between 2000 and 2017. *Nature Medicine*. 2020, 26:750-759.
- 2019 Burstein, R., Henry, N.J., Collison, M.L., Marczak, L.B., Sligar, A., Watson, S., Marquez, N., Abbasalizad-Farhangi, M., Abbasi, M., Abd-Allah, F., Abdoli, A., Abdollahi, M., Abdollahpour, I., Abdulkader, R.S., Abrigo, M.R.M., Acharya, D., Adebayo, O.M., Adekanmbi, V., Adham, D., Afshari, M., Aghaali, M., Ahmadi, K., Ahmadi, M., Ahmadpour, E., Ahmed, R., Akal, C.G., Akinyemi, J.O., Alahdab, F., Alam, N., Alamene, G.M., Alene, K.A., Alijanzadeh, M., Alinia, C., Alipour, V., Aljunid, S.M., Almalki, M.J., Al-Mekhlafi, H.M., Altirkawi, K., Alvis-Guzman, N., Amegah, A.K., Amini, S., Amit, A.M.L., [...], & Hay, S.I., Mapping 123 million neonatal, infant and child deaths between 2000 and 2017. *Nature*. 2019, 574:353-358.

2018 Pepito, V.C.F., Amit, A.M.L., Samontina, R.E.D., Abdon, S.J.A., Fuentes, D.N.L., & Saniel, O.P., Variations in the Clinical Management of Multibacillary Leprosy Patients in Selected Hospitals in Metro Manila. *Acta Medica Philippina*. 2018, 52(3):268-276.

Name Fritzie Ates-Camino

Sex Female

Organizational Affiliations

Assistant Professor, Department of Biological Sciences and Environmental Studies, University of the Philippines Mindanao, Davao, Philippines

Fields of Specialization

Zoology

Terrestrial Wildlife Ecology

Crop Pollination

Biodiversity

Conservation

Wildlife Conservation

Wildlife Ecology

Endangered Species

Herpetology

Reptiles

Frogs

Trainings

UP Faculty Professional Advancement , Southern Taiwan 2017 February 12

Publications

- 2020 Gersava, J.R., Abad, R., Camino, F., Responde, M., Achondo, M.J.M., & Gamalo, L.E., Native and Invasive Alien Anuran Species in Urbanized Areas in Davao City, Philippines, With Preliminary Study of Feeding Biology. *Biyolojik Çeşitlilik ve Koruma*, 2020, 13(1):1-8.
- 2019 Zapanta, B.R., Achondo, M.J.M.M., Raganas, A.F.M., Camino, F.A., Delima, A.G.D., Mantiquilla, J.A., Puentespina, R.P., Jr., & Salvaña, F.R.P., Species richness of trees in disturbed habitats within a protected area and its implications for conservation: The case of Mt. Apo Natural Park, Mindanao Island, Philippines. *Biodiversitas*, 2019, 20(7):2081-2091.
- 2018 Relox, R.E., & Camino, F.A., Comparative study on the Anuran Communities (Amphibia: Anura) in Agusan Marsh Wildlife Sanctuary, Philippines. *Biodiversity Journal*, 2018, 9(3):227-236.
- Ates, F.B., & Delima, E.M.M., Assemblage and Microhabitats of Anurans From Mt. Sinaka, Arakan, Cotabato and Mt. Hamiguitan, Davao Oriental, Mindanao Island, Philippines. *Journal of Nature Studies*, 2018, 7(1):101-107.
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- 2011 Relox, R.E., Leaño, E.P., & Camino, F.A., Avifaunal assemblage in Mt. Hamiguitan, Davao Oriental, Mindanao Island, Philippines. *Journal of Environmental Science and Management*, 2011, 14(1):1-11.
- 2010 Relox, R.E., Leaño, E.P., & Ates-Camino, F.B., Herpetofaunal Endemism and Diversity in tropical forests of Mt. Hamiguitan in the Philippines. *Herpetological Conservation and Biology*, 2010, 6(1):107-113.
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- 2009 Relox, R.E., Ates-Camino, F.B., Bastian, S.T., Jr., & Leano, E.P., Elevational Gradation of Mammals in Tropical Forest in Tropical Forest of Mt. Hamiguitan Range, Davao Oriental.

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- 2007 Ates, F.B., Palafox, D.B., Cabelin, V.L.D., & Delima, E.M.M., Diet Composition of Six Anuran Species (Amphibia: Anura) in Terminalia Forest, Mindanao Island, Philippines. Banwa. 2007, 4(2):7-20.
- 2006 Delima, E.M.M., Ates, F.B., & Ibañez, J.C., Species Composition and Microhabitats of Frogs within Arakan Valley Conservation Area, Cotabato, Mindanao Island, Philippines. Banwa. 2006, 3(1&2):16-30.

Name Maria Ela L. Atienza

Sex Female

Organizational Affiliations

Professor, Department of Political Science, University of the Philippines, Diliman 1101 Quezon City

Education

Doctor of Philosophy in Political Science, Kobe University, Japan, 2003

Executive Masters, International & European Relations, University of Amsterdam, The Netherlands, 1998

Master of Arts in Political Science, University of the Philippines, 1993

Bachelor of Arts in Political Science (*magna cum laude*), University of the Philippines, 1988

Fields of Specialization

Local Governance

Comparative Politics

Gender and Democratization

Human Security

Experience

Editor, Philippine Political Science Journal, 2014 January-Present

Professor, Department of Political Science, University of the Philippines, 2014 January-Present

Director, UP Third World Studies Center, 2010 May-2013 April

Associate Professor, Department of Political Science, University of the Philippines, 2003 October-2013 December

President, Philippine Political Science Association, 2007-2009

Assistant Professor, Department of Political Science, University of the Philippines, 1999 May-2003 September

Instructor, Department of Political Science, University of the Philippines, 1993 June-1999 May

Honors / Awards

Federico Aguilar Alcuaz Professorial Chair Award, University of the Philippines 2004 September

Researches

Completed

The Philippine Judiciary, Chapter in the Philippine Government and Politics Textbook Project of the UP Department of Political Science, funded by the Commission on Higher Education (Expected Publication Date: 2005).

Women in Philippine Politics, Chapter in the Philippine Government and Politics Textbook Project of the UP Department of Political Science, funded by the Commission on Higher Education : 2005).

The State of the Health in the Philippines Problems of the Public Health System, Health Workers Migration, and Health Security of the People

Judiciary. In Philippine Politics: An Introduction, edited by Noel M. Morada and Teresa Encarnacion-Tadem. Quezon City: University of the Philippines' Department of Political Science and Commission on Higher Education

Co-author with Ruth Lusterio Rico. Women in Philippine Politics. In Philippine Politics: Challenges to Democratization and Development, edited by Teresa Encarnacion-Tadem and Noel M. Morada.

Quezon City: University of the Philippines

Co-author with Rizal Buendia, Ronald Holmes, and Jorge V. Tigno, Mapping Political Reforms: Understanding the Advocacies towards Settling on Priorities and Enabling the Constituencies, Research Report

Developing a Human Security Index for the Philippines : An Explanatory Study in Selected Conflict Areas

Health Devolution and Central-Local Relations in the Philippines: The Tripartite Partnership of the Department of Health, Local Government Units and Civil Society Organizations, 2006 IPSA World Congress, Fukuoka, Japan.

Health Devolution Politics in the Philippines: An Analysis of the Failed Attempts to Recentralize Health Services, Federico Aguilar Alcuaz Professorial Chair Award, University of the Philippines.

Research Proponent and Researcher. Health Devolution Politics in the Philippines: An Analysis of the Failed Attempts to Decentralize Health Services. Federico Aguilar Alcuaz Professorial Chair Award, University of the Philippines.

Devolution, Regionalism and Autonomy in Formal Unitary States: Spain's Asymmetrical Federalism and Possible Lessons for the Philippines, Research funded by the Spanish Program or Cultural Cooperation, Philippines.

Examining the Impact of and Responses to Globalization of Selected Communities in the Philippines and Thailand, a project of the Third World Studies Center, University of the Philippines.

Philippine Country Case on Achieving the Millennium Human Security in ASEAN Project of the ASEAN Institutes of Security and International Studies.

Lectures, Conferences, Posters, Oral Presentations, or Papers Presented

2009 Atienza, M.E.L (2009 October 17). The state of health in the philippines: problems of the public health system, health workers' migration and health security of the people, conference on medical migration and human security: Perspectives from sending and host countries, Ritsumeikan University, Kyoto, Japan.

2009 Atienza, M.E.L (2009 September 2-4). Globalization, local communities and opportunities for empowerment: Lessons from local community responses to the patenting of plant varieties in Bilar, Bohol, 2009 Global studies association conference, Royal Holloway, University of London, the United kingdom.

2009 June Atienza, M.E.L (2009 June 22-23). Philippine country case on achieving the Millenium development goals: Preliminary findings, symposium on human security in ASEAN Integration, A Joint project of the japanese international cooperation agency research institutes of strategic and development studies (ASEAN ISIS), Four Seasons hotel, Jakarta, indonesia.

2009 Atienza, M.E.L (2009 April 2-3). Filipinos' conceptions of human security in conflict areas: an exploratory study in developing a human security index for the Philippines, 2009 international conference of the Philippine political science association, Family country hotel and convention centre, General Santos city, Philippines.

2009 Atienza, M.E.L (2009 March 30). Human security issues in ASEAN integration: The ASEAN socio-cultural community, symposium on human security in ASEAN integration, A joint Project of the Japanese international cooperation agency research institute (JICA-RI) and the ASEAN Institutes of strategic and development studies (ASEAN ISIS), Hotel New Otani Tokyo, Japan.

2005 Atienza, M.E.L. (2005 October 21). The Judiciary in the Throes of another People Power: Reviewing the Supreme Court's Decisions on the Two EDSAs and Prospects for Judicial Actions in the Current Political Debacle, 2005 Philippine Political Science Association's Conference.

2004 Atienza, M.E.L. (2004 October 22-23). Civil Society and Community Participation in Health Service Delivery. 2004 International Conference of the Philippine Political Science Association, CSB International Conference Center, DLSU-College of St. Benilde, Manila, 22-23, October 2004., mm.

Publications

- 2020 Eadie, P., Atienza, M.E., & Tan-Mullins, M., *Livelihood and Vulnerability in the Wake of Typhoon Yolanda: Lessons of Community and Resilience*. *Natural Hazards*. 2020, <https://doi.org/10.1007/s11069-020-03984-z>.
- Tan-Mullins, M., Eadie, P., & Atienza, M.E.L., *Evolving social capital and networks in the post-disaster rebuilding process: The case of Typhoon Yolanda*. *Asia Pacific Viewpoint*. doi:10.1111/apv.12268.
- Atienza, M.E.L., Arugay, A.A., Dee, F.J.A., Encinas-Franco, J., Go, J.R.R., Pano, R.A.L., & Jimenez, A.J.D., *Constitutional Performance Assessment of the 1987 Philippine Constitution*. The International Institute for Democracy and Electoral Assistance (International IDEA), and the University of the Philippines, Center for Integrative and Development Studies. 2020, <https://doi.org/10.31752/idea.2020.2>
- Atienza, M.E.L., *The Philippines in 2019: Consolidation of Power, Unraveling of the Reform Agenda*. *Asian Survey*. 2020, 60(1):132-139.
- 2019 Atienza, M.E.L., (Book Review) *From Aquino II to Duterte (2010–2018): Change, Continuity – and Rupture*, edited by Imelda Deinla and Björn Dressel. *Philippine Political Science Journal*. 2019, 40(3):289-293.
- Atienza, M.E.L. (Editor), *Rebuilding Disaster-Affected Communities for a Sustainable Future: Lessons and Policy Recommendations for Poverty Alleviation from the Typhoon Yolanda Experience*. University of the Philippines, Center for Integrative and Development Studies, Diliman, Quezon City, Philippines
- Atienza, M.E.L., *The Role of External Assistance in Disaster Risk Reduction and Management*, In: Atienza, M.E.L. (Ed.), *Rebuilding Disaster-Affected Communities for a Sustainable Future: Lessons and Policy Recommendations for Poverty Alleviation from the Typhoon Yolanda Experience*. 2019:5-13.
- Atienza, M.E., Eadie, P., & Tan-Mullins, M., *Urban Poverty in the Wake of Environmental Disaster: Rehabilitation, Resilience and Typhoon Haiyan (Yolanda)*. 2019.
- Atienza, M.E.L., *The Philippines in 2018: Broken Promises, Growing Impatience*. *Asian Survey*. 2019, 59(1):185-192.
- Atienza, M.E.L., (Editor), *Chronology of the 1987 Philippine Constitution*. Public Policy Monographs. University of the Philippines Center for Integrative and Development Studies, Diliman, Quezon City, Philippines.
- 2016 Atienza, M.E.L. (Book Review) *Institutional Engineering and Political Accountability in Indonesia, Thailand and the Philippines* by Patrick Ziegenhain, Singapore, Institute of Southeast Asian Studies, 2015, xiv + 299 pp. *The Developing Economies*. 2016, 54(3):263-266. doi: 10.1111/deve.12110.
- 2015 Atienza, M.E.L., *People's Views About Human Security in Five Philippine Municipalities*. *Disaster Prevention and Management*. 2015, 24(4):448-467.
- 2013 Atienza, M.E.L., *Globalization and responses of agricultural communities in the Philippines: Limits and opportunities for empowerment in Bilar, Bohol*. *Philippine Political Science Journal*. 2013, 34(1):27-47.
- 2009 Atienza, M.E.L., *Health Devolution and Central-local Relations in the Philippines: the Tripartite Partnership of the Department of Health, Local Government Units and Civil Society Organizations*. *Journal of Democracy and Human Rights*, 2009, 9(1):237-269.
- 2008 Atienza, M.E.L., *Health Devolution, Civil Society Participation and Volunteerism: Political Opportunities and Constraints in the Philippines*. *International society for Third sector research (ISTR) Conference Working Papers*, 2008, 6.
- 2005 Atienza, M.E.L., *Civil Society and Community Participation in Health Service Delivery*. In *Is the Liberal Moment Over. Papers and Proceedings of the 2004 International Conference of the Philippine Political Science Association*. Quezon City: Philippine Political Science Association, 2005:37-46.
- 2004 Atienza, M.E.L., *The Politics of Health Devolution in the Philippines: Experiences of Municipalities in a Devolved Set-up*. *Philippine Political Science Journal*. 2004, 25(48):25-54.
- 2003 Atienza, M.E.L., Dizon, L.L., & Frago, P.M. (Book Review) *Victoria A. Bautista, et al. National and Local Government Roles in Public Health Under Devolution*. Diliman, Quezon City: University of the Philippines Press, 2002. 229 pages. *Philippine Political Science Journal*. 2003, 24(47):179-193.

1994 Atienza, M.E.L., Drafting the 1987 Constitution The Politics of Language. Philippine Political Science Journal. 18(37-38):79-101.

Name Emmanuel L. Bernardo

Sex Male

Fields of Specialization

Agronomy

Plant Physiology

Tissue Culture

Plant Tissue Culture

Somatic Embryogenesis

Horticulture

Environmental Science

Agricultural Plant Science

Lectures, Conferences, Posters, Oral Presentations, or Papers Presented

- 2018 May 24-28 Mendiola, R.L.B., Custodio, P., & Bernardo, E. (2018 May 24-28). Twitter as public engagement or electronic elsewhere? The case of Project NOAH, International Communication Association 68th Conference, Prague, Czech Republic.
- 2017 September 19-20 Mendiola, R.L.B., Bernardo, E., & Custodio, P. (2017 September 19-20). [Poster] Public Engagement in Science, Philippine Association for the Advancement of Science and Technology (PHILAAST) Convention.
- 2014 November 8-10 Vasquez, K.D.C., Alcantara, N.R., & Bernardo, E. (2014 November 8-10). Identification and preliminary screening of nitrogen-fixing and phosphate-solubilizing activities of *Coix lacrymajobi* L.-associated bacteria, International Society for Southeast Asian Agricultural Sciences (ISSAAS) International Congress, NODAI Academia, Tokyo University of Agriculture, Tokyo, Japan.
- 2014 April 22-24 Bernardo, E., Aspuria, E.T., Tayangona, M.A.D., & Leus, G.R. (2014 April 22-24). Establishment and maintenance of abaca (*Musa textilis* Nee) Cell Suspension Cultures: Status and Bottlenecks, 9th Scientific Convention of the Philippine Association for Plant Tissue Culture and Biotechnology (PAPTCB), Inc., Ritz Hotel at Garden Oases, Davao City, Philippines.
- 2012 April 25-27 Bernardo, E., & Aspuria, E.T. (2012 April 25-27). Growth promotion of agnihotra ash in callus cultures of carrot (*Daucus carota* L.), 8th Scientific Convention of the Philippine Association for Plant Tissue Culture and Biotechnology (PAPTCB), Inc., Casa Pilar, Malay, Boracay Aklan, Philippines.

Publications

- 2017 Sta Cruz, F.C., Landicho, D.M., Bernardo, E.L., & Aspuria, E.T., Serological and molecular detection of differential infections of bunchy top and mosaic causing viruses in tissue culture plantlets of Abaca (*Musa textilis* Née). *Journal of the International Society for Southeast Asian Agricultural Sciences*, 2017, 23(2):81-93.
- Comia-Yebbron, R., Aspuria, E.T., & Bernardo, E.L., Callus Induction in *Amaranthus tricolor* and *Amaranthus spinosus*. *Journal of the International Society for Southeast Asian Agricultural Sciences*, 2017, 23(1):12-23.
- Lu, N., Bernardo, E.L., Tippayadarapanich, C., Takagaki, M., Kagawa, N., & Yamori, W., Growth and Accumulation of Secondary Metabolites in *Perilla* as Affected by Photosynthetic Photon Flux Density and Electrical Conductivity of the Nutrient Solution. *Frontiers in Plant Science*, 2017, 8(708).
- Malab, G.S.S., Aspuria, E.T., & Bernardo, E.L., Ultraviolet-B Induced Flavonoid Production in *In Vitro* Cultures of Shallot (*Allium cepa* Var. *Aggregatum* G. Don cv Batanes). *Journal of the International Society for Southeast Asian Agricultural Sciences*, 2017, 23(2):146-157.

- Tayangona, M.A.D., Aspuria, E.T., Bernardo, E.L., Kitma, S.J.E., Abella, M.E.S., & Dizon, C.C., Comparison of irradiated carrageenan and Wokozim on the early growth performance of in vitro-derived 'Lakatan' plantlets. *Philippine Journal of Crop Science*, 2017, 42(66).
- 2016 Nieves, M., Aspuria, E.T., Bernardo, E., & Tayangona, M.A.D., Growth responses of in vitro-derived nodal sections of *Kalanchoe blossfeldiana* Poellnitz as influenced by benzylaminopurine, thidiazuron and paclobutrazol. *Asia Life Sciences*, 2016, 25(1):207-220.

Name Analyñ Anzano Cabras

Sex Female

Organizational Affiliations

Associate Professor I, Math and Science Department, College of Arts and Sciences Education, University of Mindanao, Philippines, Matina, Davao City, 8000, Philippines

Fields of Specialization

Coleoptera

Systematics

Ecology

Conservation

Publications

- 2020 Cabras, A., Medina, M.N., Villanueva, R.J., Barsevskis, A., Wiesner, J., & Ruzzier, E., A New International Journal Devoted to Tropical Coleopterology. *Journal of Tropical Coleopterology*. 2020, 1(1):1-2.
- Barsevskis, A., & Cabras, A.A., New records of *Doliops* Waterhouse, 1841 (Coleoptera: Cerambycidae: Lamiinae) from the Philippines and Taiwan. *Journal of Tropical Coleopterology*. 2020, 1(1):3-16.
- Torres, C., Cabras, A., & Medina, M.N., Ground beetles collection (Coleoptera: Carabidae) in the Coleoptera Research Center, Davao City, Philippines. *Journal of Tropical Coleopterology*. 2020, 1(1):17-25.
- Bollino, M., Medina, M.N., & Cabras, A., Three new *Metapocyrtus* Heller, 1912 (Curculionidae, Entiminae, Pachyrhynchini) from Mindanao Island, Philippines. *Journal of Tropical Coleopterology*. 2020, 1(1):26-38.
- Medina, M.N.D., Cabras, A.A., Ibanez, J., Opiso, G., & Villanueva, R.J.T., Annotated list of tiger beetles (Coleoptera, Cicindelidae) in Calanasan, Apayao Province, Luzon, Philippines. *Check List*, 2020, 16(1):37-45.
- Cabras, A.A., & Medina, M.N.D., New species and new distributional records of *Doliops* Waterhouse, 1841 (Coleoptera: Cerambycidae: Lamiinae) with notes on ecology and mimicry from Mindanao Island, Philippines. *Baltic Journal of Coleopterology*, 2020, 19(2):179-186.
- Cabras, A.A., & Medina, M.N., *Metapocyrtus ginalopezae* sp.n. a new *Orthocyrtus* from Davao de Oro, Mindanao Island. *Baltic Journal of Coleopterology*, 2020, 19(2):205-211.
- 2019 Medina, M.N.D., Cabras, A.A., & Wiesner, J., *Thopeutica petertaylori*, a new tiger beetle species (Coleoptera: Cicindelidae) from Mindanao, Philippines. *Insecta Mundi*, 2019, 0733:1-5.
- Cabras, A.A., Medina, M.N.D., & Zhang, G., *Metapocyrtus kitangladensis* sp. n., a new *Pachyrhynchus cumingii* GR Waterhouse, 1841 mimic from Mindanao Island, Philippines. *ZooKeys*, 2019, 853:119-129.
- Barsevskis, A., & Cabras, A.A., A new species of the genus *Lamprobityle* Heller, 1923 (Coleoptera: Cerambycidae) from Mt. Talomo, Mindanao island, Philippines. *Baltic Journal of Coleopterology*, 2019, 19(2): 237-242.
- Medina, M.N.D., Cabras, A.A., & Ponce, R.G., List of Threatened Fauna in Mt. Hamiguitan Range Wildlife Sanctuary, Davao Oriental, Mindanao Island, Philippines. 2019, 10(1).
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- Anichtchenko, A., & Cabras, A., To the knowledge of genus *Pericalus* W. S. MacLeay, 1825 (Coleoptera, Carabidae, Lebiini) of the Philippines. *Baltic Journal of Coleopterology*. 2018, 18(1):103-108.
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- Medina, M.N.D., Cabras, A.A., Villanueva, R.J.T., & Colong, R., Odonata Recorded in the Buffer Zone of Mt. Hamiguitan Range Wildlife Sanctuary with Remarks on the Distribution of

- Endangered *Risiocnemis antoniae* in Davao Oriental Philippines. *Notulae Scientia Biologicae*, 2018, 10(1):14-20.
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- Cabras, A.A., & Medina, M.N.D., *Metapocyrtus (Artapocyrtus) willietorresi* sp. n. (Coleoptera: Curculionidae) from Southern Mindanao (Philippines), with notes on its ecology and mimicry complex. *Baltic Journal of Coleopterology*, 2018, 18(2):185-192.
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- Rukmane, A., & Cabras, A., Three new species of genus *Pachyrhynchus* Germar, 1824 (Coleoptera: Curculionidae) from Panay Island, Philippines. *Baltic Journal of Coleopterology*, 2018, 18(1):65-76.
- 2017 Cabras, A., Coritico, F., Mohagan, A.B., & Rukmane, A., Diversity of *Pachyrhynchini* (Coleoptera: Curculionidae: Entiminae) in Mt. Kiamo, Malaybalay, Bukidnon, Mindanao, Philippines. *Journal of Entomology and Zoology Studies*, 2017, 5(3):979-983.
- 2016 Cabras, A.A., & Barsevskis, A., Review on *Doliops* Waterhouse, 1841 (Coleoptera: Cerambycidae) of Mindanao, Philippines with description of a new species. *Baltic Journal of Coleopterology*, 2016, 16(2):143-156.
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- Cabras, A.A., & Rukmane, A., A New Species of *Pachyrhynchus* Germar, 1824 (Coleoptera: Curculionidae: Entiminae). *Acta Biologica Universitatis Daugavpiliensis*, 2016, 16(1):123-127.
- Cabras, A.A., Nique, G., & Mohagan, A., Diversity and distribution of pachyrhynchini (Coleoptera: Curculionidae: Entiminae) in Mt. Apo Natural Park, Philippines. *Journal of Biodiversity and Environmental Sciences*, 2016, 8(2):312-319.
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- Cabras, A.A., & Yoshitake, H., Distributional and Ecological Notes on *Pachyrhynchus apoensis* (Coleoptera, Curculionidae, Entiminae). *Elytra*, 2016, 6(1):10-12.
- Cabras, A.A., Medina, M.N.D., & Wiesner, J., Tiger beetles (Coleoptera: Carabidae: Cicindelinae) of Compostela Valley Province, Mindanao Island, Philippines. *Biotropia*, 2016, 23(2):137-143.
- Cabras, A.A., Calimutan, M.A., & Mohagan, A.B., Development of *Idea leuconoe* Erichson 1834 (Lepidoptera: Nymphalidae) reared on *Parsonia* sp. leaves. *University of Mindanao Multidisciplinary Research Journal*, 2016, 1(1):137-142.
- Medina, M.N.D., & Cabras, A.A., Gametophyte development of *In Vitro* cultured *Diplazium esculentum* (Retz.) and *Asplenium nidus* L.. *University of Mindanao Multidisciplinary Research Journal*, 2016, 1(1):143-151.
- Barsevskis, A., & Cabras, A.A., To the knowledge of *Acronia 'gloriosa'* species complex (Coleoptera: Cerambycidae). *Baltic Journal of Coleopterology*, 2016, 16(2):133-142.
- Cabras, A.A., & Dela Cruz, R., DNA Barcoding of Selected *Pachyrhynchus* Species (Coleoptera: Curculionidae) From Mt. Apo Natural Park, Philippines. *Acta Biologica Universitatis Daugavpiliensis*, 2016, 16(1):111-118.
- Cabras, A.A., Calimutan, M.A., & Mohagan, A.B., Development of *Idea leuconoe* Erichson 1834 (Lepidoptera: Nymphalidae) reared on *Parsonia* sp. leaves. *University of Mindanao Multidisciplinary Research Journal*. 2016, 1:137-142.
- Medina, M.N.D., Sivec, I., & Villanueva, R.J.T., *University of Mindanao Multidisciplinary Research Journal*. 2016, 1(1):170-181.
- 2015 Medina, M.N.D., Cabras, A.A., & Villanueva, R.J.T., Odonata of Island Garden city of Samal and its Relation to other Small Islands in the Philippines. *International Research Journal of Biological Sciences*, 2015, 4(9):54-60.
- Medina, M.N.D., Cabras, A.A., & Villanueva, R.J.T., Odonata Fauna of Compostela, Valley Province, Mindanao Island, Philippines. *International Journal of Current Research in Biosciences and Plant Biology*, 2015, 2(10):104-109.

Medina, M.N.D., Cabras, A.A., & Villanueva, R.J.T., Description of male *Risioenemis moroensis* Hämäläinen 1991 (Odonata: Platycnemididae) from Davao City, Mindanao Island, Philippines. *Journal of Advances in Biology*, 2015, 8(3):1636-1640.

Name Cherie Cano-Mangaoang

Sex Female

Organizational Affiliations

Faculty, Department of Biological Sciences, College of Arts and Sciences, University of Southern Mindanao, Kabacan, Cotabato, Philippines

Fields of Specialization

Biodiversity

Butterflies

Odonata

Botany

Plant Taxonomy

Ecology

Publications

- 2019 Salvaña, F.R.P., Dacutan, C.J.J., Mangaoang, C.C., & Bretaña, B.L.P., Comparison of aboveground biomass estimation in two forest types using different allometric equations. *Journal on New Biological Reports*, 2019, 8(3):155-163.
Mangaoang, C.C., & Flores, A.B., Inventory of mangroves in Katunggan Coastal Eco-Park, Sultan Kudarat Province, the Philippines. *Bonorowo Wetlands*, 2019, 9(2):59-64.
Salvaña, F.R.P., Lopez, C.K.C., Mangaoang, C.C., & Bretaña, B.L.P., Diversity and community structure of trees in two forest types in Mt. Apo Natural Park (MANP), Philippines. *Biodiversitas*, 2019, 20(7):1794-1801.
- 2018 Cano-Mangaoang, C., & Acma, F.M., Spore germination of silver fern (*Pityrogramma calomelanos* (L.) Link) using various lead (Pb) concentrations. *Journal of Biodiversity and Environmental Sciences*, 2018, 13(1):86-93.
- 2016 Cano-Mangaoang, C., Gumban, C.J.A., Abarquez, V.R., Mohagan, D., & Mohagan, A.B., Species Composition and Status of Butterflies in Two Selected Waterfalls of Caraga, Davao Oriental, Philippines. *Journal of Biodiversity and Environmental Sciences*, 2016, 8(5):45-51.
Cano-Mangaoang, C., & Mohagan, A.B., Odonata Diversity at University of Southern Mindanao, Kabacan, Cotabato. *Asian Journal of Biodiversity*, 2016, 7(1):112-123.

Name Jose Alan A. Castillo

Sex Male

Fields of Specialization

Forest Ecology

Mangrove Ecology

Carbon Forestry

GIS

Satellite Remote Sensing

Remote Sensing of Environment

Mangrove Blue Carbon

Papers Presented

2017 Castillo, J.A., Apan, A., Maraseni, T., & Salmo, S., III (2017 September 4-8). Simulation of C storage in mangrove forest in Honda Bay, Philippines under land use change scenarios, 2nd ASEAN Mangrove R&D Congress, Manila, Philippines.

2016 Castillo, J.A.A., Apan, A., Maraseni, T., Salmo, S., III (2016 November 28 - 2016 December 1). Using Sentinel Imagery in Modelling the Above-ground Biomass of Mangrove Forest and their Competing Land Uses, Pacific Islands GIS/RS User Conference, Suva, Fiji.
December 1

2012 Castillo, J.A.A., & Brevia, L.A. (2012 December 3-7). Carbon Stock Assessment of Four Mangrove Reforestation Stands in the Philippines, 1st ASEAN Congress on Mangrove Research and Development.

1999 Palis, H.G., Castillo, J.A.A., & Lat, C.A. (1999 October 19-22). Mangrove forest: Defense to Sea Level Rise Impact? International Conference on Tropical Forests and Climate Change: Status, Issues and Challenges (TFCC'98), Makati City, Philippines.

Publications

2019 Martin, A., Castillo, J., Rocha, L., Savio, V., & Feliciano, A., Assessment of farmers' knowledge, attitude and perceptions towards organic farming in Cagayan, Valley, Philippines. *Philippine Journal of Crop Science*, 2019, 42:131-132.

2018 Castillo, J.A.A., Apan, A.A., Maraseni, T.N., & Salmo, S.G., III, Tree biomass quantity, carbon stock and canopy correlates in mangrove forest and land uses that replaced mangroves in Honda Bay, Philippines. *Regional Studies in Marine Science*, 2018, 24:174-183.

2017 Castillo, J.A.A., Apan, A.A., Maraseni, T.N., & Salmo, S.G., III, Estimation and mapping of above-ground biomass of mangrove forests and their replacement land uses in the Philippines using Sentinel imagery. *ISPRS Journal of Photogrammetry and Remote Sensing*, 2017, 134:70-85.
Castillo, J.A.A., Apan, A.A., Maraseni, T.N., & Salmo, S.G., III, Soil greenhouse gas fluxes in tropical mangrove forests and in land uses on deforested mangrove lands. *CATENA*, 2017, 159:60-69.

Castillo, J.A.A., Apan, A.A., Maraseni, T.N., & Salmo, S.G., III, Soil C quantities of mangrove forests, their competing land uses, and their spatial distribution in the coast of Honda Bay, Philippines. *Geoderma*, 2017, 293:82-90.

Apan, A., Suarez, L.A., Maraseni, T., & Castillo, J.A., The rate, extent and spatial predictors of forest loss (2000-2012) in the terrestrial protected areas of the Philippines. *Applied Geography*, 2017, 81:32-42.

2015 Castillo, J.A.A., Ranes, L.C., & De Leon, R.C., Greenhouse gas emissions from mangrove soils: A review. *Canopy International*, 2015, 41(1).

2014 Abino, A.C., Castillo, J.A.A., & Lee, Y.J., Species diversity, Biomass, and carbon stock

- assessments of a natural mangrove forest in Palawan, Philippines. *Pakistan Journal of Botany*, 2014, 46(6):1955-1962.
- Abino, A.C., Castillo, J.A.A., & Lee, Y.J., Assessment of species diversity, biomass and carbon sequestration potential of a natural mangrove stand in Samar, the Philippines. *Forest Science and Technology*, 2014, 10(1):2-8.
- 2013 Sy, M.U., Castillo, J.A.A., Borja, A.J.D., Reaviles, R.S., Pacho, M.V., & Amatus, R.J.R., Assessment of tree species diversity and structure of selected government reforestation projects. *Sylvatrop*, 2013, 23(1&2):75-108.
- 2012 Castillo, J.A.A., & Brevia, L.A., Carbon Stock Assessment of Four Mangrove Reforestation Stands in the Philippines. *Proceedings of the 1st ASEAN Congress on Mangrove Research and Development*, 2012.
- Kuehl, Y., & Castillo, J.A.A., The potential role of bamboo in combating climate change and in REDD+. *Canopy International*, 2012, 38(1-6).
- 2011 Palis, H.G., Castillo, J.A.A., & Rivera, M.N., Plant diversity profile of the Lobo Watershed in Lobo, Batangas, Philippines. *Sylvatrop*, 2011, 21(1&2):1-16.
- 1999 Palis, H.G., Castillo, J.A.A., & Lat, C.A., Can mangrove forest cope with sea level rise? *Canopy*, 1999, 25(2):6-7.

Name Cynthia P. Cordero

Sex Female

Organizational Affiliations

Professor, Department of Clinical Epidemiology, College of Medicine, University of the Philippines, Manila, Philippines

Institute of Clinical Epidemiology, University of the Philippines Manila-National Institutes of Health, Manila, Philippines

Education

Master of Science in Biostatistics, University of Newcastle, Newcastle, New South Wales, United Kingdom, 1996

Diploma in Medical Statistics, University of Newcastle, Newcastle, New South Wales, United Kingdom, 1989

Master in Biostatistics, University of the Philippines, 1986

Master of Science in Public Health (Biometry), University of the Philippines

Fields of Specialization

Biostatistics

Medical Statistics

Public Health

Medicine

Biochemistry

Genetics

Molecular Biology

Publications

- 2019 Estrella, E.P., Orillaza, N.S., Jr., Castillo-Carandang, N.T., Cordero, C.P., & Juban, N.R., The Validity, Reliability and Internal Consistency of the Cross-Cultural Adaptation of the FIL-DASH (Filipino Version of the Disability of the Arm, Shoulder and Hand) Questionnaire in Patients with Traumatic Brachial Plexus Injuries. *Journal of Hand Surgery Asian-Pacific Volume*. 2019, 24(4):456-461.
- 2018 Dela Vega, S.F., Cordero, C.P., Palapar, L.A., Garcia, A.P., & Agapito, J.D., Mixed-methods research revealed the need for dementia services and Human Resource Master Plan in an aging Philippines. *Journal of Clinical Epidemiology*. 2018, 102:115-122.
Jamora, R.D.G., Teleg, R.A., Cordero, C.P., Villareal-Jordan, R.F., Lee, L.V., & Pasco, P.M.D., Levodopa+carbidopa in X-linked Dystonia Parkinsonism (XDP/DYT3/Lubag): A randomized, double-blind, Placebo-controlled trial. *Acta Medica Philippina*. 52(6):510-514.
- 2017 Chiong, M.A.D., Canson, D., Abacan, M.A., Baluyot, M.M.P., Cordero, C.P., & Silao, C.L.T., Clinical, Biochemical and Molecular Characteristics of Filipino patients with mucopolysaccharidosis type II - Hunter syndrome. *Orphanet Journal of Rare Diseases*. 2017, 12(7).
De Castro-Hamoy, L.G., Chiong, M.A.D., Estrada, S.C., & Cordero, C.P., Challenges in the Management of Patients With Maple Syrup Urine Disease Diagnosed by Newborn Screening in a Developing Country. *Journal of Community Genetics*. 2017, 8(1):9-15.
- 2016 Chiong, M.A.D., Tan, M.A., Cordero, C.P., Fodra, E.G.D., Manliguis, J.S., Lopez, C.P., & Dalmacio, L.M.M., Plasma Amino Acid and Urine Organic Acid Profiles of Filipino Patients With Maple Syrup Urine Disease (MSUD) and Correlation With Their Neurologic Features. *Molecular Genetics and Metabolism Reports*. 2016, 9:46-53.
Villarruz-Sulit, M.V., Cordero, C.P., Alejandria, M.M., & Dans, A., Chapter 6: Evaluation of

- Systematic Reviews. In: Dans, A.L., Dans, L.F., & Silvestre, M.A.A., (Eds.), *Painless Evidence-Based Medicine*, Second Edition. 2016, doi:10.1002/9781119196150.ch6.
- 2014 Lam, H.Y., Belizario, V.Y., Juban, N.R., Alejandria, M.M., Castillo-Carandang, N., Arcellana-Nuqui, E., Mirasol, M.A., Cordero, C.P., Sison, O.T., & Rivera, A.S., Assessing the residual risk for transfusion-transmitted infections in the Philippine blood supply. *The Yale Journal of Biology and Medicine*. 2014, 87(3):299-306.
- 2013 Batac-Dizon, M.C., Cordero, C.P., & Gregorio, G.V., Factors Associated With Severe Mucosal Injury of Esophagogastroduodenoscopy After Caustic Substance Ingestion in Pediatrics. *Acta Medica Philippina*, 2013, 47(2).
- Ngelangel, C.A., Lacaya, L.B., Cordero, C., & Laudico, A.V., Risk Factors for Breast Cancer Among Filipino Women. *Philippine Journal of Internal Medicine*. 2013, 51(4).
- 2011 Capistrano-Estrada, S., Navarro, J.O., Cordero, C.P., & David-Padilla, C., Early Diagnosis and Specialist Care in the Management of Congenital Hypothyroidism. *Acta Medica Philippina*. 2011, 45(4):40-45.
- Dans, L.F., Cordero, C.P., Alava, H.D.A., & Gregorio, G.V., Level of Understanding and Areas of Application of Cochrane Reviews Among Practicing Physicians Affiliated With the Philippine General Hospital. *Acta Medica Philippina*. 2011, 45:4-17.
- 2008 Cordero, C., Delino, R., Jeyaseelan, L., Lansang, M. A., Lozano, J. M., Kumar, S., & Tugwell, P. (2008). Funding agencies in low- and middle-income countries: Support for knowledge translation. *Bulletin of the World Health Organization*, 86(7), 524-534.
- 2007 Gregorio, G.V., Dans, L.F., Cordero, C.P., & Panelo, C.A., Zinc supplementation reduced cost and duration of acute diarrhea in children. *Journal of Clinical Epidemiology*, 2007, 60(6):560-566.
- 2003 Ngelangel, C.A., Limson, G.M., Cordero, C.P., Abelardo, A.D., Avila, J.M., & Festin, M.R., Acetic-acid Guided Visual Inspection vs. Cytology-based Screening for Cervical Cancer in the Philippines. *International Journal of Gynecology and Obstetrics*, 2003, 83(2):141-150.

Name Irene Crisologo

Sex Female

Organizational Affiliations

Institute of Environmental Sciences and Geography, University of Potsdam, Potsdam, Germany

Education

Doctor of Philosophy in Geoecology, University of Potsdam, Germany, 2019

Master of Science in Geology, National Institute of Geological Sciences, University of the Philippines, Diliman, Quezon City, Philippines, 2015

Bachelor of Science in Applied Physics, National Institute of Physics, University of the Philippines, 2010

Fields of Specialization

Geoecology

Remote Sensing

Meteorology

Atmospheric Science

Experience

Researcher, Establishment of the Philippine Flood Information Network (FloodNET), Department of Science and Technology Project NOAH, 2013 February-2015 September

Visiting Researcher, Institute for Earth and Environmental Science, University of Potsdam, Germany, 2013 June-2013 December

Researcher, Typhoon Washi Programme, Christian Aid, 2012 September-2013 February

Researcher, MECO-TECO: Philippine-Taiwan Integrated Predictive Studies of Geometeorological Hazards, Department of Science and Technology, 2012 January-2012 December

Researcher, Quantified Flood Forecasting through Rain Rate Estimation using Satellite Imagery, Department of Science and Technology, 2011 May-2011 November

Honors / Awards

DAAD Research Grants - Doctoral Programmes in Germany 2015-2019

ClimateX: Predicting Rainfall for the Philippines. Winner, special concerns category, Department of Science and Technology - Philippine Council for Industry, Energy and Emerging Technology Research and Development (DOST-PCIEERD) Outstanding R&D Awards 2015

Travel Grant, 1st NTU-Warwick Winter School on Introduction to Complexity Science, 2015 February, Singapore

Travel Grant, 8th European Conference on Radar in Meteorology and Hydrology, 2014 September, Garmisch-Partenkirchen, Germany

DOST-SEI Undergraduate Scholarship (Merit Scholar), 2005 June-2010 April

Lectures, Conferences, Posters, Oral Presentations, or Papers Presented

2018 July 1-6 Crisologo, I., Warren, R.A., Mühlbauer, K., & Heistermann, M., (2018 July 1-6) Enhancing the consistency of space-borne and ground-based radar comparisons by using quality filters. 10th European Conference on Radar in Meteorology and Hydrology (ERAD 2018), Ede, Netherlands. (Oral Presentation)

- 2017 August 28-2017 September 1) Crisologo, I., Warren, R.A., Mühlbauer, K., & Heistermann, M., (2017 August 28-2017 September 1) Using Data Quality to Improve Comparison between GPM Measurements and Ground Radars. 38th Conference on Radar Meteorology, Chicago, IL, USA. (Oral Presentation; also Co-Chair for the session on Radar Networks, Quality Control, Processing and Software 1)
- 2016 October 10-14 Crisologo, I., & Heistermann, M., (2016 October 10-14) Weather Radar network composite for the Pampanga River Basin in the Philippines. 9th European Conference on Radar in Meteorology and Hydrology, Antalya, Turkey. (Poster Presentation)
- 2016 April 17-22 Crisologo, I., Bookhagen, B., Smith, T., & Heistermann, M., (2016 April 17-22) Using TRMM and GPM precipitation radar for calibration of weather radars in the Philippines. European Geosciences Union General Assembly 2016, Vienna, Austria. (Poster Presentation)
- 2014 Crisologo, I., Abon, C., Kneis, D., Bronstert, A., & Heistermann, M., (2014) Comparison between C-Band and S-Band Radar Rainfall for Hydrological Simulations in Marikina River Basin, Philippines. In Proceedings of 8th European Conference on Radar in Meteorology and Hydrology. Garmisch-Partenkirchen, Germany.
- 2014 Heistermann, M., Crisologo, I., Abon, C., Vulpiani, G., & Bronstert, A., (2014) "Using an S-band Radar to Verify Polarimetric Retrieval Methods at C-band in a Tropical Environment. In Proceedings of 8th European Conference on Radar in Meteorology and Hydrology. Garmisch-Partenkirchen, Germany.
- 2014 Crisologo, I., Heistermann, M., & Vulpiani, G., (2014) Polarimetric Rainfall Retrieval in a Tropical Environment: Consistency Analysis for Two C-Band Radars in the Philippines. In Proceedings of 8th European Conference on Radar in Meteorology and Hydrology. Garmisch-Partenkirchen, Germany.

Publications

- 2020 Crisologo, I., & Heistermann, M., Using ground radar overlaps to verify the retrieval of calibration bias estimates from spaceborne platforms. *Atmospheric Measurement Techniques*, 2020, 13(2):645–659.
- Bronstert, A., Crisologo, I., Heistermann, M., Ozturk, U., Vogel, K., & Wendi, D., Flash-Floods: More Often, More Severe, More Damaging? An Analysis of Hydro-geo-environmental Conditions and Anthropogenic Impacts. In: Leal Filho W., Nagy G., Borga M., Chávez Muñoz P., Magnuszewski A. (Eds.), *Climate Change Management*, Springer, Cham. https://doi.org/10.1007/978-3-030-37425-9_12.
- 2019 Crisologo, I., & Heistermann, M., Using ground radar overlaps to verify the retrieval of calibration bias estimates from spaceborne platforms. *Atmospheric Measurement Techniques Discussions*, 2019, 1–23.
- 2018 Crisologo, I., Warren, R. A., Mühlbauer, K., & Heistermann, M., Enhancing the consistency of spaceborne and ground-based radar comparisons by using beam blockage fraction as a quality filter. *Atmospheric Measurement Techniques*, 2018, 11(9), 5223–5236.
- Bronstert, A., Agarwal, A., Boessenkool, B., Crisologo, I., Fischer, M., Heistermann, M., Köhn-Reich, L., López-Tarazón, J., Moran, T., Ozturk, U., Reinhardt-Imjela, C., & Wendi, D., Forensic hydro-meteorological analysis of an extreme flash flood: The 2016-05-29 event in Braunsbach, SW Germany. *Science of the Total Environment*, 2018, 630:977–991.
- Ozturk, U., Wendi, D., Crisologo, I., Riemer, A., Agarwal, A., Vogel, K., López-Tarazón, J., & Korup, O. (2018). Rare flash floods and debris flows in southern Germany. *Science of the Total Environment*, 2018, 626:941–952.
- Crisologo, I., Warren, R., Mühlbauer, K., & Heistermann, M., Enhancing the consistency of spaceborne and ground-based radar comparisons by using quality filters. *Atmospheric Measurement Techniques Discussions*, 2018, 1–20.
- 2016 Abon, C. C., Kneis, D., Crisologo, I., Bronstert, A., David, C.P.C., & Heistermann, M. (2016). Evaluating the potential of radar-based rainfall estimates for streamflow and flood simulations in the Philippines. *Geomatics, Natural Hazards and Risk*, 2016, 7(4):1390–1405.
- Racoma, B.A.B., David, C.P.C., Crisologo, I.A., & Bagtasa, G., The change in rainfall from tropical cyclones due to orographic effect of the Sierra Madre Mountain Range in Luzon, Philippines. *Philippine Journal of Science*, 2016, 145(4):313–326.
- 2015 Lagmay, A.M.F., Bagtasa, G., Crisologo, I.A., Racoma, B.A.B., & David, C.P.C., Volcanoes magnify metro manila's southwest monsoon rains and lethal floods. *Frontiers in Earth Science*,

2015, 2.

- 2011 Crisologo, I., Monterola, C., & Soriano, M., Statistical feature-based craquelure classification. *International Journal of Modern Physics C*, 2011, 22(11):1191-1209.
- Craig, K.W., Crisologo, A., Anderson, M., Sutton, N., & Leigh, I.W. (2011). Reliability and validity of the Adapted COPE Scale with deaf college students. *Journal of the American Deafness and Rehabilitation Association*, 2011, 44(3):116-133.
- 2010 Crisologo, I., Batac, R., Longjas, A., Legara, E.F., & Monterola, C., Visual and auditory cues significantly reduce human's intrinsic biases when tasked to generate a random number sequence. *International Journal of Modern Physics C*, 2010, 21(5):567-581.
- Monterola, C., Crisologo, I., Tugaff, J., Batac, R., & Longjas, A., Surface morphology of chalkboard tips captures the uniqueness of the user's hand strokes. *International Journal of Modern Physics C*, 2010, 21(4):535-548.

Name Carla Krishan A. Cuadro

Sex Female

Organizational Affiliations

Speech-Language Pathologist, Core Skills Therapy Center, Philippines

Speech-Language Pathologist, St. Luke's Medical Center-Quezon City, Philippines

University Lecturer, Department of Speech Pathology, University of the Philippines, Manila, Philippines

Education

Doctor of Philosophy in Philippine Studies, University of the Philippines, Diliman, Quezon City, Philippines, 2020

Master of Science in Rehabilitation Science, Speech Pathology, University of the Philippines, Manila, Philippines, 2008

Bachelor of Science in Speech Pathology, University of the Philippines, Manila, Philippines 1998

Fields of Specialization

Gerontology

Mild Cognitive Impairment

Cognition Disorders

Memory

Cognitive Rehabilitation

Learning and Memory

Cognitive Neuroscience

Alzheimer's Disease

Cognitive Development

Parkinson's Disease

Experience

Lecturer, College of Allied Medical Professions, University of the Philippines, Manila, 2002 November-Present

Speech-Language Pathologist, Core Skills Therapy Center, Philippines, 2001 December-Present

Speech-Language Pathologist, St. Luke's Medical Center-Quezon City, Philippines, 2001 June-Present

Lecturer, College of Allied Medical Professions, University of the Santo Tomas, Manila, Philippines Manila, 2011 November-2017 May

Speech-Language Pathologist, Emilio Aguinaldo College, Manila, Philippines, 1998 June-2002 May

Associate Membership

Philippine Association of Speech Pathologists (PASP)

Dementia Society of the Philippines (DSP)

Philippine Society of Geriatrics and Gerontology (PSGG)

Lectures, Conferences, Posters, Oral Presentations, or Papers Presented

- 2019 September Cuadro, C.K.A. (2019 September) Ayaw Na Niya Kumain: Deconstructing Dysphagia in Dementia. Success Through Innovation in Rehabilitation: 7th Post-Graduate Course of the Department of Rehabilitation, Asian Hospital and Medical Center. (Presentation)
- 2019 September Cuadro, C.K.A. (2019 September) Fine-Tuning Dysphagia Management: What 'Not' to Swallow. Success Through Innovation in Rehabilitation: 7th Post-Graduate Course of the Department of Rehabilitation, Asian Hospital and Medical Center. (Presentation)
- 2019 March Cuadro, C.K.A. (2019 March) Management of Aspiration in Dypshagia: From the Perspective of Speech-Language Pathology. ENT Postgraduate Course: Neurogenic Dysphagia--Reviving Zero Aspiration. (Presentation)
- 2018 July Cuadro, C.K.A., Herrera, J.A.O., & Quiros, T. (2018 July) Perceptions, Attitudes and Beliefs of Filipino Elderly Regarding Tube-Feeding. Philippine Association of Speech Pathologists Biennial Convention, Philippines. (Presentation)
- 2017 October Cuadro, C.K.A. (2017 October) Anosmia and Dysphagia in Patients with Dementia. The Nose Never Sleeps: 61st Annual Convention of the Philippine Society of Otolaryngology-Head & Neck Surgery and the 10th International Symposium on Recent Advances in Rhinosinusitis and Nasal Polyps. (Presentation)
- 2017 September Cuadro, C.K.A. (2017 September) Optimizing and Maintaining the Speech, Language and Swallowing Functions of the Neuro-Critically Ill Patient. Acute Stroke Nursing Certification Program (ASNCP) by the Critical Care Nurses Association of the Philippines, Inc. (CCNAPI). (Presentation)
- 2016 November Cuadro, C.K.A. (2016 November) Caregiver Education in Safe Oral Feeding for the Client with Dysphagia. TheraCon 2016: TheraFree Conference by the UP College of Allied Medical Professions Alumni Association & UNILAB. (Presentation)
- 2016 August Cuadro, C.K.A. (2016 August) The Management of Swallowing Disorders. 4th Post Graduate Course, Department of Physical Medicine and Rehabilitation, Asian Hospital and Medical Center, Philippines. (Presentation)
- 2015 September Cuadro, C.K.A. (2015 September) Treatment Gains of Filipino Parkinson's Disease Patients from the Lee Silverman Voice Treatment (LSVT®-LOUD): An Initial Study. 9th International Congress of the Asian Society Against DementiaAt: Kumamoto, Japan. (Poster Presentation)
- 2014 November Cuadro, C.K.A. (2014 November) Speech-Language Therapy and Parkinson's Disease: Using an Evidence-Based Voice Treatment Approach. 36th Annual Convention of the Philippine Neurological AssociationAt: Crimson Hotel, Alabang, Philippines.

Publications

- 2020 Cuadro, C.K.A., & Borrás, M.A.L., An Interprofessional Approach in the Management of Muscle Tension Dysphagia: A Case Report. Proceedings of the 2nd APIPEC & PHIPEC Joint International Conference-#COLLABforASIA: Transforming Asian Healthcare and Social Welfare Through Interprofessional Education & Collaboration in the 21st Century, De La Salle Health Sciences Institute, Dasmariñas City, Cavite, Philippines.
- 2019 Cuadro, C.K.A., Herrera, J.A.O., & Quiros, T., Napupuno, Hindi Nabubusog: Filipino Elderly and Nasogastric Tube Feeding. Proceedings of Food (In)Security: An International Conference on the Anthropology of Food and Eating-41st Annual Conference of the Ugnayang Pang-AghamTao (UGAT), Baybay City, Leyte, Philippines.
Cuadro, C.K.A., & Herrera, J.A.O., Pureed Food Acceptance: Perspectives of Speech-Language Pathology Students on Modified Food Textures for Dysphagia Management. Proceedings of the 41st Annual Conference of the Ugnayang Pang-AghamTaoAt: Visayas State University, Visayas, Philippines.
- 2015 Cuadro, C.K.A., Word Retrieval Failures Among Elderly Filipinos: Semantic Impairment vs. Lexical Access Problems. Philippine Journal of Geriatrics and Gerontology, 2015.

Cuadro, C.K.A., Word Retrieval Performance of Aging Bilinguals: Semantic Degradation vs. Lexical Access Difficulties Among Older Filipinos. Proceedings of the 9th Biennial Asia Pacific Conference on Speech Language Hearing, Yi He Hotel, Guangzhou, China.

Olea-Santos, T., Ulatowska, H., & Cuadro, C.K.A., Stroke Narratives in Bilingual Aphasia. Proceedings of the 9th Biennial Asia Pacific Conference on Speech Language Hearing At: Yi He Hotel, Guangzhou, China.

Bautista, J.M.P., Cuadro, C.K.A., & Jamora, R.D.G., The effect of the Lee Silverman voice treatment (LSVT (R)) in Filipino Parkinson's disease patients: A pilot study. Movement Disorders. Proceedings of the 19th International Congress of Parkinson's Disease and Movement. 2015, 30.

2014 Cuadro, C.K.A., Word Retrieval Performance of Elderly Filipinos: An Initial Study of the Aging Bilingual. Proceedings of the 12th Philippine Linguistics Congress, UP NISMED Auditorium, University of the Philippines, Diliman, Quezon City, Philippines.

2013 Cuadro, C.K.A., Alphasia Screening in Alzheimer's Disease. Philippine Neuroscience, 2013.

2011 Cuadro, C.K.A., Demographics of Dysphagia Cases Seen at a Voice and Swallowing Center: A Five-Year Review. Proceedings of the 55th Philippine Society of Otolaryngology - Head and Neck Surgery Annual Convention, The Manila Hotel, Philippines.

Name Manuel Antonio Bernaldes Datiles III

Sex Male

Organizational Affiliations

Senior Clinical Investigator, Eye Physician-Scientist, and Medical Officer, National Eye Institute, US National Institutes of Health, Bethesda, MD.

Adjunct Associate Professor of Ophthalmology, John Hopkins University School of Medicine and Hospital, Baltimore, MD.

Education

Preceptorship in Glaucoma, Dr. Anne K. Chan, Senior Attending, Glaucoma Service, Wills Eye Hospital, Thomas Jefferson University School of Medicine, Philadelphia, PA, 1986

Fellowship (Visiting Scientist) in Clinical Research in Ophthalmology with Carl Kupfer, M.D. and Muriel Kaiser M.D., NEI - N.I.H., Bethesda, MD 1981-82

Fellowship (Visiting Scientist) on Cornea & Lens, Basic Research with Jin H. Kinoshita, Ph.D., Laboratory of Vision Research, National Eye Institute (NEI) – National Institutes of Health (NIH), Bethesda, MD 1979-81

Residency in Ophthalmology, University of the Philippines - Philippine General Hospital (UPPGH), Manila, 1976-79

PGY-1 Rotating Internship, Dr. Jose R. Reyes Memorial Hospital- Medical Center (old North General Hospital), Manila, 1974-75

Doctor of Medicine (*cum laude*), Medical School, University of Santo Tomas, Manila, Faculty of Medicine and Surgery (Royal and Pontifical University), Philippines 1974

Bachelor of Science (Pre Med, *cum laude*), University of Santo Tomas, Manila, Philippines 1970

Fields of Specialization

Ophthalmology

Experience

Senior Attending Ophthalmologist, Senior/Principal Investigator, Medical Officer, Consult Service, Office of the Clinical Director, National Eye Institute-N.I.H., Bethesda, MD, 2007-2018

Chief, Cataract and Cornea Section, Senior Clinical Investigator, Medical Officer, Ophthalmic Genetics and Visual Function Branch, National Eye Institute-N.I.H., Bethesda, MD, 1992-2006

Acting Chief, Cataract and Cornea Section, Senior Clinical Investigator, Medical Officer, Ophthalmic Genetics and Clinical Services Branch, National Eye Institute-N.I.H., Bethesda, MD, 1986-1991

Senior Staff and Attending Ophthalmologist & Medical Officer, Clinical Branch, National Eye Institute-N.I.H., Bethesda, MD, 1983-1986

Associate Membership

Life Member, American Academy of Ophthalmology (AAO)

Association for Research in Vision and Ophthalmology (ARVO)

Johns Hopkins Medical and Surgical Alumni Association

Wilmer Residents Association (WRA)

Cornea Society (originally The Castroviejo Corneal Society)

Maryland Society of Eye Physicians and Surgeons (MSEPS)

Philippine American Association of Scientists and Engineers (PAASE)

University of Santo Tomas Medical Alumni Association of America (USTMAAA)

Honorary member, University of the Philippines Medical Alumni Society of America

Honors / Awards

Outstanding Medical Alumnus Award for Medical Research, University of Santo Tomas Medical Alumni Association in America, Philadelphia, PA 1999 May

Outstanding Ophthalmology Research Award, Association of Philippine Ophthalmologists in America (APOA), AAO Annual Meeting, Dallas, TX, 2001

Outstanding Ophthalmology Alumnus Award, University of the Philippines-Philippine General Hospital, Dr. Jose Rizal Eye Institute, 50th Anniversary Celebration of the University of the Philippines-Philippine General Hospital, Department Ophthalmology & Visual Sciences, Manila, Philippines 2011 December

U.S. Department of Health and Human Services 2011 Innovates Award - presented by U.S. Department of Health and Human Services Secretary Kathleen Sebelius for development of the Dynamic Light Scattering device for the Early Detection of Cataract & Oxidative Stress damage leading to Aging, Humphrey Bldg., Capitol Hill, Washington DC, 2011 April

Achievement Award, American Academy of Ophthalmology (AAO), AAO Annual Meeting, Chicago, IL 2012 November

Physician of the Year Award for 2015 ("Manggagamot Award"), Philippine Medical Association (PMA) of the Washington DC region, given in Washington DC, 2015 December

Most Outstanding Medical Alumnus Award for Academics & Research, University of Santo Tomas Medical Alumni Association of America, 27th Medical Convention and Reunion, Washington DC (JW Marriott), 2019 July

Young Investigators' Day Award, Cornea & Cataract Surgical Fellowship, Johns Hopkins University School of Medicine & Hospital 1983

Board Top-notch, Philippine Medical Board Exam 1975

Most Outstanding Intern Award, University of Santo Tomas 1975

Winthrop - Stearns Scholar, University of Santo Tomas 1974

Dean's Academic Scholar, University of Santo Tomas 1970

Lectures, Conferences, Posters, Oral Presentations, or Papers Presented (Recent)

- 2019 April Datillos, M.A.B., III (2019 April) Joint Grand Rounds, "Current and future Treatment of Age Related Cataract", NEI/NIH & Washington DC Regional Eye Residency Programs Consortium (Presentation)
- 2018 December Datillos, M.A.B., III (2018 December) Role of Alpha Crystallin in Pathogenesis of Cataracts, Extramural Research Division, National Eye Institute, NIH, Bethesda, MD (Lecture)
- 2017 May Datillos, M.A.B., III (2017 May) A Randomized, Double Masked, Placebo Controlled Clinical Trial of Autologous Serum Eye Drops for Severe Ocular Graft Versus Host Disease (oGVHD) in Hematopoietic Stem Cell Transplant (HSCT) patients. 2017 Association for Research in Vision and Ophthalmology (ARVO) Annual Meeting, Baltimore, MD (Poster Presentation)
- 2017 May Datillos, M.A.B., III (2017 May) International Collaboration on Lens and Cataract Pathogenesis using the NEI-NASA Dynamic Light Scattering device. 2017 pre-ARVO Imaging of the Eye International Conference, Baltimore, MD (Poster Presentation)
- 2015 Datillos, M.A.B., III (2015) Dynamic Light scattering for detection of alpha crystalline lens protein as a new biomarker for cataract and aging" SPIE - NIH Conference/Workshop on Biophotonics, NIH campus, Bethesda MD (Poster Presentation)

- 2015 July 13-15 Datilles, M.A.B., III (2015) Cataracts: Pathogenesis and possible new treatments. International Conference on Eye Disorders and Treatment, Baltimore. MD (Keynote Speaker)
- 2014 July Datilles, M.A.B., III (2014 July) Cornea and External Eye Disease, International Congress of Ophthalmology, Baltimore, MD (Presented Talk and Chariman of Session No. 1)
- 2013 Datilles, M.A.B., III (2013) Early Detection of Alzheimer's Disease using a new biomarker n the ocular lens using Dynamic Light Scattering. World Congress on Brain Mapping and Neurosurgery, Baltimore, MD (Presentation)
- 2013 April, 2012 March, and 2011 April Datilles, M.A.B., III (2011-2013) Ocular GVHD: Basic and Clinical Aspects" NIH, Bethesda, MD (Lecture, for NCI and NHLBI staff, fellows and students)
- 2012 August Datilles, M.A.B., III (2012 August) End Cataract Blindness by 2020. Wilmer Faculty Retreat- a special planning session with the Wilmer Eye Institute Director, Board of Trustees and Senior Faculty for future long-term goals and initiatives. Baltimore MD (Presentation)

Publications (Recent)

- 2018 Kerep, A.Z., Broome, J., Pirsl, F., Steinberg, S.M., Mitchell, S.A., Cowen, E.W., Pichard, D.C., Joe, G.O., Comis, L.E., Mays, J.W., Datilles, M.B., III, Stratton, P., Zolton, J., Berger, A., ... & Pavletic, S.Z., A Large Cohort Comparison of 2005 National Institutes of Health Chronic Graft-Versus-Host Disease Staging Criteria to 2014 National Institutes of Health Chronic Graft-Versus-Host Disease Staging Criteria in a Severely Affected Patient Population. American Society of Hematology (ASH) Annual Meeting, Atlanta, Ga. 2018.
- 2017 Yoshida, Y., Datiles, M., Ansari, R., Zigler, S., Vitale, S., Stark, W.J., Amano, S., & Ferris F., Clinical Loss of Alpha Crystalline, the Anti Cataract Protein, in Lenses Detected Dynamic Light Scattering (DLS) Device studies in the United States and Japan. ARVO Imaging of the Eye International Conference, May 2017, Baltimore, MD. 2017.
Datiles, M.B., Bishop, R., Clayton, P.S., Williams, K., Daniel Fowler, D., Battiwala, M., Mitchell, S., Barrett, J., Child, R., Cantilena, G.G., Garced, A., Curtis, L., Holland, A.V., Lipson, R., Thompson, D., & Ferris, F., A Randomized, Double Masked, Placebo Controlled Clinical Trial of Autologous Serum Eye Drops for Severe Ocular Graft Versus Host Disease in Hematopoietic Stem Cell Transplant patients. Invest. Ophthalmol. Vis. Sci (ARVO Abstracts). 2017, 58:4809.
- 2016 Cabrera, P., Datiles, M.B., III, Bishop, R., Payne, D., Hejtmancik, F., & Shamburek, R., Scheimpflug Studies in LCAT Deficiency. American Academy of Ophthalmology annual meeting. Chicago, IL 2016.
- 2015 Datiles, M., Ansari, R.R., Yoshida, J., Tian, J., Zigler, S.J., Ferris, F., & Stark, W. Longitudinal study of Age related nuclear Cataracts: loss of alpha crystalline leads to nuclear cataract development. SPIE-NIH Workshop on BioPhotonics. Bethesda, MD. 2015.
- 2015 Datiles, M., Ansari, R.R., Zigler, S.J., Ferris, F., & Stark, W., Age related Cataracts: Pathogenesis and potential new treatments. International Congress on Eye Disease and Treatment. Baltimore, MD. 2015
- 2014 Datiles, M., Ansari, R.R., Tian, J., Zigler, S., Daoud, Y., Ferris, F., & Stark, W.J., Use of Dynamic Light Scattering device to detect and follow early nuclear cataracts. International Congress of Ophthalmology, Baltimore, MD. 2014.
Yoshida, Y., Datiles, M., Ansari, R., Stark, W.J., & Amano, S., Clinical Loss of Alpha Crystalline, the Anti Cataract Protein, in Lenses Detected by Dynamic Light Scattering (DLS) Device: Cross Sectional Studies in United States and Japan. 118th World Ophthalmology Congress, Tokyo, Japan. 2014.
- 2013 Bassim, C.W., Mays, J.W., Edwards, D., Betts, K., Fassil, H., Cowen, E., Naik, H., Datiles, M., Joe, G., Comis, L., & Pavletic, S., Salivary/Lacrimal Dysfunction and Trismus/Skin Sclerosis Associations in Chronic Graft-versus-Host Disease IADR/AADR/CADR General Session and Exhibition, 2013.
Myer, R., Datiles, M., Ansari, T.J., Yoshida, J., Pan, Q.W., Brown, H., Zigler, S., Ferris, R., West, S., & Stark, W., Longitudinal Study of Cataract. Wilmer Residents' Association Annual Scientific meeting, Johns Hopkins University Hospital, Baltimore, MD. 2013
Datiles, M., Ansari, R., Zigler, S., Ferris, F., & Stark, W., From Outer Space to the Eye Clinic: Dynamic Light Scattering device to detect eye and brain disorders. 10th World Congress of the

Society for Brain Mapping and Therapeutics, Baltimore Convention Center, Baltimore, MD. 2013

2012 Fasil, H., Bassim, C.W., Mays, J., Edwards, D., Baird, K., Steinberg, S.M., Williams, K.M., Cowen, E.W., Mitchell, S.A., Hakim, F.T., Taylor, T., Avila, D., Zhang, D., Grkovic, L., Datiles, M., Gress, R.E., & Pavletic, S.Z.. Oral Chronic Graft-vs.-Host Disease Characterization Using the NIH Scale. *Journal of dental research*. 2012, 91(7Suppl):45S-51S. doi:10.1177/0022034512450881.

Name Roslyn de Mesa-Rodriguez

Sex Female

Organizational Affiliations

Clinical Microbiologist, Clinical Laboratory Informaticist, and Clinical Research Laboratory Scientist, University of the Philippines – Philippine General Hospital, Manila

Education

Master in National Security Administration, National Defense College of the Philippines, 2002

Master of Science in Public Health, 2000

Residency Training, Ophthalmology, University of the Philippines – Philippine General Hospital

Doctor of Medicine, University of the Philippines, 1974

Bachelor of Arts in English Literature, 1968

Fields of Specialization

Medicine

Clinical Microbiology

Chemistry

Hospital Epidemiology

Molecular Typing

Infection Control

Experience

Clinical Microbiologist, Clinical Laboratory Informaticist, and Clinical Research Laboratory Scientist, University of the Philippines – Philippine General Hospital, 2019 February-Present

Operations Supervisor, University of the Philippines – Philippine General Hospital, 1982 February-2019 February

Publications

- 2016 Iguban, E.B., Nañagas, J.P.R., Agahan, A.L.D., & De Mesa-Rodriguez, R.F., The In Vitro Anti-microbial Activity of Multipurpose Contact Lens Solutions Against Standard Strains of Common Ocular Pathogens: the Effect of Duration From First Use. *Journal of Clinical & Experimental Ophthalmology*. 2016, 7(3):1000560.
- 2013 De Sagun-Bella, K.Q., Agahan, A.L.D., Cubillan, L.D.P., Carino, N.S., & De Mesa-Rodriguez, R., Antifungal Activity of Voriconazole on Local Isolates: an In-vitro Study. *Philippine Journal of Ophthalmology*. 2013, 38:29-34.
- Nañagas, J.M.P., Velas-Suarin, M.A., Belicario, M., dela Rosa, J.M., Soleta, P., & Atienza, W., Guidebook on Public-Private Partnership in Hospital Management. Asian Development Bank. 2013.
- 2011 Deocarís, C., Daguimol, B., Pascual, H., Dela Rosa, R., Abendanio, E.M., Manganip, L., & de Mesa-Rodriguez, R., The turn-around-times (TATs) of BacT/ALERT 3D (TM) and VersaTREK (TM). *International Journal of Infectious Diseases*. 2011, 15:S20.
- 2010 Cabrera, E.C., Ramirez-Argamosa, D.T., & Rodriguez, R.D.M., Prevalence of Community-acquired methicillin-resistant *Staphylococcus aureus* from Inmates of the Manila City Jail, Characterization for Scmec Type and Occurrence of Pantón-valentine Leukocidin Gene. *Philippine Science Letters*. 2010, 3(1):4-12.
- 2009 Cabrera, E., & de Mesa-Rodriguez, R., First report on the occurrence of SHV-12 extended-spectrum beta-lactamase-producing *Enterobacteriaceae* in the Philippines. *Journal of Microbiology, Immunology, and Infection*. 2009, 42(1):74-85.

Name Elsa May Delima-Baron

Sex Female

Organizational Affiliations

Faculty and Research Ethics Committee Head, Arts and Sciences Department, San Pedro College, Davao City, Davao del Sur, Philippines

Fields of Specialization

Herpetology

Wildlife Biology

Systematics

Biotechnology

Trainings

UP Faculty Professional Advancement , Southern Taiwan 2017 February 12

Publications

- 2020 Baron, E.M., & Ruaes, C.A.S., Ectoparasites of Domesticated Animals in a Rural Barangay, Davao City, Mindanao Island, Philippines. *Serangga*, 2020, 25(1):118-130.
- 2019 Zapanta, B.R., Achondo, M.J.M.M., Raganas, A.F.M., Camino, F.A., Delima, A.G.D., Mantiquilla, J.A., Puentespina, R.P., Jr., & Salvaña, F.R.P., Species richness of trees in disturbed habitats within a protected area and its implications for conservation: The case of Mt. Apo Natural Park, Mindanao Island, Philippines. *Biodiversitas*, 2019, 20(7):2081-2091.
- Delima-Baron, E.M., Mohagan, A.B., Leaño, E.P., & Amoroso, V.B., *Philautus* (Bush Frogs) Species from Montane Forest of Marilog District, Davao City, Southern Mindanao, Philippines. *Environment and Natural Resources Journal*, 2019, 17(2):62-70.
- 2018 Ates, F.B., & Delima, E.M.M., Assemblage and Microhabitats of Anurans From Mt. Sinaka, Arakan, Cotabato and Mt. Hamiguitan, Davao Oriental, Mindanao Island, Philippines. *Journal of Nature Studies*, 2018, 7(1):101-107.
- Baron, E.M.D., Tomawis, A.S., Briones, M.M., Ibaos, D.A., & Sabando, M.C., Lead Absorption Abilities of Bougainvillea (*Bougainvillea spectabilis* Willd.) and Money Plant (*Epipremnum aureum* G. S. Bunting) in Lead-Based Paint Coated Compartments. *Journal of Engineering, Environment and Agriculture Research*, 2018, 1:54-58.
- Baron, E.M.D., Calimbo, V.L., Tanguanco, S., Young, C., Pelone, B., Ahinga, P., Lumangco, R., & Samaniego, L.G.A., Morpho-biochemical Characterization of Cutaneous Bacterial Isolates of Three Endemic Frogs From Mindanao Island, Philippines. *International Journal of Microbiology and Mycology*. 7(4):35-40.
- 2017 Dacalus, C.M.M., Calunsag, A.H., Hoshino, L.T., & Delima-Baron, E.M., Anuran assemblage on forest edges in Datu Salumay, Davao City, Philippines. *University of Mindanao International Multidisciplinary Research Journal*, 2017, 2(1):1-7.
- Delima-Baron, E.M., Ureta, R., Fancobila, E.K., Badua, C.M., Ynot, C.L., Macad, C.J., & Mohagan, A.B., Band Pattern of Land Snail Shells from Lake Sebu, South Cotabato, Philippines. *Imperial Journal of Interdisciplinary Research*, 2017, 3(5):614-616.
- Apayor-Ynot, C.L., Tan, S.N., Lim, N.K., Delima-Baron, E.M., & Mohagan, A.B., Diet of Cane Toads (*Rhinella marina*) collected from areas adjacent to human dwellings in Davao City, Philippines. *Imperial Journal of Interdisciplinary Research*, 2017, 3(11):640-642.
- 2008 Ates, F.B., & Delima, E.M.M., Assemblage and Microhabitats of Anurans From Mt. Sinaka, Arakan, Cotabato and Mt. Hamiguitan, Davao Oriental, Mindanao Island, Philippines. *Journal of Nature Studies*. 2008, 7(1):101-107.
- 2007 Ates, F.B., Palafox, D.B., Cabelin, V.L.D., & Delima, E.M.M., Diet Composition of Six Anuran Species (Amphibia: Anura) in Terminalia Forest, Mindanao Island, Philippines. *Banwa*, 2007, 4(2):7-20.
- Delima, E.M.M., Diesmos, A.C., & Ibañez, J.C., The Herpetological Importance of Mt. Hamiguitan Range, Mindanao Island, Philippines. *Banwa*, 2007, 4(1):27-40.

2006 Delima, E.M.M., Ates, F.B., & Ibañez, J.C., Species Composition and Microhabitats of Frogs within Arakan Valley Conservation Area, Cotabato, Mindanao Island, Philippines. *Banwa*, 2006, 3(1&2):16-30.

Name Adrian Isidoro Espiritu

Sex Male

Organizational Affiliations

Adult Neurologist, Department of Neurosciences, Division of Adult Neurology, College of Medicine University of the Philippines – Philippine General Hospital, Manila, Philippines

Fields of Specialization

Adult Neurology

Clinical Neurology

Systematic Reviews

Neuromyelitis Optica

Meta-Analysis

Publications

- 2020 Sy, M.C.C., Espiritu, A.I., Sy, M.S.C., Jamora, R.D.G., & Anlacan, V.M.M., Dementia research productivity and associations with socioeconomic factors and burden of disease in Southeast Asia. *Journal of Alzheimer's Disease*. 2020, 76(3):1-20.
- Piamonte, B.L.C., Espiritu, A.I., & Anlacan, V.M.M., Effects of Citicoline as an Adjunct Treatment for Alzheimer's Disease: A Systematic Review. *Journal of Alzheimer's Disease*. 2020, doi:10.3233/JAD-200378.
- Espiritu, A.I., & Cenina, A.R.F., The Effectiveness and Tolerability of the High Dose Donepezil at 23 mg Tablet per Day for Alzheimer's Disease: A Meta-analysis of Randomized Controlled Trials. *Acta Medica Philippina*. 2020, 54(3):296-304.
- Sy, M.C.C., Espiritu, A.I., Apor, A.D.A., & Pascual, J.L., Invited Commentary: Impact of COVID-19 pandemic on neurology training in the national university hospital of a developing country. *Neurology (Blogs)*. 2020.
- Turalde, C.W.R., Espiritu, A.I., & Anlacan, V.M.M., Memantine For Multiple Sclerosis: A Systematic Review And Meta-analysis. *Multiple Sclerosis*. 26(1_suppl):157.
- Moalong, K.M.C., Diestro, J.D.B., Espiritu, A.I., Lucero, J.A.C., de la Cruz, A.P.R.L., Valencia, J.M., Chua, E.M., III, Cenina, A.R.F., Spears, J., & San Jose, M.C.Z., FIP1L1-PDGFR α positive hypereosinophilia presenting with bilateral extracranial carotid artery aneurysms. *World Neurosurgery*. 139:419-422.
- Espiritu, A.I., Terencio, B.B., & Jamora, R.D.G., Congenital glioblastoma multiforme with long-term childhood survival: a case report and systematic review. *World Neurosurgery*. 139:90-96.
- Pajo, A., Diestro, J., Espiritu, A.I., Dmytriw, A.A., Enriquez-Marulanda, A., Sarmiento, R., Bagnas, M., Spears, J., & San Jose, M., Thrombolysis Outcomes in Patients with Diabetes and Previous Stroke: A Meta-Analysis. *The Canadian journal of neurological sciences. Le journal canadien des sciences neurologiques*, 2020, 1-8. Advance online publication. <https://doi.org/10.1017/cjn.2020.63>.
- Ignacio, K., Diestro, J., Espiritu, A. I., Spears, J., & San Jose, M., Re-examining the exclusion criterion of early recurrent ischemic stroke in intravenous thrombolysis: A meta-analysis. *Journal of the neurological sciences*, 2020, 412, 116709.
- Moalong, K., Espiritu, A.I., & Fernandez, M., Efficacy and tolerability of intravenous brivaracetam for status epilepticus: A systematic review. *Journal of the neurological sciences*, 2020, 413, 116799.
- Espiritu, A.I., Saranza, G., Anlacan, V., Suratos, C., & Jamora, R., Generalized chorea associated with subcortical leukoariosis of Binswanger type: a case report. *Neurodegenerative disease management*, 2020, 10(1), 9-13.
- Jamora, R., Espiritu, A.I., Santiago, J.J., Wohldorf, J.J., & Cuanang, J.R., Blepharospasm as the presenting feature of papillary thyroid cancer and parathyroid adenoma. *Journal of clinical neuroscience: official journal of the Neurosurgical Society of Australasia*, 2020, 72, 460-463.
- Espiritu, A. I., Leochico, C., Separa, K., & Jamora, R., Scientific impact of multiple sclerosis and neuromyelitis optica spectrum disorder research from Southeast Asia: A bibliometric analysis.

- Multiple sclerosis and related disorders, 2020, 38, 101862.
- Adiao, K., Espiritu, A.I., Roque, V., & Reyes, J., Efficacy and tolerability of subcutaneously administered immunoglobulin in myasthenia gravis: A systematic review. *Journal of clinical neuroscience : official journal of the Neurosurgical Society of Australasia*, 2020, 72, 316-321.
- Ignacio, K., Bagnas, M., Espiritu, A.I., & Reyes, J. (2019). Secondary hypokalemic paralysis with bulbar weakness and reversible electrophysiologic abnormalities: A case report and systematic review. *Journal of clinical neuroscience : official journal of the Neurosurgical Society of Australasia*, 70, 254-257.
- 2019 Pajo, A. T., Espiritu, A.I., & Jamora, R., Efficacy and safety of extended-release amantadine in levodopa-induced dyskinesias: a meta-analysis. *Neurodegenerative disease management*, 2020 9(4), 205-215.
- Sarmiento, R., Diestro, J., Espiritu, A.I., & San Jose, M., Safety and Efficacy of Repeated Thrombolysis with Alteplase in Early Recurrent Ischemic Stroke: A Systematic Review. *Journal of stroke and cerebrovascular diseases : the official journal of National Stroke Association*, 2019, 28(10), 104290.
- Mondia, M., Reyes, N., Espiritu, A.I., & Pascual, V.J., Acute hemorrhagic leukoencephalitis of Weston Hurst secondary to herpes encephalitis presenting as status epilepticus: A case report and review of literature. *Journal of clinical neuroscience : official journal of the Neurosurgical Society of Australasia*, 2019, 67, 265-270.
- Espiritu, A.I., & Pasco, P. (2019). Efficacy and tolerability of azathioprine for neuromyelitis optica spectrum disorder: A systematic review and meta-analysis. *Multiple sclerosis and related disorders*, 2019, 33, 22-32.
- Reyes, N., Espiritu, A.I., & Anlacan, V., Efficacy of sertraline in post-traumatic brain injury (post-TBI) depression and quality of life: A systematic review and meta-analysis of randomized controlled trials. *Clinical neurology and neurosurgery*, 2019, 181, 104-111.
- Enriquez, C., Espiritu, A.I., & Pasco, P., Efficacy and tolerability of mitoxantrone for neuromyelitis optica spectrum disorder: A systematic review. *Journal of neuroimmunology*, 2019, 332, 126-134.
- Espiritu, A. I., Mesina, B., Puerto, A., Reyes, N., Damian, L.F., & Pascual V, J., Neuromyelitis optica spectrum disorder in a tertiary hospital in the Philippines: a case series. *Multiple sclerosis and related disorders*, 2019, 31, 124-130.
- 2017 Diestro, J., Regaldo, J., Gonzales, E. M., Dorotan, M., Espiritu, A. I., & Pascual, J., 5th, Cor triatriatum and stroke. *BMJ case reports*, 2017, bcr2017219763.

Name Glenn Fiel Fernandez

Sex Male

Organizational Affiliations

Associate Professor, Institute for Disaster Management and Reconstruction, Sichuan University – Hong Kong Polytechnic University, Chengdu, China

Education

Doctor of Philosophy in Global Environmental Studies, Graduate School of Global Environmental Studies (GSGES), Kyoto University, Kyoto, Japan 2015

Master in Environmental Management (specialization in Sustainability Science), GSGES, Kyoto University, Kyoto, Japan 2012

Diploma in Environment and Natural Resources Management, University of the Philippines Open University, Los Baños, Philippines 2009

Bachelor of Science in Industrial Engineering, University of the Philippines – Diliman, Quezon City, Philippines 2002

Fields of Specialization

Disaster Risk Management

Business Continuity Management

Disaster Waste Management

Public Management

Environmental Management

Sustainability Science

Internal Audit

Logistics Management

Industrial Engineering

Experience

Researcher, Grant for Global Sustainability Project, Graduate School of Global Environmental Studies, Kyoto University, Kyoto, Japan, 2016 March–2018 March

Researcher, iPrepare Business Facility, Asian Disaster Preparedness Center, Bangkok, Thailand, 2015 April–2016 March

Logistics Officer, Over-the-Counter (OTC) Business Unit, Consumer Health Division, Novartis Healthcare, Makati, Philippines, 2008 September–2009 February

Associate Manager, Corporate Export Sales and Business Development Department, San Miguel Corporation, Mandaluyong, Philippines, 2007 January–2008 March

Association Membership

Associate Member, National Research Council of the Philippines, Division VIII (Social Sciences)

Member, Philippine Institute of Environmental Planners

Section Editor, Progress in Disaster Science Journal

Editorial Advisory Committee Member, Asia-Pacific Network for Global Change Research (APN) Science Bulletin

Editorial Board Member, Langkit Journal, College of Arts and Social Sciences, Mindanao State University – Iligan Institute of Technology

Member, International Sociological Association (ISA), Research Committee 39 (Sociology of Disasters)
Full Member, Junior Sociologists Network
Member, Philippine Association of Japanese Government Scholars (PHILAJAMES)

Honors / Awards

Grantee, Sumitomo Foundation Grant for Japan-Related Research Projects, Japan, 2020
Awardee, High Teaching Quality Award, Sichuan University, China, 2020
Awardee, The Outstanding Young Men (TOYM) (Political and Social Sciences category), JCI Philippines, 2019
Awardee, Excellent Faculty Member Award, Sichuan University, China, 2019
Awardee, Sichuan University Double Talent Category B Award, China, 2019
Grantee, Asia-Pacific Network for Global Change Research, Japan, 2019
Grantee, Takagi Fund for Citizen Science, Japan, 2018
Fellow, Japan Foundation Asia Center, Japan, 2018
Visiting Professor, Mindanao State University – Iligan Institute of Technology, Philippines, 2018
Fellow, Advanced Institute on Knowledge-based Actions for Disaster Risk Reduction, Academia Sinica, Taiwan, 2017
IRDR Young Scientist, Integrated Research on Disaster Risk (IRDR) Program, UN Office for DRR and International Science Council, 2017
JSPS HOPE Fellow, 7th HOPE Meeting with Nobel Laureates, Japan Society for the Promotion of Science (JSPS), Tokyo, Japan, 2015
Second Runner-up, Best Poster Award, International Conference on Regional Climate Adaptation and Resilience, Bremen, Germany, 2014
Outstanding Author Contribution Winner, Awards for Excellence, Emerald Literati Network, England, UK, 2012
Scholar, Ministry of Education, Culture, Sports, Science and Technology (MEXT), Japan, 2009 – 2015
Merit Scholar, Department of Science and Technology – Science Education Institute (DOST-SEI), 1997 – 2002
Scholar, Avon Philippines, 1997 – 2001
Scholar, Analog Devices Philippines, 1999 – 2001
Scholar, University of the Philippines Engineering Research and Development Foundation, Inc. (UPERDFI), 1999 – 2001
Oblation Scholar, University of the Philippines College Admission Test 1996

Lectures, Conferences, Posters, Oral Presentations, or Papers Presented

2019 Fernandez, G., Oktari, R., Rahman, A., Fakhurradhi, Munadi, K., & Izumi, T. (2019 November 7-8).
November Applicability of Japan's Tsunami Tendenko in Banda Aceh, Indonesia, 12th Aceh International
7-8 Workshop and Expo of Sustainable Disaster Recovery (AIWEST-DR), International Research Institute
of Disaster Science, Tohoku University, Japan

- 2019 September 4-5 Fernandez, G. & Ahmed, I. (2019 September 4-5). "Build Back Better" Approach to Disaster Recovery: Research Trends since 2006, 7th International Conference on Sustainable Development, European Center of Sustainable Development, Rome, Italy.
- 2019 May 11-12 Ferolin, M.C. & Fernandez, G. (2019 May 11-12). Youth Participation in Tsunami Disaster Risk Reduction Espousing Citizen Science: A Case in Pagadian City, Southern Philippines, International Conference on Silk-roads Disaster Risk Reduction and Sustainable Development (SiDRR), Beijing International Convention Center, China.
- 2019 March 7-8 Fernandez, G. & Okazaki, K. (2019 March 7-8). The Role of Universities in Helping Provide Bases for Urban Disaster Resilience Action Plans, International Symposium on Disaster Resilience and Sustainable Development, Asian Institute of Technology, Thailand.
- 2018 November 14-16 Fernandez, G. & Okazaki, K. (2018 November 14-16). Earthquake Risk Perception in Khokana, Nepal before and after the 2015 Gorkha Earthquake, 8th International Conference on Building Resilience (ICBR), University of Lisbon, Portugal.
- 2018 August 8-10 Fernandez, G. (2018 August 8-10). Climate Change Education in the Philippines, International Conference on Biodiversity and Climate Change (ICoBaCC) 2018, Misamis University Auditorium, Ozamiz City, Philippines.
- 2017 November 27-29 Fernandez, G. & Okazaki, K. (2017 November 27-29). Grant for Global Sustainability Project: Enhancing the Urban Disaster Resilience of Kathmandu and Yangon through Local Participatory Platform Activities, 7th International Conference on Building Resilience (ICBR), Le Concorde Swisshotel, Bangkok, Thailand.
- 2017 October 31 Fernandez, G., Tun, A.Y., Okazaki, K., Zaw, S.H., & Kyaw, K. (2017 October 31). Factors Influencing Fire, Earthquake, and Cyclone Risk Perception in Yangon, Myanmar, HUST and KU International Symposium on the Education and Research of the Global Environmental Studies in Asia, Hanoi University of Science and Technology, Hanoi, Vietnam.
- 2017 October 30 Fernandez, G. & Okazaki, K. (2017 October 30). Grant for Global Sustainability Project: Enhancing the Urban Disaster Resilience of Kathmandu and Yangon, 12th Inter-University Workshop on Education and Research Collaboration in the Indochina Region, Hanoi University of Science and Technology, Hanoi, Vietnam.
- 2017 March 19-21 Fernandez, G. & Okazaki, K. (2017 March 19-21). Grant for Global Sustainability Project: Enhancing the Urban Disaster Resilience of Kathmandu and Yangon through Local Participatory Platform Activities, 3rd Global Summit of Research Institutes for Disaster Risk Reduction, Disaster Prevention Research Institute, Kyoto University, Uji, Japan.
- 2016 March 13-14 Fernandez, G., Kobayashi, H., & Okazaki, K. (2016 Nov 13-14). Earthquake Risk Perception Research in Asia after the 2004 Indian Ocean Earthquake: A Review, International Symposium on Global Environmental Studies Education and Research in Asia, Mahidol University, Bangkok, Thailand.
- 2014 March 4-5 Fernandez, G. & Shaw, R. (2014 March 4-5). The Role of Mass Media in Disaster Recovery in the Philippines, International Crisis and Risk Communication (ICRC) Conference, Nicholson School of Communication, University of Central Florida, Orlando, USA.
- 2014 February 24-25 Fernandez, G. & Shaw, R. (2014 February 24-25). Participation of Youth Councils in Local-level Hyogo Framework for Action (HFA) Implementation in Makati and Infanta, Philippines, International Conference on Regional Climate Adaptation and Resilience: Towards Climate Adapted and Resilient Regions (CLARR), Old Town Hall, Bremen, Germany.
- 2013 November 26-28 Fernandez, G. & Shaw, R. (2013 November 26-28). Youth Participation in Disaster Risk Reduction in Mountain and Coastal Villages of Infanta, Philippines, International Symposium on the Connectivity of Hills, Humans, and Oceans, Kyoto University, Kyoto, Japan.
- 2013 September 14 Fernandez, G. & Shaw, R. (2013 September 14). Youth Participation in Disaster Risk Reduction in the Philippines, Joint Congress of Environmental Leader Programs, University of Tsukuba, Tokyo, Japan.
- 2013 August 4-9 Fernandez, G. & Shaw, R. (2013 August 4-9). Youth Council Participation in Disaster Risk Reduction in Makati, Philippines: A Social Network Analysis, International Geographical Union Regional Conference, Kyoto International Conference Center, Kyoto, Japan.

- 2013 July 8-11 Fernandez, G. & Shaw, R. (2013 July 8-11). Youth Participation in Disaster Risk Reduction in the Philippines: A Policy Review, International Conference of the International Institute for Infrastructure Renewal and Reconstruction, Queensland University of Technology, Brisbane, Australia.
- 2013 February 15-17 Fernandez, G. & Shaw, R. (2013 February 15-17). Participation of Youth Councils in Local-Level Implementation of Hyogo Framework for Action (HFA) in Makati and Infanta, Philippines, International Conference on Challenges in Disaster Mitigation and Management, Center of Excellence in Disaster Mitigation and Management, Indian Institute of Technology (IIT) Roorkee, India.
- 2012 August 24-26 Fernandez, G. & Shaw, R. (2012 August 24-26). Youth Participation in Disaster Risk Reduction through Science Clubs in the Philippines, International Conference on Disaster Management 2012, International Institute for Infrastructure, Renewal, and Reconstruction (IIIRR), Kumamoto University, Japan.
- 2011 November 17 Fernandez, G., Takeuchi, Y., & Shaw, R. (2011 November 17). 1-2-3 of Disaster Education: Linking Schools to Households and Communities, 30th Annual Conference of the Japan Society for Natural Disaster Science (JSNDS), Institute of Industrial Science, University of Tokyo, Japan.

Publications

- 2019 Fernandez, G. & Ahmed, I. "Build Back Better" Approach to Disaster Recovery: Research Trends since 2006. *Progress in Disaster Science*, 2019, 1(1).
- 2018 Fernandez, G., Tun, A. M., Okazaki, K., Zaw, S. H., & Kyaw, K. Factors Influencing Fire, Earthquake, and Cyclone Risk Perception in Yangon, Myanmar. *International Journal of Disaster Risk Reduction*, 2018, 28, 140-149.
- Ismail, N., Okazaki, K., Ochiai, C., & Fernandez, G. (2018). Livelihood Strategies after the 2004 Indian Ocean Tsunami in Banda Aceh, Indonesia. *Procedia Engineering*, 2018, 212, 551-558.
- Ismail, N., Okazaki, K., Ochiai, C., & Fernandez, G. Livelihood Changes in Banda Aceh, Indonesia after the 2004 Indian Ocean Tsunami. *International Journal of Disaster Risk Reduction*, 2018, 28, 439-449.
- 2016 Fernandez, G. & Shaw, R. Urban Disasters and Risk Communication through Youth Organizations in the Philippines. In R. Shaw, A. Rahman, A. Surjan, & G. Parvin (Eds.), *Urban Disasters and Resilience in Asia*, Tokyo, Japan: Butterworth-Heinemann, 2016, 195-207.
- Fernandez, G. & Shaw, R. Education, Training, and Capacity Building for Sustainable Development. In J. Uitto & R. Shaw (Eds.), *Sustainable Development and Disaster Risk Reduction*, Tokyo, Japan: Springer, 2016, 215-225.
- Kieu, T. K., Fernandez, G., & Shaw, R. Usefulness of a Sustainability Literacy Test. In J. Uitto & R. Shaw (Eds.), *Sustainable Development and Disaster Risk Reduction*, Tokyo, Japan: Springer, 2016, 265-277.
- Srivastava, N., Fernandez, G., DasGupta, R., Surjan, A., & Shaw, R. Sustainable Development and Disaster Risk Reduction in Post-2015. In J. Uitto & R. Shaw (Eds.), *Sustainable Development and Disaster Risk Reduction*, Tokyo, Japan: Springer, 2016, 279-287.
- 2015 Fernandez, G. & Shaw, R. Youth Participation and Community-based Disaster Risk Reduction. Singapore, Singapore: Research Publishing Services, 2015, 1-210.
- Fernandez, G. & Shaw, R. Youth Participation in Disaster Risk Reduction through Science Clubs in the Philippines. *Disasters*, 2015, 39(2), 279-294.
- Fernandez, G., Shaw, R., & Abe, M. Lessons from the Recovery of the Education Sector after the Indian Ocean Tsunami. In R. Shaw (Ed.), *Recovery from the Indian Ocean Tsunami*, Tokyo, Japan: Springer, 2015, 43-58.
- 2014 Fernandez, G. & Shaw, R. Participation of Youth Councils in Local-Level HFA Implementation in Infanta and Makati, Philippines and Its Policy Implications. *Risk, Hazards & Crisis in Public Policy*, 2014, 5(3), 259-278.
- Fernandez, G., Thi, T. T. M., & Shaw, R. Climate Change Education: Recent Trends and Future Prospects. In R. Shaw & Y. Oikawa (Eds.), *Education for Sustainable Development and Disaster Risk Reduction*, Tokyo, Japan: Springer, 2014, 53-74.
- 2013 Fernandez, G. & Shaw, R. Youth Council Participation in Disaster Risk Reduction in Infanta and Makati, Philippines: A Policy Review. *International Journal of Disaster Risk Science*, 2013, 4(3), 126-136.

- 2012 Fernandez, G., Uy, N., & Shaw, R. Community-Based Disaster Risk Management Experience of the Philippines. In R. Shaw (Ed.), *Community-Based Disaster Risk Reduction*, Bingley, UK: Emerald, 2012, 205-231.
- Fernandez, G., Shaw, R., & Takeuchi, Y. School Damages in Asian Countries and Their Implication to Tohoku Recovery. In R. Shaw & Y. Takeuchi (Eds.), *East Japan Earthquake and Tsunami: Evacuation, Communication, Education, and Volunteerism*, Singapore, Singapore: Research Publishing Services, 2012, 201-221.
- 2011 Shiwaku, K. & Fernandez, G. Innovative Approaches in Disaster Education. In R. Shaw, K. Shiwaku, & Y. Takeuchi (Eds.), *Disaster Education*, Bingley, UK: Emerald. 2011, 115-136.
- Shiwaku, K. & Fernandez, G. Roles of School in Disaster Education. In R. Shaw, K. Shiwaku, & Y. Takeuchi (Eds.), *Disaster Education*, Bingley, UK: Emerald, 2011, 45-75.
- Fernandez, G., Takeuchi, Y., & Shaw, R. Climate and Disaster Resilience Mapping in City Clusters. In R. Shaw & A. Sharma (Eds.), *Climate and Disaster Resilience in Cities*, Bingley, UK: Emerald, 2011, 81-101.
- Fernandez, G., Takeuchi, Y., & Shaw, R. From Resilience Mapping to Action Planning. In R. Shaw & A. Sharma (Eds.), *Climate and Disaster Resilience in Cities*, Bingley, UK: Emerald, 2011, 149-161.

Name Dixon T. Gevaña

Sex Male

Organizational Affiliations

Assistant Professor 6, College of Forestry and Natural Sciences, University of the Philippines Los Baños, Laguna, Philippines

Education

Doctor of Philosophy in Environmental Science, Seoul National University, South Korea 2014

Master of Science in Community Development, University of the Philippines Los Baños, Laguna, Philippines 2009

Bachelor of Science in Forestry, University of the Philippines Los Baños, Laguna, Philippines 2003

Fields of Specialization

Climate Change

Coastal Forestry

Forest Sustainability

Honors / Awards

Outstanding Young Scientist, DOST - National Academy of Science and Technology 2018

Papers Presented

2016 August 8-11 Gevaña, D., Camacho, L.D., Camacho, S.C., & Im, S. (2016 August 8-11). How Planting Distance Influences the Survival and Blue Carbon Production of Monoculture Mangrove Plantations in Banacon Island, Philippines?, Sustainable Forest Development in View of Climate Change (SFDCC2016), Putrajaya, Malaysia.

2015 November 2-4 Gevaña, D., Camacho, L.D., Carandang, A.P., Camacho, S.C., & Im, S. (2015 November 2-4). Managing stand density of monospecific mangrove plantation for better carbon stock, International Conference on Estuaries and Coasts (ICEC 2015), Muscat, Oman.

2015 April Gevaña, D.T., Camacho, L.D., Camacho, S.C., & Im, S. (2015 April). Blue carbon potentials of community-managed mangrove plantations and seagrasses in Bohol, Philippines, China-ASEAN Workshop on Estuary Development, Protection and Management, Guangzhou, China.

Publications

2019 Carandang, A.P., Camacho, L.D., Gevaña, D.T., Dizon, J.T., Camacho, S.C., de Luna, C.C., Pulhin, F.B., Combalicer, E.A., Paras, F.D., Peras, R.J.J., & Rebugio, L.L., Economic valuation for sustainable mangrove ecosystems management in Bohol and Palawan, Philippines. *Forest Science and Technology*, 2019, 9(3):118-125.

2018 Gevaña, D.T., Camacho, L.D., & Pulhin, J.M., Conserving Mangroves for Their Blue Carbon: Insights and Prospects for Community-Based Mangrove Management in Southeast Asia. *Threats to Mangrove Forests*, 2018, 25:579-588.

2016 Camacho, L.D., Gevaña, D.T., Carandang, A.P., & Camacho, S.C., Indigenous knowledge and practices for the sustainable management of Ifugao forests in Cordillera, Philippines. *International Journal of Biodiversity Science, Ecosystem Services & Management*, 2016, 12(1-2):5-13.

Cruz, R.O., Carandang, W.M., de Luna, C., Carandang, V., Gevaña, D., & Galapia, G.A., Climate change adaptation and upland development through Conservation Farming Villages. In: Sajise, P.E., Cadiz, M.C.H., & Bantayan, R.B., (Eds.), *Learning and Coping with Change: Case Stories of Climate Change Adaptation in Southeast Asia*, 2016.

Pulhin, J.M., Peras, R.J.J., Pulhin, F.B., & Gevaña, D.T., Farmers' Adaptation to Climate Variability: Assessment of Effectiveness and Barriers Based on Local Experience in Southern Philippines. *Journal of Environmental Science and Management*, 2016:1-14.

2015 Camacho, S.C., Carandang, A.P., Camacho, L.D., Gevaña, D.T., Carandang, M.G., Lorida, R.E.,

- & Bandian, M.N.P., Economic Potential of Citronella (*Cymbopogon winterianus*) production in the Philippines. *Philippine Journal of Crop Science*, 2015, 40(3):73-81.
- Carandang, A.P., Carandang, M.G., Camacho, L.D., Camacho, S.C., Aguilon, B.C., & Gevaña, D.T., Profitability Enhancement of Smallholder Private Tree Plantations in Talacogon, Philippines Using Value Chain Analysis. *Ecosystems & Development Journal*, 2015, 5(3):3-11.
- Gevaña, D., Camacho, L., Carandang, A., Camacho, S., & Im, S., Land use characterization and change detection of a small mangrove area in Banacon Island, Bohol, Philippines using a maximum likelihood classification method. *Forest Science and Technology*, 2015, 11(4):197-205.
- 2013 Camacho, L.D., Carandang, A.P., Gevaña, D.T., Pulhin, F.B., Camacho, S.C., Dizon, J.T., Combalicer, E.A., Paras, F.D., & Rebugio, L.L., Financial Analysis of Carbon Sequestration of Man-Made Mangrove Forests in Bohol, Philippines. *Ecosystems & Development Journal*, 2013, 4(1):14-22.
- 2011 Camacho, L.D., Gevaña, D.T., Carandang, A.P., Camacho, S.C., Combalicer, E.A., Rebugio, L.L., & Yeo-Chang, Y., Tree biomass and carbon stock of a community-managed mangrove forest in Bohol, Philippines. *Forest Science and Technology*, 2011, 7(4):161-167.
- Camacho, L.D., Carandang, A.P., Combalicer, M.S., Camacho, S.C., Gevaña, D.T., & Yeo-Chang, Y., Economic Implications of Different Management Opportunities in Makiling Forest Reserve (MFR), Philippines. *Korean Forest Economics Society*, 2011, 18(1):1-13.
- 2009 Carandang, M.G., Camacho, L.D., Carandang, A.P., Camacho, S.C., Gevaña, D.T., Rebugio, L.L., & Yeo-Chang, Y., Sustainable thatching materials production from nipa (*nypa fruticans*) in Bohol, Philippines. *Forest Science and Technology*, 2009, 5(1):17-22.

Name Ramon Lorenzo Luis Rosa Guinto (also Renzo Guinto)

Sex Male

Organizational Affiliations

Chief Planetary Doctor, PH Lab

Education

Doctor of Public Health (Ongoing, candidate), Harvard T.H. Chan School of Public Health, Harvard University, Cambridge, USA

Doctor of Medicine, University of the Philippines - Philippine General Hospital, Manila, Philippines, 2012 [under the UP College of Medicine Integrated Liberal Arts and Medicine (INTARMED) Program]

Bachelor of Science in Basic Medical Sciences, University of the Philippines, Manila, Philippines, 2009 [under the UP College of Medicine Integrated Liberal Arts and Medicine (INTARMED) Program]

Fields of Specialization

Public Health

Primary Care

Social Epidemiology

Health Promotion

Health Care Management

Health Equity

Medical Sociology

Anthropology of Medicine

Experience

Graduate Student Ambassador, Harvard Global Health Institute

Fellow, Walker Study Group on Nutrition and Agriculture

Teaching Fellow, Global Health Education and Learning Incubator, Harvard University

Teaching Fellow, Harvard University Graduate School of Design

Graduate Student Associate, Harvard University Asia Center

Student Fellow, Voices in Leadership Series, Harvard Chan School

Researcher, Climate, Energy, and Health Program, Harvard Center for Climate, Health and the Global Environment

Co-convener, Teams for Health Study Group, Harvard University

Core member, One Harvard Climate Initiative

Co-investigator, National Study on Reconfiguring Primary Health Care under the Universal Health Care Study Group of the University of the Philippines (UP) Manila

Climate CoLab Fellow, Massachusetts Institute of Technology

2016 New Voices Fellow, Aspen Institute

Consultant for climate and Health, World Bank

Consultant on cancer care, Ministry of Health, Chile

Acting Global Coordinator, Healthy Energy Initiative, Health Care Without Harm's Flagship program

Regional Coordinator, Asia-Pacific of the International Federation of Medical Students' Associations

Campaigner, Healthy Energy Initiative of Health Care Without Harm-Asia

Consultant on Migration Health, International Organization for Migration and Philippine Department of Health

Convener, ASEAN Youth Dialogues

"Thought Leader" columnist, Rappler

Emerging Voice for Global Health, 2014

Association Membership

President and Founder, Sustainability & Health Student Forum at Harvard School

President and Founder, Harvard Chan ASEAN Student Organization

Co-founder and Director, Youth 'think-and-do' tank #ReimagineGlobalHealth

Associate Editor, Harvard Public Health Review

Member, Editorial Advisory Board of The Lancet Planetary Health

Member, University-wide Council of Student Sustainability Leaders

Member, University of the Philippines (UP) Manila's Universal Health Care Study Group

Member, The Lancet-University of Oslo Youth Commission on Global Governance for Health

Member, WHO steering committee on transformative health professions education and social determinants of health

Lectures, Conferences, Posters, Oral Presentations, or Papers Presented

2018 May Guinto, R., & Buenaventura, J. (2018 May) Putting the health of migrants at the centre of migration governance: a source country perspective from the Philippines. 1st World Congress on Migration, Ethnicity, Race and Health, Edinburgh, UK.

Trainings

International People's Health University, Cape Town, South Africa, 2012

University of Copenhagen - Copenhagen School of Global Health, Copenhagen, Denmark, 2011

Publications

2018 Wenham, C, Katz, R., Birungi, C., Boden, L., Eccleston-Turner, M., Gostin, L., Guinto, R., Hellowell, M., Onarheim, K.H., Hutton, J., Kapilashrami, A., Mendenhall, E., Phelan, A., Tichenor, M., & Sridhar, D., Global health security and universal health coverage: from a marriage of convenience to a strategic, effective partnership. *BMJ Global Health*. 2018, 4(1):e001145.

Buonocore, J.J., Levy, J.I., Guinto, R.R., & Bernstein, A.S., Climate, air quality, and health benefits of a carbon fee-and-rebate bill in Massachusetts, USA. *Environmental Research Letters*. 2018, 13:114014.

Bhopal, A., Knights, D., Knights, F., Bertani, L., Gopfert, A., Guinto, R., Langham, F., Lefebvre, A., Turner-Moss, E., Wanjau, W., Wiley, E., Kumar, P., & Sethia, B., *Essentials of Global Health: a book for students, by students*. *The Lancet Global Health*. 2018, 6(10):e1069.

Guinto, R., & Buenaventura, J. (2018 May) Putting the health of migrants at the centre of migration governance: a source country perspective from the Philippines. *European Journal of Public Health*. 2018, 28(suppl_1):cky048.060, <https://doi.org/10.1093/eurpub/cky048.060>.

2016 Mishra, S., Dhimal, M., Guinto, R., Adhikari, B., & Chu, C., Threats to malaria elimination in the

- Himalayas. *The Lancet Global Health*, 2016, 4:e519.
- Ofori, S., Baumgartner, J., Alvarez, J.C.B.A., Guinto, R.L.L.R., Mohan, S., Monyeki, D., Bobrow, K., & Grover, B., PS021 A Dynamic Online Library of NCD Policies and Actions to Track Progress Towards the 25 by 25 Goal. *Global Heart*. 2016, 11(2, Suppl):e19-e20.
- Guinto, R.L.L.R., PT026 The Healthy Energy Initiative: Reducing Carbon, Mitigating Climate Change, Protecting Heart Health. *Global Heart*. 2016, 11(2, Suppl):e132.
- Pradyumna, A., & Guinto, R., Climate change and health. *The Lancet*. 2016, 387(10017):430-431.
- 2015 Guinto, R.L.L.R., Curran, U.Z., Suphanchaimat, R., & Pocock, N.S., Universal health coverage in 'One ASEAN': are migrants included?. *Global Health Action*. 2015, 8:25749.
- Wiley, E., Tcholakov, Y., Braithwaite, I., Petrin-Desrosiers, C., Vega, P., Vera, E., Alqodmani, L., Williams, K., Singh, S., Baca, L., Holm-Hansen, C., & Guinto, R., The Climate/Health Nexus at COP21 & Beyond. *World Medical Journal*. 2015, 61(4):158.
- Wang, J.S., Euripidou, R., Armstrong, F., Jensen, G.K., Karliner, J., Guinto, R.R., Zhao, A., Narayanan, D., & Orris, P., From Extraction to Renewal: A Global Campaign for Healthy Energy. 2016, 25(4):559-566.
- Tcholakov, Y., Wiley, E., Hornung, T., Walker, X., Martins, D., Mello, A., Hall, D., Mattar, C., Williams, K., Castelblanco, D., P-Desrosiers, C., Singh, S., Guinto, R., Essafi, S., & De Leon, S., Road to Paris: What is at Stake for Health in COP21 Negotiations?. *World Medical Journal*. 2015, 61(3):114-118.
- Beyond Chlor Hühner & Nürnberger Bratwürste: The Case for Physician & Organized Medical Advocacy to Promote Health in Trade Agreement Negotiations. 2015, 61(1).
- 2014 Guinto, R., Why should medical students be concerned about global governance?. *Res Medica*. 2014, 22(1):133-138.
- Gopinathan, U., Hougendobler, D., Watts, N., Cuadrado, C., Guinto, R.R., Lefebvre, A., Meganathan, S., Wanjaw, W., Jorem, J., Habibullah, N.K., Asilia, P., & Mushtaq, U.A., Rethinking the foundations of global governance for health: The youth response. *The Lancet*. 2014, 383(9932):e16-e17.
- Gopinathan, U., Cuadrado, C., Watts, N., Guinto, R.R., Hougendobler, D., Wanjaw, W., Lefebvre, A., Jorem, J., Jiang, X., Habibullah, N.K., Meganathan, S., & Mushtaq, U.A., The political origins of health inequity: The perspective of the Youth Commission on Global Governance for Health. *The Lancet*. 2014, 383(9917):e12-e13.
- 2013 Barnett-Vanes, A., & Guinto, R.L.L., Disaster Curricula in Medical and Health Care Education: Adopting an Interprofessional Approach. *Prehospital and Disaster Medicine*. 2013, 28(6):644-645.
- Pleyer, C., Dhatt, R., Guinto, R., Thompson, K.A., de Leon, A.M., Iversen, J.H., Elias, M.W., Sousa, A., & Wanjaw, W., The role of young people in global health governance: an interview-based observational study. *The Lancet*. 2013, 382. [https://doi.org/10.1016/S0140-6736\(13\)62173-X](https://doi.org/10.1016/S0140-6736(13)62173-X).
- 2012 Guinto, R.L.L.R., Medical education in the Philippines: medical students' perspectives. *The Lancet*. 2012, 380(S14). [https://doi.org/10.1016/S0140-6736\(13\)60300-1](https://doi.org/10.1016/S0140-6736(13)60300-1).
- 2011 Guinto, R.L.L.R., Philippine Perspectives on Combating HIV-AIDS. *Journal of Global Health*. 2011.
- Guinto, R.L.L., Yore, D., Habibullah, N.K., de Leon, A.M., Tillman, T., Elliot-Green, A., & Gopinathan, U., Students' perspective on rooting out causes of health injustice. *The Lancet*. 2011, 378(9808):e20-e21. [https://doi.org/10.1016/S0140-6736\(11\)61628-0](https://doi.org/10.1016/S0140-6736(11)61628-0).

Name Jayson Carungay Ibañez

Sex Male

Organizational Affiliations

Director, Research and Conservation, Philippine Eagle Foundation

Fields of Specialization

Qualitative Social Research

Biodiversity

Species Diversity

Eagles

Wildlife Conservation

Development Studies

Endangered Species

Rural, Local, & Community Development

Good Governance

Community Empowerment

Indigenous People

Indigenous Knowledge Systems

Indigenous Cultures

Lectures, Conferences, Posters, Oral Presentations, or Papers Presented

2017 October 19-20 Salvador, E.I., & Ibañez, J.C. (2017 October 19-20). Conserving raptors using culture-based approaches: The case of the Philippine Eagle Conservation Program, 10th Asian Raptor Research and Conservation Network International Symposium held at Ateneo de Davao University, Davao City, Philippines.

2017 July 18-20 Ibañez, J.C. (2017 July 18-20). Knowledge integration and conservation: the case for the Bagobo-Manobo sister ethnic groups of the Mt. Apo Key Biodiversity Area, Mindanao, 26th Annual Philippine Biodiversity Symposium, Biodiversity Conservation Society of the Philippines, Ateneo de Manila University, Quezon City, Philippines.

2015 January 29-31 Ibañez, J.C., Salvador, D.I., & Carig, H.C. (2015 January 29-31). Holistic forest biodiversity conservation in the Arakan Valley through 'corridors' and 'stepping stones', 21st International Society of Tropical Foresters (ISTF-Yale Chapter) Conference of the Yale School of Forestry and Environmental Studies at Yale University, New Haven, Connecticut, USA.

2013 June Ibañez, J.C., Garnett, S., NAMADLA (Nagkahiusang Manobo sa Datu Ladayon), PALUPA (Panguandig Lumadnong Panaghiusa. Sitio Macati), & SEBNAKA (Sinaka Eagle Bagtok Napunangan Kayupaton) (2013 June). Developing a process framework for Indigenous community-based planning: a case from Mindanao, Philippines. In: Session 5: Indigenous Studies as a Development Concern, 2013 International Seminar-Workshop on Indigenous Studies, Quezon City, Philippines, 363-394.

2009 July 11-16 Ibañez, J.C., Salvador, D.I., Cereño, A.A., Sumaya, A.M.T., & Delima, E.A. (2009 July 11-16). Hope for threatened tropical forest predators: lessons from the Philippine Eagle Conservation Program, 23rd International Congress on Conservation Biology and 23rd Annual Meeting of Society for Conservation Biology (SCB), Institute of Zoology, Chinese Academy of Sciences. Beijing, China.

2003 October 10-13 Ibañez, J.C., Miranda, H.C., Jr., Afan, D.S., Balaquit-Ibañez, G., & Salvador, D.I. (2003 October 10-13). Updates on the radio-telemetry of Philippine Eagles on Mindanao Island, Philippines, Third Symposium on Asian Raptors, Asian Raptor Research Conservation Network Symposium, Kenting, Taiwan.

Publications

2019 Medina, M.N.D., Cabras, A.A., Ibañez, J., Opiso, G., & Villanueva, R.J.T., Annotated list of tiger beetles (Coleoptera, Cicindelidae) in Calanasan, Apayao Province, Luzon, Philippines. Check

- List, 2020, 16(1):37-45.
- 2019 Ibañez, J.C., Second Chances. *Animal Scene*, 2019, 19(7):58-61.
- 2018 Mironov, S.V., Efeykin, B.D., Ibañez, J.C., Sumaya, A.M., & Tolstenkov, O.O., Captive individuals of endangered Philippine raptors maintain native feather mites (Acariformes: Pterolichoidea) species. *International Journal for Parasitology: Parasites and Wildlife*, 2018, 7(2):116-133.
 Abaño-Sarigumba, T., Brown, R.M., Welton, L.J., & Ibañez, J.C., Records of the Northern Sierra Madre Forest Monitor *Varanus Bitatawa* from the Northern Cordillera. *Herpetological Review*, 2018, 49(2):208-209.
- 2016 Ibañez, J.C., Sumaya, A.M., Tampos, G., & Salvador, D., Preventing Philippine Eagle hunting: what are we missing?. *Journal of Threatened Taxa*, 2016, 8(13):9505-9511.
 Abaño, T.R.C., Salvador, D.J., & Ibañez, J.C., First nesting record of Philippine Eagle *Pithecopaga jefferyi* from Luzon, Philippines, with notes on diet and breeding biology. *Short Notes*, 2016, 32:86-88.
 Ibañez, J., Austin, B.J., & Garnett, S.T., Chapter 3: Planning sustainable development within ancestral domains: Indigenous people's perceptions in the Philippines. In: Lankova, K., Hassan, A., & L'Abbe, R. (Eds.) *Indigenous People and Economic Development: An International Perspective*, 2016:74-112.
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- 2015 Abaño, T.R.C., Tampos, G.G., Taraya, R.L., Salvador, D.J.I., & Ibañez, J.C., Dispersal of Philippine Eagles Released in the Forests of Mindanao, Philippines. *Journal of Raptor Research*, 2015, 49(4):506-512.
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 Alviola, G.L., Del Rosario, B.I., Otado Y, J.B., & Ibañez, J.C., Birds of Malagos Watershed, Southeastern Philippines. *Asian Journal of Biodiversity*. 2010, 1(1).
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- 2008 Ibañez, J.C., & Salvador, D.I. (Editors), Philippine Eagle Foundation, Conservation International-Philippines, Department of Environment and Natural Resources. 2008. Eastern Mindanao Biodiversity Corridor Conservation Framework. Davao City, Philippines. 95 pp.
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Name Paul Gideon D. Lasco

Sex Male

Organizational Affiliations

Senior Lecturer, Department of Anthropology, University of the Philippines Diliman, Quezon City, Philippines

Research Fellow, Development Studies Program, Ateneo de Manila University, Diliman, Quezon City, Philippines

Education

Doctor of Philosophy in Medical Anthropology, Institute of Social Science Research, University of Amsterdam, The Netherlands

Master of Science in Medical Anthropology, College of Medicine, University of the Philippines, Manila, Philippines, 2014

Doctor of Medicine, University of the Philippines, Manila, Philippines, 2010

Fields of Specialization

Public Health

Medical Anthropology

Noncommunicable Diseases

Human Height

Politics of Health Care

Drugs of Abuse

Experience

Physician, Medical Anthropologist, & Assistant Professor, University of the Philippines

Visiting Faculty, University of Sao Paulo, Brazil, 2019

Visiting Researcher, National University of Singapore, 2016

Visiting Researcher, Washington University of St. Louis, 2015

Program Coordinator, UHC Study Group of the National Institutes of Health, University of the Philippines Manila, 2011-2013

Regular Columnist, Philippine Daily Inquirer

Board Member, Centre for Sustainability

Board Member, Philippine Center for Investigate Journalism

Publications

- 2020 Lasco, G., Drugs and drug wars as populist tropes in Asia: Illustrative examples and implications for drug policy. *International Journal of Drug Policy*. 2020, 77:102668.
- Lasco, G., De estatura regular: Height and Filipino Bodily Representations during the Spanish Colonial Period (1521-1898). *Philippine Studies: Historical and Ethnographic Viewpoints*. Ateneo de Manila University. 2020, 68(1):57-82.
- 2019 Lasco, G., & Hardon, A.P., Keeping up with the times: skin-lightening practices among young men in the Philippines. *Culture Health & Sexuality*. 2019, doi:10.1080/13691058.2019.1671495.
- Lasco, G., & Larson, H.J., Medical populism and immunisation programmes: Illustrative examples and consequences for public health. *Global Public Health*. 2019, 15(3):334-344.
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- 2014 Lasco, G., *Pampagilas*: Methamphetamine in the everyday economic lives of underclass male youths in a Philippine port. *International Journal of Drug Policy*. 2014, 25(4):783-788.
- 2012 Romualdez, A., Jr., Lasco, P.G., & Lim, B.A., Universal Health Care in the Philippines. 2012, 27(2).

Name Lydia R. Leonardo

Sex Female

Organizational Affiliations

Professor and University Scientist, Department of Parasitology, University of the Philippines, Manila, Philippines

Fields of Specialization

Schistosomiasis

Public Health

Parasitology

Medical Malacology

Soil-Transmitted Helminthiasis

Food-borne Helminthiasis

Experience

Faculty, Department of Parasitology, University of the Philippines Manila, Philippines, 1995-2017

Former Chair, Parasitology Department, College of Public Health, University of the Philippines Manila

Publications

- 2020 Araujo Navas, A.L., Osei, F., Soares Magalhães, R.J., Leonardo, L.R., & Stein, A., Modelling the impact of MAUP on environmental drivers for *Schistosoma japonicum* prevalence. *Parasites & Vectors*. 2020, 13:112.
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Name Katerina Tolentino Leyritana

Sex Female

Organizational Affiliations

Medical Doctor, Sustained Health Initiatives of the Philippines (SHIP), Inc.

Education

Doctor of Medicine, Pamantasan ng Lungsod ng Maynila, 2004

Bachelor of Science in Psychology, University of the Philippines, 2000

Fields of Specialization

Psychiatry

Internal Medicine (General Medicine)

Infectious Diseases

HIV

Community Development

Healthcare Education

Healthcare Management

Experience

Medical Director, Sustained Health Initiatives of the Philippines (SHIP), Inc., 2015 June-Present

Medical Director, SHIP Clinic, Shaw Boulevard, Mandaluyong City, Philippines, 2013 March-Present

Medical Consultant, United Doctors Medical Center, 2012 March-2015 November

Medical Consultant, St. Patrick's Healthcare, Shaw Boulevard, Highway Hills, Mandaluyong City, Philippines, 2013 June-2014 June

Clinic Staff, Research Institute of Tropical Medicine Satellite Clinic, Philippines, 2012 March-2013 March

Clinic Staff, PhilhealthCare, Inc., (PhilCare), Philippines, 2012 January-2013 March

Research Fellow (HIV), Section of Infectious Diseases, University of the Philippines-Philippine General Hospital, Manila, Philippines, 2011 March-2012 February

Clinic Fellow, Section of Infectious Diseases, University of the Philippines-Philippine General Hospital, Manila, Philippines, 2009 March-2011 February

Organizer, Philippine Red Party, Philippines, 2009 September-2012 January

Fellow, Arthur Ashe Endowment for the Defeat of AIDS, New York, 2011 October

Internal Medicine Resident, Department of Medicine, University of the Philippines-Philippine General Hospital, Manila, Philippines, 2006 January-2008 December

Honors / Awards

Outstanding Young Men 2018 Award, Senate of the Philippines, 2019 February 6

International Investigator Award, HIV Medical Association of the Infectious Diseases Society of America

Lectures, Conferences, Posters, Oral Presentations, or Papers Presented

2015 October Salvana, E.M., Leyritana, K., Alejandria, M., Destura, R., Ching, P., Duque, R., Duque, R., Amor, C., Sison, O., & Lim, J. (2015 October) Predictors of Mortality in Persons Living with HIV in the Philippines: The Impact of Widespread Antiretroviral Therapy and the Case for Early Treatment, San Diego, California, USA.

- 2013 Leyritana, K., Alejandria, M., Tenorio, A., & Salvaña, E. (2013 October 5) The evolving epidemiology of
 October 5 people living with HIV in a developing country in the midst of an epidemic: a descriptive cohort,
 Infectious Diseases Society of America 2013 Annual Meeting, San Francisco, California, USA (Poster
 Presentation)
- 2011 Roman, A.D., Leyritana, K., Tenorio, A., Alejandria, M., Lim, J., & Salvana, E.M. (2011 October 21) High
 October Rates of Adverse Drug Reactions to Nevirapine in Filipino HIV Patients, Infectious Diseases Society of
 21 America 2011 Annual Meeting, Boston, Massachusetts, USA. (Poster Presentation)

Publications

- 2020 Salvana, E.M.T., Samonte, G.M.J., Telan, E., Leyritana, K., Tactacan-Abrenica, R. J., Ching, P.R., Arevalo,
 G., Dungca, N., Peñalosa-Ramos, C., Mendoza, K., Trinidad, L., Tonga, A., Lim, J., Destura, R.,
 Alejandria, M., Solante, R., Arcangel, L., Palaypayon, N., & Schwem, B.E., High rates of tenofovir failure
 in a CRF01_AE-predominant HIV epidemic in the Philippines. *International Journal of Infectious
 Diseases*. 2020, 95:125-132.
- 2019 Francisco, C., Lansang, M.A., Salvana, E.M., & Leyritana, K., Multidrug-resistant tuberculosis (MDR-TB)
 and multidrug-resistant HIV (MDR-HIV) syndemic: Challenges in resource limited setting. *BMJ Case
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- Salvana, E.M., Dungca, N., Arevalo, G., Leyritana, K., Francisco, C., Penalosa, C., Destura, R., & Schwem,
 B., 1282. Detection of HIV Transmitted Drug Resistance by Next-Generation Sequencing in a CRF01_AE
 Predominant Epidemic. *Open Forum Infectious Diseases*. 2018, 5(suppl_1):S391-S391.
- 2017 Salvana, E.M., Schwem, B., Penalosa, C., Arevalo, G., Dungca, N., Lim, J., Leyritana, K., & Destura, R.,
 HIV Transmitted Drug Resistance in the Philippines: The Case for Baseline Genotyping and Drug
 Resistance Testing. *Open Forum Infectious Diseases*. 2017, 4(suppl_1):S423-S423.
- Ganguangco, L.M.A., Sawada, I., Tsuchiya, N., Do, C.D., Pham, T.T.T., Rojanawiwat, A., Alejandria, M.,
 Leyritana, K., Yokomaku, Y., Pathipvanich, P., & Ariyoshi, K., Regional differences in the prevalence of
 major opportunistic infections among antiretroviral-naïve human immunodeficiency virus patients in
 Japan, Northern Thailand, Northern Vietnam, and the Philippines. *American Journal of Tropical
 Medicine and Hygiene*. 2017, 97(1):49-56.
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 Arevalo, G., Alejandria, M., Leyritana, K., Trinidad, L., Penalosa C., & Lim, J., High Tenofovir Failure
 Rates in an Emerging, Non-B Subtype HIV Epidemic. *Open Forum Infectious Diseases*. 2017, 4(suppl_1),
 S428-S428.
- 2016 Salvana, E.M., Schwem, B., Samonte, G., Tactacan-Abrenica, R., Telan, E., Mendoza, K., Arevalo, G.,
 Alejandria, M., Leyritana, K., Trinidad, L., & Lim, J., HIV Treatment Failure and Acquired Drug
 Resistance After 1 Year on Antiretrovirals in the Philippines. *Open Forum Infectious Diseases*. 2016,
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 Leptospirosis outbreak after a heavy rainfall typhoon in the Philippines: Clinical features, outcome and
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 O., & Lim, J., Predictors of Mortality in Persons Living With HIV in the Philippines: The Impact of
 Widespread Antiretroviral Therapy and the Case for Early Treatment. *Open Forum Infectious Diseases*.
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 Widespread Antiretroviral Therapy and the Case for Early Treatment. *Open Forum Infectious Diseases*.
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- 2014 Roman, A.D.E., Salvaña, E.M.T., De Guzman-Peñamora, M.A.J., Roxas, E.A., Leyritana, K.T., & Saniel,
 M.C., Invasive trichosporonosis in an AIDS patient: Case report and review of the literature.
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- 2013 Mendoza, M.T., Roxas, E.A., Ginete, J.K., Alejandria, M.M., Roman, A.D.E., Leyritana, K.T., Penamora,
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- 2011 Javier, A.C., Punzalan, F.E., Abelardo, N.S., Salvana, E.M., & Leyritana, K., P031 The Changing Face of Infective Endocarditis in the Adult Filipino: A Six Year Review (2004-2009) at the Philippine General Hospital. *International Journal of Cardiology*. 2011, 147(Suppl1):S17-S18.
- Leyritana, K.T., Saniel, M.C., Carpo, B.G., & Murray, H.W., New world cutaneous leishmaniasis in a traveler: The first documented case in the Philippines. *Acta Medica Philippina*. 2011, 45(3):73-76.
- 2010 Leyritana, K.T., Acelajado-Valdenor, MC.M., Tandoc, A.O., III, & Mejia, A.D., Heart Failure and Short Stature in a 43 year-old Male. *Case Records of the Department of Medicine, Philippine General Hospital*. *Acta Medica Philippina*, 2010, 44(1):72-77.

Name Michael Arie Padang Medina

Sex Male

Organizational Affiliations

Associate Professor, Department of Environmental Science, College of Forestry and Environmental Science, Central Mindanao University, University Town, Musuan, Bukidnon, Philippines

Fields of Specialization

Development Research Administration

Ecological Footprint

Climate Change Adaptation

Disaster Risk Reduction

Sustainable Development

Environment

Lectures, Conferences, Posters, Oral Presentations, or Papers Presented

2014 November 19-22 Medina, M.A.P. (2014 November 19-22). Determinants of Job Mismatch Among Forestry and Environmental Science Graduates of Central Mindanao University, International Conference on Forestry Education and Research: Gearing Towards ASEAN 2015 (FORED 2014), Umali Auditorium, SEARCA, UP Los Baños, Laguna.

2014 September 1-5 Faustino, N.C., & Medina, M.A.P. (2014 September 1-5). Impact Evaluation of the School Electrification and Education (SEEd) Project of the Alliance for Mindanao Off grid Renewable Energy Program (AMORE): A Utilization of Propensity Score Matching (PSM), "Making Impact Evaluation Matters" Research Conference, ADB Headquarters, Metro Manila, Philippines.

2014 May 19 Medina, M.A.P., & Catalon, B.G. (2014 May 19). Developing Sustainability Scenarios using Ecological Footprints: A Case Study of the College of Forestry and Environmental Science, Central Mindanao University, Interdisciplinarity 2.0 National Research Conference, Brokenshire Multimedia Learning Center, Brokenshire College, Davao City, Philippines.

Publications

2020 Marin, R.A., Medina, M.A.P., & Pacquit, J.C., Environmental services of Adlay (*Coix lacryma-jobi* L): a potential agroforestry crop in the uplands. IOP Conference Series: Earth and Environmental Science. Volume 449, The 3rd International Conference in Agroforestry (ICAF) "Adopting Modern Agroforestry Toward Smart Social Forestry Program" 16-17 October 2019, Yogyakarta, Indonesia.

Medina, M.A., Preliminary Estimate of COVID-19 Case Fatality Rate in the Philippines using Linear Regression Analysis. SSRN, 2020: <https://ssrn.com/abstract=3569248> or <http://dx.doi.org/10.2139/ssrn.3569248>.

Medina, M.A., Age As a Risk Factor of COVID-19 Mortality in the Philippines. SSRN, 2020: <https://ssrn.com/abstract=3579145> or <http://dx.doi.org/10.2139/ssrn.3579145>

Rupinta, N.M., Medina, M.A., & Marin, R., Effects of Different Hot Water Pre-Germination Treatment and Germination Media on the Germination of Falcata (*Falcataria Moluccana*, (Miq.) Barneby and J.W. Grimes). International Journal of Biosciences. 2020, 16(2):130-136. SSRN: <https://ssrn.com/abstract=3582221>.

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2018 Medina, M.A.P., & Paquit, J.C., Revealing the social vulnerability of communities to disasters using a composite index based on village-level poverty data. Journal of Biodiversity and Environmental Sciences, 2018, 13(6):109-116.

Medina, M.A.P., & Belcena, K.P., Measuring a University's Environmental Impact through its Carbon Emissions. World News of Natural Sciences, 2018, 20:78-84.

Marin, R.A., Aguinas, M.K.C., Medina, M.A.P., & Paquit, J.C., Rooting performance of bahai (*Ormosia calavensis* Azaola ex Blanco) and Bakan (*Litsea philippinensis* Merr.) As affected by different

- concentrations of indole-3-Butyric acid (IBA). *International Journal of Biosciences*, 2018, 13(1):1-9.
- Medina, M.A.P., A Community Extension Framework for Philippine Higher Education Institutions: A Model Developed from Small-Scale Climate Change Adaptation Projects of Central Mindanao University. *World Scientific News*, 2018, 105:204-211.
- Medina, M.A. & Paquit, J., Revealing the Social Vulnerability of Communities to Disasters using a Composite Index based on Village-Level Poverty Data. *Journal of Biodiversity and Environmental Sciences*. 2018, 13(6):109-116. SSRN: <https://ssrn.com/abstract=3582199>.
- 2017 Toledo-Bruno, A.G., Marin, R.A., Medina, M.A.P., Puno, G.R., Villarta, R.O., & Puno, R.R., Ecology of litterfall production of giant bamboo *Dendrocalamus asper* in a watershed area. *Global Journal of Environmental Science and Management*, 2017, 3(4):363-372.
- Toledo-Bruno, A.G., Macas, D.G., Buenavista, D.P., Medina, M.A.P., & Forten, R.R.C., Amphibian and reptile diversity in Mt. Kalatungan Range Natural Park, Philippines. *Environmental and Experimental Biology*, 2017, 15(2):127-135.
- Medina, M.A.P., & Toledo-Bruno, A.G., Ecological footprint of university students: Does gender matter?. *Global Journal of Environmental Science and Management*, 2017, 2(4):339-344.
- 2016 Aribal, L.G., Llamas, E.J.N., Bruno, A.G.T., & Medina, M.A.P., Comparative leaf morphometrics of two urban tree species: an assessment to air pollution impacts. *Journal of Biodiversity and Environmental Sciences*, 2016, 9(1):106-115.
- Toledo-Bruno, A.G., Medina, M.A.P., & Patricio, J.H.P., Ecological Footprint of Residents in a University Town in Mindanao, Philippines. *Central Mindanao University Journal of Science*, 2016, 20(1):24-34.
- Medina, M.A.P., & Moraca, J.M., Should I Stay or should I Go? Determinants of Evacuation upon Flood Warning among Households in a Flood Prone Area in Bukidnon, Philippines. *International Letters of Natural Sciences*, 2016, 50:70-75.
- 2015 Medina, M.A.P., & Catalon, B.G., Reducing our Ecological Footprint: Developing Sustainability Scenarios for the College of Forestry and Environmental Science, Central Mindanao University, Philippines. *Bulletin of Environment, Pharmacology and Life Sciences*, 2015, 4(8):01-06.
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- Medina, M.A.P., Selecting Globally Accepted but Locally Available Sustainable Development Indicators Pursuant to Philippine National Development Priorities. *International Journal of Science, Environment and Technology*, 2015, 4(2):452-458.
- Medina, M.A.P., & Arche, J.G., The value of flood risk reduction in selected communities near the Pulangui river in Bukidnon, Philippines. *Journal of Biodiversity and Environmental Sciences*, 2015, 6(3):84-90.
- Medina, M.A.P., The sustainability of on campus residence: a utilization of ecological footprinting in a state university in Mindanao, Philippines. *Advances in Environmental Sciences - International Journal of the Bioflux Society*, 2015, 7(1).
- Medina, M.A.P., Gender and Educational Influences of Job Mismatch: The Case of Forestry and Environmental Science Graduates of a Philippine State University. *Journal of Environmental and Occupational Science*, 2015, 4(1):5-9.
- Medina, M.A.P., A proposed local sustainable development index: An application to cities of Davao Region, Philippines. *Journal of Environmental and Occupational Science*. 2015, 4(2):106-110.
- 2009 Medina, M.A.P., Social Dimensions of Livability in a Housing Project. *Philippine Geographical Journal*, 2009, 53:16-22.

Name Milton Norman Dejadena Medina

Sex Male

Organizational Affiliations

Faculty, Coleoptera Research Center, University of Mindanao, Davao City, Philippines

Education

Master of Science in Science Education, Science and Mathematics Education Centre Curtin University of Technology, Western Australia, 2010

Bachelor of Science in Biology, Central Mindanao University, Bukidnon, Philippines, 2004

Fields of Specialization

Coleoptera

Conservation

Taxonomy

Transformative Education

Beetles

Entomology

Molecular Biology

Linnaean Taxonomy

Ecology

Environmental Science

Biodiversity

Experience

Assistant Vice President for Natural Science and Innovation, Research and Publication Center, University of Mindanao, Davao, Philippines, 2018 August-Present

Assistant Professor, Coleoptera Research Center, University of Mindanao, Davao City, Philippines, 2013 October-Present

Project Leader, Mohamed Bin Zayed Species Conservation Fund, 2014 November-Present

Director, Research and Development Center, Assumption College of Nabunturan, Nabunturan, Compostela Valley, Philippines, 2010 June-2013 October

Project Leader, Rufford Small Grant Foundation, 2012 January-2013 January

Publications

2020 Cabras, A.A., & Medina, M.N., *Metapocyrtus ginalopezae* sp.n. a new *Orthocyrtus* from Davao de Oro, Mindanao Island. *Baltic Journal of Coleopterology*, 2020, 19(2):205-211.

Cabras, A.A., & Medina, M.N.D., New species and new distributional records of *Doliops Waterhouse, 1841* (Coleoptera: Cerambycidae: Lamiinae) with notes on ecology and mimicry from Mindanao Island, Philippines. *Baltic Journal of Coleopterology*, 2020, 19(2):179-186.

Medina, M.N.D., Cabras, A.A., Ibanez, J., Opiso, G., & Villanueva, R.J.T., Annotated list of tiger beetles (Coleoptera, Cicindelidae) in Calanasan, Apayao Province, Luzon, Philippines. *Check List*, 2020, 16(1):37-45.

Bollino, M., Medina, M.N., & Cabras, A., Three new *Metapocyrtus* Heller, 1912 (Curculionidae, Entiminae, Pachyrhynchini) from Mindanao Island, Philippines. *Journal of Tropical Coleopterology*. 2020, 1(1):26-38.

Anichtchenko, A., & Medina, M.N., Contribution to the knowledge of three species of the genus

- Thopeutica Schaum, 1861 from the Philippines (Coleoptera: Carabidae: Cicindelinae). *Zootaxa*. 2020, 4748(2):389-395.
- 2019 Medina, M.N.D., Cabras, A.A., & Wiesner, J., *Thopeutica petertaylori*, a new tiger beetle species (Coleoptera: Cicindelidae) from Mindanao, Philippines. *Insecta Mundi*, 2019, 0733:1-5.
- Cabras, A.A., Medina, M.N.D., & Zhang, G., *Metapocyrtus kitangladensis* sp. n., a new *Pachyrhynchus cumingii* GR Waterhouse, 1841 mimic from Mindanao Island, Philippines. *ZooKeys*, 2019, 853:119-129.
- Medina, M.N.D., Cabras, A.A., Ibanez, J., Opiso, G., & Villanueva, R.J.T., Annotated list of tiger beetles (Coleoptera, Cicindelidae) in Calanasan, Apayao Province, Luzon, Philippines. *Check List*, 2020, 16(1):37-45.
- Medina, M.N.D., Cabras, A.A., & Ponce, R.G., List of Threatened Fauna in Mt. Hamiguitan Range Wildlife Sanctuary, Davao Oriental, Mindanao Island, Philippines. 2019, 10(1).
- Taylor, P.C., & Medina, M.N., Chapter 3: Teaching and Learning Transformative Research: Complexity, Challenge and Change: Complexity, Challenge and Change. In: *Research as Transformative Learning for Sustainable Futures*. Leiden, The Netherlands: Brill. 2019, doi:https://doi.org/10.1163/9789004393349_003.1
- 2018 Medina, M.N.D., & Cabras, A.A., Assessment of Odonata and Lepidoptera Fauna of the University of Mindanao Matina, Davao City, Philippines. *University of Mindanao Multidisciplinary Research Journal*, 2018, 3(1).
- Medina, M.N.D., & Cabras, A.A., Birds of the University of Mindanao Matina Campus, Davao City, Philippines. *University of Mindanao Multidisciplinary Research Journal*, 2018, 3(1).
- Medina, M.N.D., Cabras, A.A., Villanueva, R.J.T., & Colong, R., Odonata Recorded in the Buffer Zone of Mt. Hamiguitan Range Wildlife Sanctuary with Remarks on the Distribution of Endangered *Risicnemis antoniae* in Davao Oriental Philippines. *Notulae Scientia Biologicae*, 2018, 10(1):14-20.
- Cabras, A.A., Bollino, M., & Medina, M.N., A new species of the subgenus *Orthocyrtus*, genus *Metapocyrtus* (Coleoptera, Curculionidae, Entiminae, Pachyrhynchini) from Mindanao, with notes on its ecology. *Baltic Journal of Coleopterology*, 2018, 18(1):39-46.
- Cabras, A.A., & Medina, M.N.D., *Metapocyrtus (Artapocyrtus) willietorresi* sp. n. (Coleoptera: Curculionidae) from Southern Mindanao (Philippines), with notes on its ecology and mimicry complex. *Baltic Journal of Coleopterology*, 2018, 18(2):185-192.
- 2017 Galang, H.P.G., Medina, M.N.D., & Castillo, P.M., Angiogenesis inhibiting capacity of *Basella rubra* and *Syzgium cumini* fruit extracts using chorioallantoic membrane assay. *bioRxiv* 201566 (pre-print); doi:<https://doi.org/10.1101/201566>.
- 2016 Carreon, H.G., Morales, N.E., Cabras, A.A., & Medina, M.N.D., Preliminary list of bryophytes in Tagbaobo, Kaputian, Island Garden City of Samal, Philippines. *University of Mindanao Multidisciplinary Research Journal*, 2016, 1(1):152-157.
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- Medina, M.N.D., & Cabras, A.A., Gametophyte development of *In Vitro* cultured *Diplazium esculentum* (Retz.) and *Asplenium nidus* L.. *University of Mindanao Multidisciplinary Research Journal*, 2016, 1(1):143-151.
- Caparoso, K.R., Medina, M.N.D., Jumawan, K.M., & Villanueva, R.J., Species composition and status of Odonata in Malabog, Paquibato District Davao City, Philippines. *University of Mindanao Multidisciplinary Research Journal*, 2016, 1(2):158-163.
- Cinco, R.A., Mana-ay, J.B., Obillo, K.M.A., Medina, M.N.D., & Leaño, E.P., Efficiency of chitosan (Poly-[D] Glucosamine) as natural organic coagulant in pre-treatment of active carbon effluent in Panacan, Davao City. *University of Mindanao Multidisciplinary Research Journal*, 2016, 1(2):149-157.
- Medina, M.N.D., & Dela Cruz, R., Partial Mitochondrial DNA Barcode of *Rafflesia Mira Fernando* & Ong, 2005 (Syn. *Rafflesia Magnifica* Madulid, Tandang, Agoon, 2005) Using MatR with Phylogenetic Analysis of Selected *Rafflesia* Species in the World. *International Journal of Environment, Agriculture and Biotechnology*. 2016, 1(3):374-380.
- Quitain, D.J., Medina, M.N.D., Relox, R.E., Leaño, E.P., Birds of Mainit Hot Spring Protected Landscape, Nabunturan Compostela Valley Province, Mindanao Island Philippines. *Journal of Biodiversity and Environmental Sciences*. 2016, 9(2):149-155.
- Medina, M.N., & Kloppenburg, R.D., *Hoya josetteae* sp. nov. a new species of Hoya (Apocynaceae - Asclepiadaceae) from Maharlika, Marilog District, Davao City, Mindanao Island, Philippines. In: *Kloppenburg, D. (Ed.), HOYA NEW*. 2016, 5(4).

- Medina, M.N.D., Amoroso, V.B., & Kloppenburg, R.D., Changes of leaf morphology of *Hoya amorosoae* from varying light exposure: Its implications to species description and taxonomy. *Journal of Biodiversity and Environmental Sciences*. 2016, 8(6):232-237.
- Medina, M.N.D., Sivec, I., & Villanueva, R.J.T., Philippine Plecopteran with four new records in Compostela Valley Province. *University of Mindanao Multidisciplinary Research Journal*, 2016, 1(1):170-181.
- 2015 Medina, M.N.D., Cabras, A.A., & Villanueva, R.J.T., Odonata of Island Garden city of Samal and its Relation to other Small Islands in the Philippines. *International Research Journal of Biological Sciences*, 2015, 4(9):54-60.
- Medina, M.N.D., Cabras, A.A., & Villanueva, R.J.T., Odonata Fauna of Compostela, Valley Province, Mindanao Island, Philippines. *International Journal of Current Research in Biosciences and Plant Biology*, 2015, 2(10):104-109.
- Medina, M.N.D., Cabras, A.A., & Villanueva, R.J.T., Description of male *Risicnemis moroensis* Hämäläinen 1991(Odonata: Platycnemididae) from Davao City, Mindanao Island, Philippines. *Journal of Advances in Biology*, 2015, 8(3):1636-1640.
- 2013 Villanueva, R.J.T., Medina, M.N.D., & Jumawan, K.M., *Pericnemis melansoni* sp. nov., a new damselfly (Odonata: Coenagrionidae) from Compostela Valley Province, Mindanao Island, Philippines. *Journal of Threatened Taxa*. 2013, 5(7):4110-4112.
- Taylor, P.C., & Medina, M.N.D., Educational research paradigms: From positivism to multiparadigmatic. *Journal for Meaning Centered Education*. 2013.
- 2012 Jumawan, K.M., Medina, M.N.D., & Villanueva, R.J.T., Annotated List of Odonata From Mainit Hot Spring Protected Landscape, Compostela Valley, Mindanao Island, Philippines. *Philippine Journal of Systematic Biology*. 2012, 5(1):14-27.
- 2011 Taylor, P.C., & Medina, M., Educational research paradigms: From positivism to pluralism. *College Research Journal*. 2011, 1(1):1-16.

Name Rikki Lee Bosita Mendiola

Sex Female

Organizational Affiliations

Data Analyst, Amihan Global Strategies (AGSX)

Data Science Fellow, Eskwelabs

Education

Master of Information Technology, University of the Philippines Los Baños, Laguna, Philippines, 2020

Bachelor of Science in Development Communication (major in Development Journalism), University of the Philippines Los Baños, Laguna, Philippines, 2013

Secondary Level, University of the Philippines Rural High School, 2009

Fields of Specialization

Information Systems (Business Informatics)

Qualitative Social Research

Communication and Media

Urban/Rural Sociology

Qualitative and Multi-method research

Information Systems (Business Informatics)

Experience

Data Analyst, Amihan Global Strategies (AGSX), 2019 December-Present

Apprenticeship, Information Systems Analyst, University of the Philippines Los Baños, Laguna, 2019 September-Present

University Extension Specialist, University of the Philippines Los Baños, Laguna, 2015 May-2019 July

Intern, Food and Agriculture Organization, Los Baños, Laguna, 2017 October-2017 December

Freelance Graphic and Web Designer, Layout Artist, and Writer, 2012-2017 December

Consultant, World Bank Group, World Bank Group, 2015 April-2015 June

Communications and Programming Specialist, InteGREAT, Inc., 2014 September-2015 March

Creative Arts Specialist, Ecosystems Research and Development Bureau, 2014 January-2014 September

Information Officer II, Agricultural Training Institute, Department of Agriculture, 2013 August-2013 December

Student Assistant, College of Development Communication, Department of Development Journalism, University of the Philippines Los Baños, Laguna, Philippines, 2011 June-2013 October

Intern, Asia Society for Social Improvement and Sustainable Transformation, Makati, Philippines, 2012 April-2012 May

Managing Editor, The Los Baños Times, College of Development Communication, Department of Development Journalism, University of the Philippines Los Baños, Laguna, Philippines, 2011 November-2012 May

Press Head/Web Content Administrator, Provincial YFC Communications, Youth For Christ Laguna, 2011 February-2012 February

Lectures, Conferences, Posters, Oral Presentations, or Papers Presented

- 2017 Mendiola, R.L.B., Bernardo, E., & Custodio, P. (2017 September 19-20) Philippine Association for the September Advancement of Science and Technology (PHILAAST) Convention.
19-20

Publications

- 2019 Mendiola, R.L.B., & Custodio, P.A., Self-Reflexivity in DevCom Research: An Autoethnography. In: Communicating for Social Change. 2019, pp. 197-211. Springer Singapore. https://doi.org/10.1007/978-981-13-2005-7_10.
- 2018 Mendiola, R.L.B., Centeno, E., & Moscoso, M., Rethinking Educational Communication as a Domain of Development Communication. Proceedings of the 4th International Conference on Education, Bangkok, Thailand, April 2018.
- Mendiola, R.L.B., A user experience analysis on e-Learning environments: Towards a reflexive approach in e-Learning systems development. Proceedings of the 4th International Conference on Education, Bangkok, Thailand, April 2018.
- Mendiola, R.L.B., Custodio, P., & Bernardo, E., Twitter as public engagement or electronic elsewhere? The case of Project NOAH. Proceedings of the International Communication Association 68th Annual Conference, Prague, Czech Republic.
- Mendiola, R.L.B., Technology acceptance as design and domestication: The case of SwineCart. Proceedings of the 1st International Conference and 8th Scientific Meeting, University of the Philippines Los Baños, Laguna, Philippines, November 2018.
- 2017 Flores, J.J., Obrero, R.J., Gelisan, L.A., Foronda, E.A., & Mendiola, R.L., Creating Virtual Corridors: Social Network Discovery and Landscape Patch Connectivity of Permaculture Projects and Initiatives on Facebook. International Journal on Open and Distance e-Learning. 2017, 3(2):13-38.
- 2016 Mendiola, R.L.B., Bantay Halalan: Election Stories: Crowdsourcing, Social Media and Engagement. Proceedings of the 6th ADCEP National Conference, Benguet State University, Philippines. November 2016.
- Mendiola, R.L.B., Media, Learning, and Development: Reflections on Development Thinking and DevCom Praxis. Proceedings of the 6th ADCEP National Conference, Benguet State University, Philippines. November 2016.
- 2013 Mendiola, R.L.B., Exploring the Notions of an Indigenous Presence in the Public Sphere of Mining Discourse: The Alangan Mangyan's Enclaved Public. Proceedings of the 4th The Asian Conference on Media and Mass Communication, Osaka, Japan, November 2013.

Name Susan Pineda Mercado

Sex Female

Organizational Affiliations

Strategic Advisor, International Federation of Red Cross and Red Crescent Societies

Education

Masters in Public Health, College of Public Health, University of the Philippines, 1994

Doctor of Medicine, University of the Philippines, 1987

Bachelor of Arts in Philosophy (*magna cum laude*), University of the Philippines, 1979

Fields of Specialization

Noncommunicable diseases

Public Health

Tobacco dependence

Smoking cessation

Experience

Strategic Advisor, International Federation of Red Cross and Red Crescent Societies, 2020 March-Present

Member for Public Health, Expert Panel, Board of Directors, Philippine Health Insurance Corporation, 2019 July-Present

Special Envoy of the President for Global Health Initiatives, Republic of the Philippines, Office of the President of the Republic of the Philippines, 2018 April-Present

Board Member, NEURON: Leadership and Communication Center for Asia and the Pacific, 2017-Present

Deputy Secretary General, Centers for Health in Humanitarian Action, Philippine Red Cross, Philippines, 2018 November-2019 June

Lead, Philippine National Red Cross Institute for Public Health Emergencies, 2017 May-2018 October

Director, Noncommunicable Diseases and Health through the Life-Course, World Health Organization Regional Office for the Western Pacific, 2013-2017

Regional Coordinator, Tobacco-Free Initiative, World Health Organization Regional Office for the Western Pacific

2018 Special Envoy of the President for Global Health Initiatives

Head of Secretariat, Asia Pacific Forum on Health and Environment, 2013-2017

Chair, Gender, Women and Health, Technical Working Group, World Health Organization Regional Office for the Western Pacific, 2011-2017

Undersecretary and Chief of Staff, Department of Health, Philippines

Staff Association Chairperson and honorary Chairperson of Board of Directors, Mutual Benefit Fund, World Health Organization Regional Office for the Western Pacific, 2010-2011

Lead Facilitator, Fit for the Future change management initiative, 2009

Founding organizer, Alliance for Healthy Cities movement, 2004

Honors / Awards

One of the 100 Most Influential Filipina Women in the World, Innovator and Thought Leader category, Filipina Women's Network

Distinguished Alumni in Global Health, University of the Philippines, Alumni Association in America, 2017

Distinguished Alumni in Global Health, University of the Philippines, Medical Alumni Society, 2017

Bill and Melinda Gates Fellow, John Hopkins Center for Communication Programs, Maryland, United States of America, 2017

Women Helping Women Award, Soroptimist International, 1998

Most Outstanding Alumnus, Jose Abad Santos Memorial School, Philippine Women's University, 1995

Ten Outstanding Physicians in Community Service (TOPICS), Philippine Medical Association, 1995

Publications

- 2019 Mercado, S., Havemann, K., Sami, M., Ueda, H., Chapter 4, Urban Poverty: An Urgent Public Health Issue. In: *Slum Health*. Berkeley: University of California Press. 2019, doi:<https://doi.org/10.1525/9780520962798-009>
- 2017 David, A.M., Mercado, S.P., Klein, D., Kaundan, O.K., Koong, H.N., Garcia, E., Protecting children and families from tobacco and tobacco-related NCDs in the Western Pacific: Good practice examples from Malaysia, Philippines and Singapore. *Child Care Health and Development*, 43(5).
- 2013 Baquiolod, M.M., Segarra, A.B., Barcenas, G., Mercado, S.P., Rarick, J., Palipudi, K.M., Asma, S., Andes, L.J., Tailey, B., Exposure to secondhand smoke among adults - Philippines, 2009. *Global Health Promotion*. 2013, 23(2_suppl):48-57.
- David, A.M., Cruz, P.J., Mercado, S.P., Li, D., Building Tobacco Cessation Capacity in the U.S.-Affiliated Pacific Islands. *Health Promotion Practice*. 2013, 14(5_suppl):88S-95S.
- King, B.A., Mirza, S.A., Babb, S.D., & GATS Collaborating Group, A cross-country comparison of secondhand smoke exposure among adults: findings from the Global Adult Tobacco Survey (GATS). *Tobacco control*. 2013, 22(4):e5.
- 2012 Giovino, G.A., Mirza, S.A., Samet, J.M., Gupta, P.C., Jarvis, M.J., Bhala, N., Peto, R., Zatonski, W., Hsia, J., Morton, J., Palipudi, K.M., Asma, S., & GATS Collaborative Group, Tobacco use in 3 billion individuals from 16 countries: an analysis of nationally representative cross-sectional household surveys. *Lancet (London, England)*. 2012, 380(9842):668-679.
- Palipudi, K.M., Gupta, P.C., Sinha, D.N., Andes, L.J., Asma, S., McAfee, T., & GATS Collaborative Group, Social determinants of health and tobacco use in thirteen low and middle income countries: evidence from Global Adult Tobacco Survey. *PloS one*. 2012, 7(3):e33466.
- 2008 Kjellstrom, T., & Mercado, S., Towards action on Social Determinants for Health Equity in Urban Settings. *Environment and Urbanization*. 2008, 20(2):551-574.
- David, A.M., Mercado, S.P., Becker, D., Edmundo, K., & Mugisha, F., Approaches to the prevention and control of HIV/AIDS, TB and vector-borne diseases in slums and informal settlements, Thematic Paper 2, Knowledge Network on Urban Settings, WHO Centre For Health Development.
- 2007 Kjellstrom, T., Mercado, S., Satterthwaite, D., McGranahan, G., Friel, S., Havemann, K., ... & Yusuf, S., Our cities, our health, our future: Acting on social determinants for health equity in urban settings. Report to the Knowledge Network on Urban Settings, WHO Commission on Social Determinants of Health from the Knowledge Network on Urban Settings. 2007.
- Kjellstrom, T., Mercado, S., Sami, M., Havemann, K. & Iwao, S., Achieving Health Equity in Urban Settings. *Journal of Urban Health*. 2007, 84(3 Suppl):i1-6.
- Mercado, S., Havemann, K., Sami, M., & Ueda, H., Urban Poverty: An Urgent Public Health Issue. *Journal of Urban Health*. 2007, 84(7).
- David, A.M., Mercado, S.P., Becker, D., Edmundo, K., & Mugisha, F., The prevention and control of HIV/AIDS, TB and Vector-borne diseases in informal settlements: challenges, opportunities and insights. *Journal of urban health: bulletin of the New York Academy of Medicine*. 2007, 84(3 Suppl), i65-i74.
- 2003 Mercado, S., & Dingwall, A., Tobacco control begins to take hold in the Philippines. *Bulletin of the World Health Organization*. 81(9):694.

Name Maria Rica Mirasol-Lumague

Sex Female

Organizational Affiliations

Department Head, Department of Health-Rizal Cancer Registry, Rizal Medical Center, Philippines

Fields of Specialization

Oncology

Cancer

Epidemiology

Cancer Diagnostics

Tumor Markers

Prognostic Markers

Cancer Epidemiology

Experience

Department Head, Department of Health-Rizal Cancer Registry, Rizal Medical Center, Pasig, Philippines, 2001 October-Present

Publications

- 2016 Love, R.R., Hossain, S.M., Hussain, M.M., Mostafa, M.G., Laudico, A.V., Siguan, S.S., Adebamowo, C., Sun, J.Z., Fei, F., Shao, Z.M., Liu, Y., Akram Hussain, S.M., Zhang, B., Cheng, L., Panigaro, S., Walta, F., Chuan, J.H., Mirasol-Lumague, M.R., Yip, C.H., Navarro, N.S., Jr., Huang, C.S., Lu, Y.S., Ferdousy, T., Salim, R., Akhter, C., Nahar, S., Uy, G., Young, G.S., Hade, E.M., & Jarjoura, D., Luteal versus follicular phase surgical oophorectomy plus tamoxifen in premenopausal women with metastatic hormone receptor-positive breast cancer. *European Journal of Cancer (Oxford, England : 1990)*. 2016, 60:107-116.
- 2015 Love, R.R., Laudico, A.V., Van Dinh, N., Allred, D.C., Uy, G.B., Quang, I., Salvador, J.D., Siguan, S.S., Mirasol-Lumague, M.R., Tung, N.D., Benjaafar, N., Navarro, N.S., Jr., Quy, T.T., De La Peña, A.S., Dofitas, R.B., Bisquera, O.C., Jr., Linh, N.D., To, T.V., Young, G.S., Hade, E.M., & Jarjoura, D., Timing of adjuvant surgical oophorectomy in the menstrual cycle and disease-free and overall survival in premenopausal women with operable breast cancer. *Journal of the National Cancer Institute*. 2015, 107(6):djv064.
- 2013 Love, R.R., Young, G.S., Laudico, A.V., Van Dinh, N., Uy, G.B., Quang, I., De La Peña, A.S., Dofitas, R. B., Bisquera, O.C., Jr., Siguan, S.S., Salvador, J.D., Mirasol-Lumague, M.R., Navarro, N.S., Jr., Linh, N. D., & Jarjoura, D., Bone mineral density following surgical oophorectomy and tamoxifen adjuvant therapy for breast cancer. *Cancer*. 2013, 119(21):3746-3752.
- 2011 Redaniel, M.T., Laudico, A., Mirasol-Lumague, M.R., Gondos, A., & Brenner, H., Cancer survival differences between European countries and an urban population from the Philippines. *European journal of public health*. 2011, 21(2):221-228.
- 2010 Laudico, A.V., Mirasol-Lumague, M.R., Mapua, C.A., Uy, G.B., Toral, J.A., Medina, V.M., & Pukkala, E., Cancer incidence and survival in Metro Manila and Rizal province, Philippines. *Japanese Journal of Clinical Oncology*. 2010, 40(7):603-612.
- Moore, M.A., Manan, A.A., Chow, K.Y., Cornain, S.F., Devi, C.R., Triningsih, F.X., Laudico, A., Mapua, C.A., Mirasol-Lumague, M.R., Noorwati, S., Nyunt, K., Othman, N.H., Shah, S.A., Sinuraya, E.S., Yip, C.H., & Sobue, T., Cancer epidemiology and control in peninsular and island South-East Asia - past, present and future. *Asian Pacific journal of cancer prevention : APJCP*. 2010, 11(Suppl 2):81-98.
- Shin, H.R., Joubert, C., Boniol, M., Hery, C., Ahn, S.H., Won, Y.J., Nishino, Y., Sobue, T., Chen, C.J., You, S.L., Mirasol-Lumague, M.R., Law, S.C., Mang, O., Xiang, Y.B., Chia, K.S., Rattanamongkolgul, S., Chen, J.G., Curado, M.P., & Autier, P., Recent trends and patterns in breast cancer incidence among Eastern and Southeastern Asian women. *Cancer causes & control : CCC*. 2010, 21(11):1777-1785.
- Redaniel, M.T., Laudico, A., Mirasol-Lumague, M.R., Gondos, A., Uy, G.L., Mapua, C., & Brenner, H.,

- Breast cancer survival in different country settings: comparisons between a Filipino resident population, Filipino-Americans and Caucasians. *Breast (Edinburgh, Scotland)*. 2010, 19(2):109-114.
- Redaniel, M.T., Laudico, A., Mirasol-Lumague, M.R., Gondos, A., Uy, G., & Brenner, H., Inter-country and ethnic variation in colorectal cancer survival: comparisons between a Philippine population, Filipino-Americans and Caucasians. *BMC cancer*. 2010, 10:100.
- 2009 Laudico, A., Redaniel, M.T., Mirasol-Lumague, M.R., Mapua, C.A., Uy, G.B., Pukkala, E., & Pisani, P., Epidemiology and clinicopathology of breast cancer in metro Manila and Rizal Province, Philippines. *Asian Pacific journal of cancer prevention : APJCP*. 2009, 10(1):167-172.
- Redaniel, M.T., Laudico, A., Mirasol-Lumague, M.R., Gondos, A., Uy, G.L., Toral, J.A., Benavides, D., & Brenner, H., Ethnicity and health care in cervical cancer survival: comparisons between a Filipino resident population, Filipino-Americans, and Caucasians. *Cancer epidemiology, biomarkers & prevention : a publication of the American Association for Cancer Research, cosponsored by the American Society of Preventive Oncology*. 2009, 18(8):2228-2234.
- Tanaka, H., Tanaka, M., Chen, W., Park, S., Jung, K.W., Chiang, C.J., Lai, M.S., Mirasol-Lumague, M.R., Laudico, A.S., Sinuraya, E. S., Nishino, Y., Shibata, A., Fujita, M., Soda, M., Naito, M., Tsukuma, H., Moore, M. A., & Ajiki, W. (2009). Proposal for a cooperative study on population-based cancer survival in selected registries in East Asia. *Asian Pacific journal of cancer prevention : APJCP*, 10(6), 1191-1198.
- Redaniel, M.T., Laudico, A., Mirasol-Lumague, M.R., Gondos, A., Uy, G.L., Toral, J.A., Benavides, D., & Brenner, H., Ovarian cancer survival population differences: a "high resolution study" comparing Philippine residents, and Filipino-Americans and Caucasians living in the US. *BMC cancer*. 2009, 9:340.
- Tanaka, H., Tanaka, M., Chen, W., Park, S., Jung, K.W., Chiang, C. J., Lai, M., Mirasol-Lumague, M., Sinuraya, E., Nishino, Y., Shibata, A., Fujita, M., Soda, M., Naito, M., Ioka, A., Moore, M., & Ajiki, W., Proposal for a cooperative study on population-based cancer survival in selected registries in East Asia. *Asian Pacific Journal of Cancer Prevention*. 2009.

Name Alma Baguhin Mohagan

Sex Female

Organizational Affiliations

Faculty, Department of Biology, Central Mindanao University, University Town, Musuan, Bukidnon, Philippines

Fields of Specialization

Systematics (Taxonomy)

Entomology

Zoology

Biodiversity

Conservation Biology

Insect Ecology

Invertebrate Zoology

Insect Taxonomy

Insect Diversity

Insect Distribution

Butterflies

Vertebrate Fauna

Lectures, Conferences, Posters, Oral Presentations, or Papers Presented

- 2018 Tobias, A., Malabrigo, P.L., Jr., Umali, A.G.A., Eduarte, G., Mohagan, A.B., & Mendez, N. (2018 July 24- July 27). Additional records of *Hedychium philippinense* K.Schum. (Zingiberaceae) in northern Luzon and southern Mindanao, Philippines, 8th International Zingiberales Symposium, Botany Centre, Singapore Botanic Gardens, Singapore. (Poster Presentation)

Publications

- 2020 Mohagan, A.B., Patano, R.R., Jr., Dargantes, K.S.A.T., Melencion, M.G., Coritico, F.P., & Amoroso, V.B., New Record of *Talithybia depressa* (Araneae: Araneidae) from the Philippines. *Philippine Journal of Science*. 2020, 149(3):523-527.
- Mohagan, A.B., Patano, R.R., Jr., Leaño, E.P., Melencion, M.G., Coritico, F.P., & Amoroso, V.B., Morphology and Morphometrics of *Diotarus verrucifer* (Stål, 1877), a Pygmy Grasshopper Endemic to Mindanao. *Philippine Journal of Science*. 2020, 149(3):571-579.
- Mohagan, A.B., Leaño, E.P., Melencion, M.G., Patano, R.R., Jr., Hongco, A.L., & Amoroso, V.B., Yellow Striped Giraffehopper *Spartolus pugionatus* Stål, 1877 comb. resurr. (Tetrigidae: Ophiotettegini) inhabits Mindanao Island of the Philippines' archipelago. *Zootaxa*. 2020, 4722(6).
- 2019 Delima-Baron, E.M., Mohagan, A.B., Leaño, E.P., & Amoroso, V.B., *Philautus* (Bush Frogs) Species from Montane Forest of Marilog District, Davao City, Southern Mindanao, Philippines. *Environment and Natural Resources Journal*, 2019, 17(2):62-70.
- Schmidt, S.M., Buenavente, P.A.C., Blatchley, D.D., Diesmos, A.C., Diesmos, M.L., General, D.E.M., Mohagan, A.B., Mohagan, D.J., Clouse, R.M., & Sharma, P.P., A new species of Tithaeidae (Arachnida: Opiliones: Laniatores) from Mindanao reveals contemporaneous colonisation of the Philippines by Sunda Shelf opiliofauna. *Invertebrate Systematics*, 2019, 33(1):237-251.
- Mohagan, A.B., Nuñez, O.M., Alcalá, A.C., Escarlos, J.A., Jr., Garcia, A.G., Jr., Selva, E.C.T., Baguhin, L.J.B., Coritico, F.P., & Amoroso, V.B., Species richness and endemism of Reptilian Fauna in four Long-Term Ecological Research sites in Mindanao, Philippines. *Biodiversity Journal*, 2019, 10(3):237-248.
- Fabrigar, J.M., Mendez, N.P., Agas, G.B., Pomar, P.J.P., Lagara, S.H., & Mohagan, A.B., Describing the Body Shape of *Oreochromis niloticus* (Linnaeus, 1758) Populations in Bukidnon, Philippines Using Relative Warp Analysis. *Liceo Journal of Higher Education Research*, 2019, 14(2):doi:10.7828/ljher.v14i2.1268.

- Amoroso, V., Mohagan, A., Coritico, F., Laraga, S., Lagunday, N., Domingo, K.L., Colong, R., & Ponce, R., Status of Mammals in the Expansion Sites of the Mt. Hamiguitan Range Wildlife Sanctuary, Mindanao, Philippines. *Journal of Environmental Science and Management*, 2019, 22(2):6-12.
- Mohagan, A.B., Tubongbanua, R.M., Jr., Amper, D.O., Hongco, A.L., Coritico, F.P., Gorme, F.S., Jr., Amoroso, V.B., Colong, R.D., & Ponce, R.G., Species Composition, Endemism and Local Status of Hawkmoths (Heterocera: Sphingidae) in the two proposed expansion sites of Mt. Hamiguitan Range Wildlife Sanctuary, Davao Oriental, Philippines. *Biological Forum - An International Journal*, 2019, 11(1):236-240.
- 2018 Mohagan, A.B., Toledo-Bruno, A.G., Bonghanoy, A.M., & Balite, C.F.B., Bat diversity and local conservation initiatives in the Montane forest of MT. Kalatungan in Pangantucan, Bukidnon, Philippines. *Journal of Biodiversity and Environmental Sciences*, 2018, 13(5):57-70.
- Fabrigar, J.M., Mendez, N.P., Doblás, G.Z., & Mohagan, A.B., Landmark-based geometric morphometric analysis of forewing sexual dimorphism in *Mycalesis ita*. *Journal of Biodiversity and Environmental Sciences*. 2018, 13(2):18-29.s
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Name Juan Maria Pablo R. Nañagas

Sex Male

Organizational Affiliation

Medical and Research Director, Asian Eye Institute

Chairman, Structure, Organization, Monitoring and Evaluation Committee, Philippine National Health Research System

Education

Master in National Security Administration, National Defense College of the Philippines, 2002

Master of Science in Public Health, 2000

Residency Training, Ophthalmology, University of the Philippines - Philippine General Hospital

Doctor of Medicine, University of the Philippines, 1974

Bachelor of Arts in English Literature, 1968

Fields of Specialization

Social Policy

Public Policy Analysis

Health Care Management

Monitoring and Evaluation

Hospital Management

Hospitals

Hospital Charges

Experience

Medical and Research Director, Asian Eye Institute, Makati Philippines, 2010 March-Present

SOME Committee, PNHRs, Department of Science and Technology - Philippine Council for Health Research and Development, 2006-Present

Subject Matter Expert - Sight Preservation, Rotary Club of Ortigas Center, 2016 January

COP, IMPACT, 2012-2013

Hospital Management and M&E Expert, ADB TA 7257-PHI Public-Private Partnership in Health under contract with SMEC, 2011 January-2012 September

Hospital Management and Monitoring and Evaluation Consultant, SMEC, 2011-2012 February

Director, University of the Philippines - Philippine General Hospital, 2001 January-2003 December

Publications

- 2017 Nañagas, J.M.P.R., Manuel, P.D., Salen, A.O., Dilidili, A.L., Arimado, R.P., & Catacutan, M.A.T., A Study of Health Seeking Behaviour of the Poor in the National Household Tracking System. Asian Eye Institute, Research Department, 2015.
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Name Jenniffer Torralba Paguio

Sex Female

Organizational Affiliation

Assistant Professor, College of Nursing, University of the Philippines Manila, Philippines

Education

Doctor of Philosophy in Nursing, Nethersole School of Nursing, The Chinese University of Hong Kong, 2020

Master of Arts in Nursing, College of Nursing, University of the Philippines Manila, Philippines, 2014

Bachelor of Science in Nursing, College of Nursing, University of the Philippines Manila, Philippines, 2003

Fields of Specialization

Nursing

Nursing Education

Patient Safety

Patient Safety Culture

Medical Science Nursing

Clinical Nursing

Adulth Health

Experience

Assistant Professor, College of Nursing, University of the Philippines Manila, 2007 November-Present

Member, Technical Working Group for the National Policy on Patient Safety, Department of Health – Philippines, 2016 September-Present

Nurse II, Surgical Intensive Care Unit & General Female Surgery Ward, Philippine General Hospital, Manila, Philippines, 2004 March-2007 November

Lectures, Conferences, Posters, Oral Presentations, or Papers Presented

2019 September Doris, Y.S.F., & Paguio, J. (2019 September). Will a nurse-led teamwork enhancement and quality improvement program improve the nurse work environment in settings with heavy workload?, International Forum on Quality and Safety in Healthcare 2019. (Poster presentation)

2019 June Paguio, P. (2019 June). Diagnosing the nurse work environments in the Philippines: a countrywide study, International Council of Nurses 2019 International Conference, Marina bay sands, Singapore.

Publications

2020 Su, J.J., Doris, Y.S.F., & Paguio, J., Effect of eHealth cardiac rehabilitation on health outcomes of coronary heart disease patients: A systematic review and meta-analysis. *Journal of advanced nursing* 2020, 76(3):754-772.

Paguio, J.T., & Yu, D., A mixed methods study to evaluate the effects of a teamwork enhancement and quality improvement initiative on nurses' work environment. *Journal of advanced nursing*, 2020, 76(2):664-675.

Su, J.J., Masika, G.M., Paguio, J.T., & Redding, S.R., Defining compassionate nursing care. *Nursing ethics*, 2020, 27(2):480-493.

2019 Sana, E.A., Atienza, M.A., Salvacion, M.L.D., Peralta, A.B., Dones, L.B.P., Paguio, J.T., Pastor, C.D., & David-Padilla, C.M., Transformative Scale-Up of the School of Health Sciences, University of the Philippines Manila. *Philippine Journal of Health Research and Development*. 2019, 23(1):16-28.

2018 Paguio, J., & Banayat, A., Commentary on challenges to critical care nursing practice in the Philippines. *Connect*. 2018, 12(1):doi:10.1891/1748-6254.12.1.8.

- 2016 Dones, L.B.P., Paguio, J., Bonito, S., Balabagno, A.O., & Pagsibigan, J.S., Work environment of nurses in the Philippines: A preliminary study. *The Philippine Journal of Nursing*. 2016, 86(2):4-10.
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- 2015 Paguio, J., In-country capacity building on Patient Safety (WHO-CC for Leadership and Nursing Development, Philippines). *Nursing & Midwifery*. 2015.

Name Vachel Gay V. Paller

Sex Female

Organizational Affiliations

Professor, University of the Philippines Los Baños, Laguna, Philippines

Fields of Specialization

Parasitology

Zoology

Ecology

Public Health

Aquatic Ecosystems

Zoonoses

Lakes

Parasite Biology

Parasite Culture

Helminthology

Evolutionary Parasitology

Parasite Ecology

Host-Parasite Interactions

Fish Parasitology

Bioindicators

Food Parasitology

Experience

Faculty, Animal Biology Division, University of the Philippines Los Baños, College, Laguna, Philippines, 1991-Present

Lectures, Conferences, Posters, Oral Presentations, or Papers Presented

2014 Paller, V.G.V., Bandal, M.Z., Jr., de la Cruz, C.P.P. (2014 March 26-27). Parasitic Acanthocephala in
March Freshwater Fishes From the Seven Lakes of San Pablo, Philippines: a Prospective Heavy Metal Biosink
26-27 in Aquatic Ecosystem, 81st General Membership Assembly, National Research Council of the
Philippines.

Publications

- 2020 Besana, C.M., & Paller, V.G.V., Evaluation of Selected Slaughterhouses and Parasites of Slaughtered
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niloticus L.). *International Journal of Fisheries and Aquatic Studies*. 2019, 7(6):335-339.

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- Paller, V.G., Macaraig, J.R.M., Verona, R.T., & Leonardo, E., Cercarial Fauna of Freshwater Snails in Selected Agricultural Areas in Laguna, Philippines. *Helminthologia*. 2018, 56(1):81-86.
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- 2018 Castillo, D.S.C., & Paller, V.G.V. Occurrence of *Angiostrongylus cantonensis* in rodents from the rice granary of the Philippines and associated risk factors for zoonotic transmission. *Journal of Parasitic Diseases*. 2018, 42:350-356.
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- Andes, A., & Paller, V.G., Effect of various composting methods on the concentration and viability of ascaris suum eggs in organic fertilisers. *Pertanika Journal of Tropical Agricultural Science*. 2018, 41(2):687-698.
- 2017 Paller, V.G.V., Besana, C.M. & Valdez, I.K.M., Dot enzyme-linked immunosorbent assay (ELISA) for the detection of *Toxocara* infection using a rat model. *Journal of Parasitic Diseases*. 2017, 41:933-939.
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- 2016 Paller, V.G.V., Resurreccion, D.J.B., de la Cruz, C.P.P., & Bandal, M.Z., Acanthocephalan Parasites (*Acanthogyryus* sp.) of Nile Tilapia (*Oreochromis niloticus*) as Biosink of Lead (Pb) Contamination in a Philippine Freshwater Lake. *Bulletin of Environmental Contamination and Toxicology*, 2016, 96(6):810-815.
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- 2015 Corpuz, M.N.C., Paller, V.G.V., & Ocampo, P.P., Ichthyofaunal Survey in Selected Freshwater Habitats in Camarines Sur, Philippines. *Asian Journal of Biodiversity*. 2015, 6(1).
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- Paller, V.G.V., Corpuz, M.N.C., & Ocampo, P.P., Diversity and distribution of freshwater fish assemblages in Tayabas river, Quezon (Philippines). *Philippine Journal of Science*. 2013, 142(1):55-67.
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- 2001 Belizario, V.Y., Bersabe, M.J., de Leon, W.U., Hilomen, V.Y., Paller, V.G., de Guzman, A.D., Jr., & Bugayon, M.G., *The Southeast Asian Journal of Tropical Medicine and Public Health*. 2001, 32(Suppl 2):36-42.

Name Paul Matthew D. Pasco

Sex Male

Organizational Affiliations

Professor, Neurosciences, University of the Philippines, Manila, Philippines

Consultant, Division of Adult Neurology, University of the Philippines – Philippine General Hospital, Manila

Doctor, QualiMed Surgery Center, Manila

Education

Masters in Clinical Epidemiology, College of Medicine, University of The Philippines Manila

Fields of Specialization

Neurology

Public Health

Medical Technology

Neurological Diseases

Dystonia

Telehealth

Experience

Neurogenetics, La Salpetriere Hospital, Paris, France

Translational Research, Children's National Research, Children's National Medical Center, Washington DC

Lectures, Conferences, Posters, Oral Presentations, or Papers Presented

2019 April Espiritu, A.I., & Pasco, P.M.D. (2019 April). The Efficacy and Tolerability of Azathioprine for Patients with Neuromyelitis Optica Spectrum Disorder: A Systematic Review, 71st American Academy of Neurology Annual Meeting, 2019.

2019 August Fernandez, M.L.L., Fabiana, N.L., Pasco, P.M.D., & Casanova-Gutierrez, J. (2019 August). Clinical Profiles, Prognosis, and Management Outcomes of Patients With Status Epilepticus (SE) and Predictive Factors for Refractory Convulsive Se: a 7-year Retrospective Study, 29th International Epilepsy Congress, 2019.

Publications

2019 Espiritu, A.I., & Pasco, P.M.D., Efficacy and tolerability of azathioprine for neuromyelitis optica spectrum disorder: A systematic review and meta-analysis. *Multiple Sclerosis and Related Disorders*. 2019, 33:22-32.

de Castillo, L., Diestro, J., Ignacio, K., & Pasco, P., A rare mimic of acute stroke: rapidly progressing Miller-Fisher Syndrome to acute motor and sensory axonal neuropathy variant of Guillain-Barre Syndrome. *BMJ case reports*. 2019, 12(3):e228220.

2019 Enriquez, C., Espiritu, A.I., & Pasco, P., Efficacy and tolerability of mitoxantrone for neuromyelitis optica spectrum disorder: A systematic review. *Journal of neuroimmunology*. 2019, 332:126-134.

Espiritu, A.I., & Pasco, P.M., The Efficacy and Tolerability of Azathioprine for Patients with Neuromyelitis Optica Spectrum Disorder: A Systematic Review (P1.2-005). *Neurology*. 2019, 92(Suppl 15).

2018 Diestro, J., Ang, M., Mondia, M., & Pasco, P., Corrigendum: Validation of a Questionnaire for Distinguishing X-Linked Dystonia Parkinsonism From Its Mimics. *Frontiers in neurology*. 2018, 9:991.

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Jamora, R.D.G., Teleg, R.A., Cordero, C.P., Villareal-Jordan, R.F., Lee, L.V., & Pasco, P.M.D.,

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- Diestro, J.D.B., Ang, M.A.C., Mondia, M.W.L., & Pasco, P.M.D., Corrigendum: Validation of a Questionnaire for Distinguishing X-Linked Dystonia Parkinsonism From Its Mimics. *Frontiers in Neurology*. 2018.
- 2017 Pasco, P., Jamora, R., Rosales, R.L., Diesta, C., Ng, A.R., Teleg, R.A., Go, C.L., Lee, L., & Fernandez, H.H., Validation of the XDP-MDSP rating scale for the evaluation of patients with X-linked dystonia-parkinsonism. *NPJ Parkinson's disease*. 2017, 3:24.
- Espiritu, A.I., Bico, J.D.P., Del Mundo, H.C., & Pasco, P.M.D., The Effectiveness and Tolerability of Oral Acetaminophen/Aspirin/Caffeine (AAC) Combination Regimen as an Acute Treatment for Migraine in Adults: A Meta-Analysis of Randomized Trials. *Acta medica Philippina*. 2017, 51(2):1-7.
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- 2016 Umali, M.J.P.S., Evangelista-Sanchez, A.M.A., Lu, J.L., Ongkeko, A.M., Jr., Sylim, P.G., Santos, A.D.F., Fabia, J.G., Fernandez-Marcelo, P.H., & Pasco, P.M.D., Elaborating and discoursing the ethics in ehealth in the philippines: Recommendations for health care practice and research. 2016, 50(4):215-222.
- 2015 Barcelon, E.A., Shu, L.L.S., & Pasco, P.M.D., Meta-analysis: Donepezil in the treatment of cognitive impairment & dementia in patients with Parkinson's disease. *Acta medica Philippina*. 2015, 49(1):42-47.
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- 2014 Custodio, R.G., Fernandez-Marcelo, P., Magtubo, K.M.P., Gavino, A., Gonzales, L., Gonzales, A., Pajarillaga, E., Santos, A.F., Evangelista-Sanchez, A.M., Fabia, J., Mina, J., Igna, H.J., Fernandez, R.J., & Pasco, P.M., Adoption of a Telemedicine device by Philippine Primary Care Health Workers. *RxBox2: Integration of Medical Devices into the National Telehealth Service Program*. 2014.
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- 2013 Kawarai, T., Pasco, P.M., Teleg, R.A., Kamada, M., Sakai, W., Shimozone, K., Mizuguchi, M., Tabuena, D., Orlacchio, A., Izumi, Y., Goto, S., Lee, L.V., & Kaji, R., Application of long-range polymerase chain reaction in the diagnosis of X-linked dystonia-parkinsonism. *Neurogenetics*. 2013, 14(2):167-169.
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- 2012 Pasco P.M., Diagnostic features of tuberculous meningitis: a cross-sectional study. *BMC research notes*. 2012, 5:49.
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- 2002 Evidente, V.G., Advincula, J., Esteban, R., Pasco, P., Alfon, J.A., Natividad, F.F., Cuanang, J., Luis, A. S., Gwinn-Hardy, K., Hardy, J., Hernandez, D., & Singleton, A., Phenomenology of "Lubag" or X-linked dystonia-parkinsonism. *Movement disorders : official journal of the Movement Disorder Society*. 2002, 17(6):1271-1277.

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Organizational Affiliation

University of the Philippines Los Baños, Laguna, Philippines

Fields of Specialization

Silviculture and Forest Influences

Forest Products Engineering

Environmental Science

Forestry

Environment

Natural Resource Management

Biodiversity

Lectures, Conferences, Posters, Oral Presentations, or Papers Presented

- 2013 September Garcia, K., Lasco, R.D., Pulhin, F., Ines, A.V.M., Lyon, B., Alcantara, A., & Combalicer, E. (2013 September). Sensitivity of Philippines' Forest Tree Species to Climate Change: Policy Implications and Future Directions, International Symposium on Tropical Forest Ecosystem Science and Management, Universiti Putra Malaysia Bintulu Sarwak Campus, Malaysia. 2013.

Publications

- 2019 Ramirez, M.A.M., Pulhin, J.M., Garcia, J.E., Tapia, M.A., Pulhin, F.B., Cruz, R.V.O., De Luna, C.C., & Inoue, M., Landscape Fragmentation, Ecosystem Services, and Local Knowledge in the Baroro River Watershed, Northern Philippines. *Resources*, 2019, 8(4):164.
- 2018 Tapia, M.A., Pulhin, J.M., Nelson, G.L.M., Predo, C.D., Peria, A.S., Peras, R.J.J., Lasco, R.D., Pulhin, F.B., & Evangelista, R.J.P., Involvement of Women in Farm Decision-making and Adaptive Capacity to Extreme Events of Farming Households in Ligao City, Albay, Philippines. *Journal of Environmental Science and Management*, 2018, 21(2):70-81.
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- 2017 Pulhin, J.M., Gevaña, D.T., & Pulhin, F.B., Community-Based Mangrove Management in the Philippines: Experience and Challenges in the Context of Changing Climate (pp. 247-262). 2017.
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- 2014 Pulhin, F.B., Lasco, R.D., & Urquiola, J.P., Carbon Sequestration Potential of Oil Palm in Ecosystems and Development Journal. 2014, 4(2):14-19.
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- 2012 Lasco, R.D., Cruz, R.V.O., Pulhin, J.M., & Pulhin, F.B., Assessing climate change impacts, vulnerability and adaptation: The case of pantabangan-carranglan watershed. *Assessing Climate Change Impacts, Vulnerability and Adaptation: The Case of Pantabangan-Carranglan Watershed* (pp. 1–167). Nova Science Publishers, Inc. 2012.
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- Lasco, A. R. D., Pulhin, F. B., Jaranilla-sanchez, P. A., Garcia, K., & Gerpacio, R., Mainstreaming Climate Change Adaptation in the Philippines. *Assessment*. 2010, 5362701–5362701.
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- 2009 Lasco, R.D., Pulhin, F.B., Jaranilla-Sanchez, P.A., Delfino, R.J.P., Gerpacio, R., & Garcia, K., Mainstreaming adaptation in developing countries: The case of the Philippines. *Climate and Development*. 2009, 1(2):130–146.
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- 2006 Lasco, R.D., MacDicken, K.G., Pulhin, F.B., Guillermo, I.Q., Sales, R.F., & Cruz, R.V.O., Carbon stocks assessment of a selectively logged dipterocarp forest and wood processing mill in the Philippines. *Journal of Tropical Forest Science*. 2006, 18(4):212–221.
- 2004 Lasco, R.D., Guillermo, I.Q., Cruz, R.V.O., Bantayan, N.C., & Pulhin, F.B., Carbon stocks assessment of a secondary forest in Mount Makiling Forest Reserve, Philippines. *Journal of Tropical Forest Science*. 2004, 16(1):35–45.
- 2003 Cruz, R.V.O., Cuevas, M.M.A., Saplaco, S.R., Lasco, R.D., Pulhin, F.B., & Cruz, N.A., Assessment of the hydrological impacts of El Niño and La Niña on selected watersheds in the Philippines. *Philippine Agricultural Scientist*. 2003, 86(2):158–171.
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Carbon mitigation potential and costs of forestry options in Brazil, China, India, Indonesia, Mexico, the Philippines and Tanzania. *Mitigation and Adaptation Strategies for Global Change*.

Lasco, R.D., Sales, R.F., Estrella, R., Saplaco, S.R., Castillo, A.S.A., Cruz, R.V.O., & Pulhin, F.B., Carbon stock assessment of two agroforestry systems in a tropical forest reserve in the Philippines. *Philippine Agricultural Scientist*. 2001, 84(4):401-407.

Lasco, R.D., & Pulhin, F B., Climate change mitigation activities in the Philippine forestry sector: Application of the comap model. *Mitigation and Adaptation Strategies for Global Change*.

2000 Lasco, R.D., & Pulhin, F.B., Forest land use change in the Philippines and climate change mitigation. *Mitigation and Adaptation Strategies for Global Change*. 2000, 5(1):81-97.

Name George R. Puno

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Organizational Affiliations

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Fields of Specialization

Forestry

Watershed Management

Environmental Modeling

GIS

Geomorphology

Forest Management

Hydrology

Climate Change

Natural Resource Management

Researches

Ongoing

Geo-SAFER Mindanao (Geo-information for a Systematic Assessment of Flood Effect and Risks for a Resilient Mindanao: Northern Mindanao/Cotabato)

Publications

- 2019 Oganian, J.L., Puno, G.R., Alivio, M.B.T., & Taylaran, J.M.G., Effect of digital elevation model's resolution in producing flood hazard maps. *Global Journal of Environmental Science and Management*, 2019, 5(1):95-106.
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- Puno, G.R., Amper, R.A.L., Opiso, E.M., & Cipriano, J.A.B., Mapping and analysis of flood scenarios using numerical models and GIS techniques. *Spatial Information Research*, 2019:doi:10.1007/s41324-019-00280-2.
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- Puno, G.R., & Puno, R.C.C., Watershed conservation prioritization using geomorphometric and land use-land cover parameters. *Global Journal of Environmental Science and Management*, 2019, 5(3):279-294.
- 2018 Dumago, S.W.L., Puno, G.R., & Ingotan, S.S., Water quality assessment in various land use and land cover of Muleta Watershed Bukidnon, Philippines. *Journal of Biodiversity and Environmental Sciences*, 2018, 12(3):201-209.
- Azuelo, A.G., & Puno, G.R., Moss and lichen diversity in Mt. Kalatungan Range Natural Park, Bukidnon, Philippines. *International Journal of Biosciences*, 2018, 12(3):248-258.
- Puno, G.R., Amper, R.A.L., & Talisay, B.A.M., Flood simulation using geospatial and hydrologic models in Manupali Watershed, Bukidnon, Philippines. *Journal of Biodiversity and*

- Environmental Sciences, 2018, 12(3):294-303.
- Janiola, M.D.C., & Puno, G.R., Land use and land cover (LULC) change detection using multi-temporal landsat imagery: A case study in Allah Valley Landscape in Southern, Philippines. *Journal of Biodiversity and Environmental Sciences*, 2018, 12(2):98-108.
- 2017 Toledo-Bruno, A.G., Marin, R.A., Medina, M.A.P., Puno, G.R., Villarta, R.O., & Puno, R.R., Ecology of litterfall production of giant bamboo *Dendrocalamus asper* in a watershed area. *Global Journal of Environmental Science and Management*, 2017, 3(4):363-372.
- Puno, G.R., & Marin, R.A., Soil erosion analysis in bamboo-planted sites using paired catchment approach. *Journal of Biodiversity and Environmental Sciences*, 2017, 11(5):415-422.
- 2016 Opiso, E.M., Puno, G.R., Alburo, J.L.P., & Detalla, A.L., Landslide susceptibility mapping using GIS and FR method along the Cagayan de Oro-Bukidnon-Davao City route corridor, Philippines. *KSCE Journal of Civil Engineering*, 2016, 20:2506-2512.
- Puno, G.R., & Amper, R.A.L., Flood modeling of Musimusi river in Balingasag, Misamis Oriental. *CMU Journal of Science*, 2016, 20(3):150-165.
- Puno, G.R., Talisay, B.A.M., & Paquit, J.C., GIS-based flood hazard mapping in Gingoog river, Mindanao. *CMU Journal of Science*, 2016, 20(3):81-96.
- 2015 Puno, G.R., Villar, R.G., Toledo-Bruno, A.G.I., & Corpuz, O.S., GIS-based mapping and morphometric analysis of flood prone sites in the three watersheds of Bukidnon. *International Journal of Biotechnology and Allied Fields*, 2015, 3(7):121-129.
- Opiso, E.M., Puno, G.R., Quimpang, V.T., Amper, R.A.L., Cipriano, J.A.B., Labadan, A.J., Bonghanoy, A.O., & Ledres, M.L.C., Rapid assessment of flood-prone areas of selected critical rivers in Mindanao, Philippines: an initial step of MinDANOW. In: Dávid, A., Dávid, A., & Kardon, B., (Eds.), *Excellent Science in ASEAN*, 2015:59-70.
- Opiso, E.M., Puno, G.R., Alburo, J.L.P., & Detalla, A.L., Influence of Soil Physical Properties on Rainfall Induced Landslide Susceptible Areas along Cagayan de Oro-Bukidnon-Davao City Route Corridor, Philippines. *Liceo Journal of Higher Education Research*, 2015, 11(1):319-332.
- 2014 Puno, G.R., Runoff and sediment yield modeling using GeoWEPP in Mapawa Catchment. *CMU Journal of Science*, 2014, 18:49-70.
- 2013 Olpenda, A.S., Tulod, A.M., Puno, G.R., & Villarta, R.O., Tree species diversity assessment and spatial analysis in a permanent monitoring plots of natural forest in Musuan, Bukidnon. *Proceedings of the 2nd Philippine Geomatics Symposium (PhilGEOS) 2013: Geomatics for a Resilient Agriculture and Forestry*, University of the Philippines, Diliman, Quezon City, 2013:28-29.

Name Raymund R. Razonable

Sex Male

Organizational Affiliations

Infectious Disease Specialist, Mayo Clinic, Rochester, MN, USA

Education

Postdoctoral Research Fellowship, Lily Research Laboratories, Eli Lilly and Company, USA, 2004

Fellow - Infectious Diseases, Mayo Graduate School of Medicine, Mayo Clinic College of Medicine, USA, 2002

Chief Resident - Internal Medicine, Beth Israel Medical Center, Albert Einstein College of Medicine, Israel, 1999

Resident - Internal Medicine, Beth Israel Medical Center, Albert Einstein College of Medicine, Israel, 1998

Internship - Internal Medicine, Beth Israel Medical Center, Albert Einstein College of Medicine, Israel, 1996

Rotating Internship, Metropolitan Hospital, Philippines, 1993

Doctor of Medicine, Institute of Medicine, Far Eastern University, Philippines, 1992

Bachelor of Science in Medical Technology (*cum laude*), School of Medical Technology, Far Eastern University, 1988

Fields of Specialization

General Infectious Diseases

Internal Medicine

Transplant

Immunology

Epidemiology

Public Health

Association or Professional Memberships

Member of Program Committee, American Transplant Congress, 2020-2021

Lead, COVID-19 Treatment Guidance Task Force, 2020-Present

Member, COVID-19 Research Task Force, 2020-Present

Member, Ask Mayo Expert, 2020-Present

Chair, Planning Committee, American Transplant Congress, 2020-Present

Program Directors Committee, Infectious Diseases Society of America, 2019-Present

Ad Hoc Member, Organ Procurement and Transplantation Network/United Network of Organ Sharing, 2019-2022

Member, Mayo Clinic Health System, 2019-2021

Lead, American Society of Transplantation, 2019

Abstract Reviewer, American Society of Transplantation, 2018

Abstract Reviewer, American Society of Transplantation, 2017-Present

Fellowship Program Director, Department of Internal Medicine, 2017-Present

Abstract Reviewer, European Society of Clinical Microbiology and Infectious Diseases, 2017

Abstract Reviewer, American Society for Microbiology, 2017-Present

Abstract Reviewer, European Society of Clinical Microbiology and Infectious Diseases, 2017-2018

Advisory Board Member, Merck, 2017

Abstract Reviewer, International Congress of the Transplantation Society, 2016

Member, IDWeek Program Committee, Infectious Diseases Society of America, 2016-2018

Chair, Faculty Search Committee, Division of Infectious Diseases, Department of Internal Medicine, 2016-2017

Advisory Board Member, Helocyte, 2016

Member, International HHV6 and HHV7 Conference, Organizing Committee, 2015

Organizing Member, ID Fellows Forum, Infectious Disease Fellowship Program, Division of Infectious Diseases, 2015

Abstract Reviewer, European Society of Clinical Microbiology and Infectious Diseases, 2015-2016

Fellow, American Society of Transplantation, 2015-Present

Representative, IDSA Representative, Infectious Diseases Society of America, 2015-2016

Abstract Reviewer, Human Herpesvirus 6 Conference, 2015

Panel Member, International HHV6 and HHV7 Conference, Abstract Review Panel, 2015

Abstract Reviewer, World Transplant Congress, 2014

Abstract Reviewer, American Transplant Congress, 2014-2017

Abstract Reviewer, Infectious Diseases Society of America, 2014-2018

Chair, Astellas Adjudication Committee, 2014-2016

Member, Novartis Data Safety Monitoring Board, 2014-Present

Advisory Board Member, Roche Diagnostics, 2013

Chair, Faculty Search Committee, Division of Infectious Diseases, Department of Internal Medicine, 2013-2014

Panel Member, International HHV6 and HHV7 Conference, Abstract Review Panel, 2013

Advisory Board Member, Astellas, 2012-2013

Fellow, Infectious Diseases Society of America, 2011-Present

Co-Director, Partnerships for Publication, Department of Internal Medicine, 2011

Associate Program Director, Infectious Disease Fellowship Program, Division of Infectious Diseases, Department of Internal Medicine, 2011-2017

Member, Advisory Panel, Write Up and Publish Program (WRAP) for Associate Professors and Professors, Department of Internal Medicine, 2011-2017

Member, Internal Medicine Hospital Practice Committee, Department of Internal Medicine, 2011-2017

Member, HHV-6 Foundation Advisory Board, 2011-Present

Director, Transplantation Infectious Diseases, Division of Infectious Diseases, Department of Internal Medicine, 2010-2019

Member, Transplant Center Education Committee, 2010-2019

Associate Chair, Faculty Development and Diversity, Division of Infectious Diseases, Department of Internal Medicine, 2010-2017

Councilor, American Society of Transplantation, Infectious Community of Practice Executive Committee, 2010-2012

Faculty Chair, Executive Committee, Division of Infectious Diseases, Department of Internal Medicine, 2010-Present

Member, Faculty Development Committee, Department of Internal Medicine, 2009-2017

Member, Transplant Infectious Diseases Fellows Forum Steering Committee, 2009

Fellowship Program Director, Department of Internal Medicine, 2009-2019

Faculty, Transplant Infectious Diseases Fellows Forum Steering Committee, 2009

Chairperson, CMV in Solid Organ Transplantation: Optimizing Strategies for Disease Prevention, Robert Michael Educational Institute LLC and Postgraduate Institute for Medicine, 2009

Chair, CMV in Solid Organ Tx, Robert Michael Educational Institute LLC and Postgraduate Institute for Medicine, 2009

Fellowship Program Director

Division of Infectious Diseases, Department of Internal Medicine, 2009-2019

Advisory Board Member, CMX001 Clinical Advisory Board, 2009-2011

Member, CMV and Solid Organ Transplantation Consensus Group, The Transplantation Society, 2008

Member, Faculty Search Committee, Division of Infectious Diseases, Department of Internal Medicine, 2008

Advisory Board Member, Roche Diagnostics, 2008

Faculty, CMX001 Clinical Advisory Board, 2008

Abstract Reviewer, American Transplant Congress, 2008

Member, Advisory Panel, Write Up and Publish Program (WRAP) for Instructors and Assistant Professors, Department of Internal Medicine, 2008-2011

Member, ID Laboratory Standardization Workgroup, American Society of Transplantation, 2008

Member, Fellow Selection Committee, Infectious Diseases Fellowship Program, Division of Infectious Diseases, 2008-Present

Member, The Transplantation Society, 2008-Present

Faculty, Cubist Outpatient Antimicrobial Therapy, 2007

Member, Data Safety Review Board, Roche Pharmaceuticals, 2007

Director, Infection and Immunity Research Club, Education Committee, Division of Infectious Diseases, 2006-2014

Faculty, Liver Transplant Advisory Board, 2006

Faculty, Translational Program in Immunovirology and Biodefense, NIH Center of Excellence, 2006-2014

Member, Data Safety Review Board, ToleRx and Watermark Research Partners, 2006-2011

Member, Transplantation Biology Unit Research Program, NIH Center of Excellence, 2006-2008

Member, SynerMed Communications, Dannemiller Memorial Educational Foundation, and Roche Laboratories, Inc. Steering Committee on the Risk Factors for Cytomegalovirus in Solid Organ Transplantation, 2005

Editorial Board Member, SynerMed Communications, Dannemiller Memorial Educational Foundation, and Roche Laboratories, Inc. Steering Committee on the Risk Factors for Cytomegalovirus in Solid Organ Transplantation, 2005

Member, Research Committee, Division of Infectious Diseases, Department of Internal Medicine, 2005-Present

Member, Education Committee, Division of Infectious Diseases, Department of Internal Medicine, 2005-Present

Member, Transplantation Infectious Diseases, Division of Infectious Diseases, Department of Internal Medicine, 2005-Present

Member, Clinical Practice Committee, Division of Infectious Diseases, Department of Internal Medicine, 2005-Present

Member, Fellow Selection Committee, 2005-Present

Member, Orthopedic Infectious Diseases Focus Group, Division of Infectious Diseases, Department of Internal Medicine, 2005-Present

Member, Division of Infectious Diseases, Department of Internal Medicine, 2005-Present

Member, AST Infectious Disease Community, American Society of Transplantation, 2005-Present

Grant Application Reviewer, The Physicians' Services Incorporated Foundation, 2004

Abstract Reviewer, XX International Congress of the Transplantation Society, 2004

Member, American Society of Transplantation, 2004-Present

Member, FEU NRMF Medicine Updates in Medicine and Surgery Continuing Medical Education Committee, 2003-2017

Member

Hepatitis Auxiliary Group, Lilly Research Laboratories, Eli Lilly and Company, 2003-2004

Member, Hoffman La-Roche (Basel, Switzerland) and Adis International Limited (United Kingdom), Valcyte Advisory Board, 2003

Member, Clinical Action Team, Viral Hepatitis Trial, Lilly Research Laboratories, Eli Lilly and Company, 2003-2004

Leader, Hepatitis Auxiliary Group, Lilly Research Laboratories, Eli Lilly and Company, 2003

Member, Mayo Clinic Alumni Association, Mayo Clinic College of Medicine and Science, Department of Education Administration, 2002-Present

Abstract Reviewer, Infectious Diseases Society of America, 2002-Present

Member, International Immunocompromised Host Society, 2002-Present

Member, American Society for Microbiology, 2002-Present

Fellow Representative, Infection Control Committee, Mayo Clinic Rochester Committees, 2001

Fellow Representative, Research Committee, Division of Infectious Diseases, Department of Internal Medicine, 2000-2001

Fellow Representative, Clinical Practice Committee, Division of Infectious Diseases, Department of Internal Medicine, 2000-2001

Member, Infectious Diseases Society of America, 1999-Present

Member, Minnesota Medical Association, 1999-Present

Member, American Medical Association, 1995

Member, Philippine Association of Winthrop Scholars and Fellows, 1992

Honors / Awards

Department of Medicine Practice Awards, Department of Medicine Laureate Award, Mayo Clinic
Department of Medicine, 2019

Distinguished Mayo Clinician Award, Mayo Clinic, 2018

11th Jesus B Nolasco Memorial Lecture, Dr. Nicanor Reyes School of Medicine, Far Eastern University,
2017

Far Eastern University Nicanor Reyes Medical Foundation Most Outstanding Alumnus of the Year, Far
Eastern University Nicanor Reyes Medical Foundation, 2017

Cierny Memorial Award, Musculoskeletal Infection Society, 2015

Fellow, American Society of Transplantation, 2015

37th Annual Dean Lauro H. Panganiban Lecturer, 40th Annual Homecoming, FEU-NRMF, 2015

Fellow, Infectious Disease Society of America, 2011

2011 Associate Program Director, Infectious Disease Fellowship Program, Division of Infectious
Diseases/Microbiology, Department of Internal Medicine, 2011

Clinical Infectious Diseases Award for Outstanding Review, Clinical Infectious Diseases, 2010

14th Annual Dr. Nicanor Reyes Memorial Lecturer, 37th Annual Reunion and Seminar, Dr. Nicanor
Reyes School of Medicine, Far Eastern University, 2010

ICAAC/IDSA Joint Program Committee Award for Immunology of Infection, Joint Meeting of the
American Society for Microbiology (Interscience on Antimicrobial Agents and Chemotherapy) and
Infectious Disease Society of America, Washington, DC, 2008

Director of the Infection and Immunity Research Club, Division of Infectious Diseases, Department of
Internal Medicine, 2005

ICAAC Program Committee Award in the Pathogenesis of Microbial Diseases, 44th Interscience
Conference on Antimicrobial Agents and Chemotherapy. American Society for Microbiology.
Washington DC, 2004

ASM Infectious Disease Fellow, 42nd Interscience Conference on Antimicrobial Agents and
Chemotherapy. American Society for Microbiology. San Diego, CA, 2002

Mayo Foundation Scholar, Division of Infectious Diseases, Department of Internal Medicine, 2002

Summerskill Award Nominee for outstanding achievement in research by a trainee in a subspecialty
clinical program, Department of Internal Medicine, Mayo Graduate School of Medicine, Mayo Clinic
College of Medicine and Science

Internal Medicine Awards, Geraci Award for Outstanding Achievement in Infectious Diseases, Mayo
Graduate School of Medicine, Mayo Clinic College of Medicine and Science, Department of Education
Administration, 2002

Special Citation for the caliber of abstract presentations. The 39th Annual Meeting of the Infectious
Disease Society of America. San Francisco, CA, 2001

Best Scientific Poster Award, 2001 Annual Meeting of the Northcentral Chapter of the Infectious Disease
Society of America (NCCIDSA). Minneapolis, MN, 2001

Alexander Award for the Most Outstanding Medical Resident, Beth Israel Medical Center, Albert

Einstein College of Medicine, 1999

Chief Resident in Medicine, Beth Israel Medical Center, Albert Einstein College of Medicine, 1998

Awarded Chief Resident in Medicine, Beth Israel Medical Center, 1998

Medical Board Topnotcher. Garnered highest score (91.17%) among 1930 physicians, Philippine Medical Licensure Examinations, Manila, Philippines, 1993

Most Outstanding Intern, Metropolitan Hospital, Manila, Philippines, 1992

Most Outstanding Medical Graduate, Far Eastern University, 1992

Rolando Solis Award for Excellence in Cardiology, Institute of Medicine, Far Eastern University, 1992

Ranked first among 232 medical graduates (Valedictorian), Institute of Medicine, Far Eastern University, 1992

Lucila Fernando Relucio Award for Academic Excellence during the first 3 years of medical school, Institute of Medicine, Far Eastern University, 1991

Dalmacio and Eusebia de Roca Award for Excellence in Pediatrics, Far Eastern University, 1991

Winthrop Scholar in Medicine, Manila, Philippines, 1991

Elected as Auditor, Medical Student Council, Far Eastern University - Institute of Medicine, 1991

Cesar V Nolasco Award for Excellence in Pharmacology, Far Eastern University, 1990

Special Citations for academic excellence in the fields of Histology, Pathology, Laboratory Diagnosis, Microbiology, Parasitology, Surgery and Neurology, Far Eastern University, 1989

Rodolfo Madlang Award for Excellence in Physiology, Far Eastern University, 1989

Edwin Nolasco Award for Excellence in Gross Anatomy, Far Eastern University, 1989

Edgar A Borda Award for Excellence in Biochemistry, Far Eastern University, 1989

Dean's List, Far Eastern University, 1988

Academic Scholar, Far Eastern University, 1988

Most Proficient Intern in Medical Technology, East Avenue Medical Center, Quezon City, Philippines, 1987

Special Citations for Academic Excellence in Histology and Anatomy, Far Eastern University, 1987

Academic Scholarship, Far Eastern University, 1984

Publications (Recent)

- 2020 Razonable, R.R., Pennington, K.M., Meehan, A.M., Wilson, J.W., Froemming, A.T., Bennett, C.E., Marshall, A.L., Virk, A., & Carmona, E.M., A Collaborative Multidisciplinary Approach to the Management of Coronavirus Disease 2019 in the Hospital Setting. *Mayo Clinic proceedings*. 2020, 95(7):1467-1481.
- Vijayvargiya, P., Esquer Garrigos, Z., Castillo Almeida, N.E., Gurram, P.R., Stevens, R.W., & Razonable, R.R., Treatment Considerations for COVID-19: A Critical Review of the Evidence (or Lack Thereof). *Mayo Clinic proceedings*. 2020, 95(7):1454-1466.
- Melia, M.T., Paez, A., Reid, G., Chirch, L.M., Luther, V.P., Blackburn, B.G., Perez, F., Abdoler, E., Kaul, D.R., Rehm, S., Harik, N., Barsoumian, A., Person, A.K., Yun, H., Beckham, J.D., Boruchoff, S., Cariello, P.F., Cutrell, J.B., Graber, C.J., Lee, D.H., ... Blumberg, E. A., The Struggling Infectious Diseases Fellow: Remediation Challenges and Opportunities. *Open forum infectious diseases*. 2020, 7(3):ofaa058.
- Abad, C.L., & Razonable, R.R., Prevention and treatment of tuberculosis in solid organ transplant recipients. *Expert review of anti-infective therapy*. 2020, 18(1):63-73.
- 2019 El Helou, G., & Razonable, R.R., Safety considerations with current and emerging antiviral therapies for cytomegalovirus infection in transplantation. *Expert opinion on drug safety*. 2019, 18(11):1017-1030.
- Razonable, R.R., & Humar, A., Cytomegalovirus in solid organ transplant recipients-Guidelines of the

- American Society of Transplantation Infectious Diseases Community of Practice. Clinical transplantation. 2019, 33(9):e13512.
- Ritchie, B.M., Barreto, J.N., Barreto, E.F., Crow, S.A., Dierkhising, R.A., Jannetto, P.J., Tosh, P.K., & Razonable, R.R., Relationship of Ganciclovir Therapeutic Drug Monitoring with Clinical Efficacy and Patient Safety. *Antimicrobial agents and chemotherapy*. 2019, 63(3):e01855-18.
- Abad, C., & Razonable, R.R., An update on Mycobacterium tuberculosis infection after hematopoietic stem cell transplantation in adults. *Clinical transplantation*. 2018, 32(12):e13430.
- Razonable, R.R., Amer, H., & Mardini, S., Application of a New Paradigm for Cytomegalovirus Disease Prevention in Mayo Clinic's First Face Transplant. *Mayo Clinic proceedings*. 2019, 94(1):166-170.
- Pennington, K.M., Razonable, R.R., Peters, S., Scott, J.P., Wylam, M., Daly, R.C., & Kennedy, C.C., Why do lung transplant patients discontinue triazole prophylaxis?. *Transplant infectious disease : an official journal of the Transplantation Society*. 2019, 21(3):e13067.
- El Helou, G., & Razonable, R.R., Letermovir for the prevention of cytomegalovirus infection and disease in transplant recipients: an evidence-based review. *Infection and drug resistance*. 2019, 12:1481-1491.
- Meesing, A., Abraham, R.S., & Razonable, R.R., Clinical Correlation of Cytomegalovirus Infection With CMV-specific CD8+ T-cell Immune Competence Score and Lymphocyte Subsets in Solid Organ Transplant Recipients. *Transplantation*. 2019, 103(4):832-838.
- Chemaly, R.F., Chou, S., Einsele, H., Griffiths, P., Avery, R., Razonable, R.R., Mullane, K.M., Kotton, C., Lundgren, J., Komatsu, T.E., Lischka, P., Josephson, F., Douglas, C.M., Umeh, O., Miller, V., Ljungman, P., & Resistant Definitions Working Group of the Cytomegalovirus Drug Development Forum, Definitions of Resistant and Refractory Cytomegalovirus Infection and Disease in Transplant Recipients for Use in Clinical Trials. *Clinical infectious diseases : an official publication of the Infectious Diseases Society of America*. 2019, 68(8):1420-1426.
- Valencia, J., Abdel, M.P., Virk, A., Osmon, D.R., & Razonable, R.R., Destination Joint Spacers, Reinfection, and Antimicrobial Suppression. *Clinical infectious diseases : an official publication of the Infectious Diseases Society of America*. 2019, 69(6):1056-1059.
- Abad, C., Deziel, P.J., & Razonable, R.R., Treatment of latent TB Infection and the risk of tuberculosis after solid organ transplantation: Comprehensive review. *Transplant infectious disease : an official journal of the Transplantation Society*. 2019, 21(6):e13178.
- Beam, E., & Razonable, R.R., A survey of infection prevention and control practices among solid organ transplantation centers. *American journal of infection control*. 2019, 47(1):101-104.
- Escalante, P., Razonable, R.R., & Kennedy, C.C., Antifungal prophylaxis in lung transplant: A survey of United States' transplant centers. *Clinical transplantation*. 2019, 33(7):e13630.
- 2018 Razonable R.R., Drug-resistant cytomegalovirus: clinical implications of specific mutations. *Current opinion in organ transplantation*. 2018, 23(4):388-394.
- Meesing, A., & Razonable, R.R., New Developments in the Management of Cytomegalovirus Infection After Transplantation. *Drugs*. 2018, 78(11):1085-1103.
- Abad, C., & Razonable, R.R., Mycobacterium tuberculosis after solid organ transplantation: A review of more than 2000 cases. *Clinical transplantation*. 2018, 32(6):e13259.
- Phan, T.L., Lautenschlager, I., Razonable, R.R., & Munoz, F.M., HHV-6 in liver transplantation: A literature review. *Liver international : official journal of the International Association for the Study of the Liver*. 2018, 38(2):210-223.
- Abad, C., & Razonable, R.R., Donor derived Mycobacterium tuberculosis infection after solid-organ transplantation: A comprehensive review. *Transplant infectious disease : an official journal of the Transplantation Society*. 2018, 20(5):e12971.
- Meesing, A., & Razonable, R.R., Pharmacologic and immunologic management of cytomegalovirus infection after solid organ and hematopoietic stem cell transplantation. *Expert review of clinical pharmacology*. 2018, 11(8):773-788.
- Beam, E., Germer, J.J., Lahr, B., Yao, J., Limper, A.H., Binnicker, M.J., & Razonable, R.R., Cytomegalovirus (CMV) DNA quantification in bronchoalveolar lavage fluid of immunocompromised patients with CMV pneumonia. *Clinical transplantation*. 2018, 32(1):10.1111/ctr.13149.
- Khanna, S., Tariq, R., Tosh, P.K., Walker, R.C., Razonable, R.R., & Pardi, D.S., Reply to Davido et al. *Clinical infectious diseases : an official publication of the Infectious Diseases Society of America*. 2018, 66(3):483-485.
- Beeching, N.J., Carratalà, J., Razonable, R.R., Oriol, I., & Vilela, E.G., Traveler's Diarrhea Recommendations for Solid Organ Transplant Recipients and Donors. *Transplantation*. 2018, 102(2S

- Suppl 2):S35-S41.
- Razonable R.R., Role of letermovir for prevention of cytomegalovirus infection after allogeneic haematopoietic stem cell transplantation. *Current opinion in infectious diseases*. 2018, 31(4):286-291.
- Meesing, A., & Razonable, R.R., Absolute Lymphocyte Count Thresholds: A Simple, Readily Available Tool to Predict the Risk of Cytomegalovirus Infection After Transplantation. *Open forum infectious diseases*. 2018, 5(10):ofy230.
- Wieruszewski, P.M., Vijayvargiya, P., Wilhelm, M.P., & Razonable, R.R., Cytomegaloviraemia clearance with foscarnet during renal replacement therapy. *The Journal of antimicrobial chemotherapy*. 2018, 73(2):548-549.
- 2017 Ljungman, P., Boeckh, M., Hirsch, H. H., Josephson, F., Lundgren, J., Nichols, G., Pikiš, A., Razonable, R.R., Miller, V., Griffiths, P.D., & Disease Definitions Working Group of the Cytomegalovirus Drug Development Forum, Definitions of Cytomegalovirus Infection and Disease in Transplant Patients for Use in Clinical Trials. *Clinical infectious diseases : an official publication of the Infectious Diseases Society of America*. 2017, 64(1):87-91.
- Abad, C. L., & Razonable, R. R. (2017). Treatment of alpha and beta herpesvirus infections in solid organ transplant recipients. *Expert review of anti-infective therapy*, 15(2), 93-110.
- Dioverti, M.V., Lahr, B.D., Germer, J.J., Yao, J.D., Gartner, M.L., & Razonable, R.R., Comparison of Standardized Cytomegalovirus (CMV) Viral Load Thresholds in Whole Blood and Plasma of Solid Organ and Hematopoietic Stem Cell Transplant Recipients with CMV Infection and Disease. *Open forum infectious diseases*. 2017, 4(3):ofx143.
- Ramanan, P., & Razonable, R.R., Evaluation of COBAS AmpliPrep/COBAS TaqMan CMV Test for use in hematopoietic stem cell transplant recipients. *Expert review of molecular diagnostics*. 2017, 17(7):633-639.
- Bruminhent, J., Cawcutt, K.A., Thongprayoon, C., Petterson, T.M., Kremers, W.K., & Razonable, R.R., Epidemiology, risk factors, and outcome of *Clostridium difficile* infection in heart and heart-lung transplant recipients. *Clinical transplantation*. 2017, 31(6):10.1111/ctr.12968.
- Abad, C.L., Lahr, B.D., & Razonable, R.R., Epidemiology and risk factors for infection after living donor liver transplantation. *Liver transplantation : official publication of the American Association for the Study of Liver Diseases and the International Liver Transplantation Society*. 2017, 23(4), 465-477.
- Ramanan, P., Cummins, N.W., Wilhelm, M.P., Heimbach, J.K., Dierkhising, R., Kremers, W.K., Rosen, C.B., Gores, G.J., & Razonable, R.R., Epidemiology, risk factors, and outcomes of infections in patients undergoing liver transplantation for hilar cholangiocarcinoma. *Clinical transplantation*. 2017, 31(8): 10.1111/ctr.13023.
- Razonable R.R, Progress Toward HHV-8 Prevention After Transplantation: In Search for Optimal Diagnostic Strategies. *Transplantation*. 2017, 101(8):1751-1752.
- Singh, N., Sifri, C.D., Silveira, F.P., Miller, R., Gregg, K.S., Huprikar, S., Lease, E.D., Zimmer, A., Dummer, J.S., Spak, C.W., Koval, C., Banach, D.B., Shroff, M., Le, J., Ostrander, D., Avery, R., Eid, A., Razonable, R.R., Montero, J., Blumberg, E., ... Sun, H.Y., Unique characteristics of cryptococcosis identified after death in patients with liver cirrhosis: comparison with concurrent cohort diagnosed antemortem. *Medical mycology*. 2017, 55(3):278-284.
- 2016 Dioverti, M.V., & Razonable, R.R., Cytomegalovirus. *Microbiology spectrum*. 2016, 4(4):10.1128/microbiolspec.DMIH2-0022-2015.
- Beard, O.E., Freifeld, A., Ison, M.G., Lawrence, S.J., Theodoropoulos, N., Clark, N.M., Razonable, R. R., Alangaden, G., Miller, R., Smith, J., Young, J.A., Hawkinson, D., Pursell, K., & Kaul, D.R., Current practices for treatment of respiratory syncytial virus and other non-influenza respiratory viruses in high-risk patient populations: a survey of institutions in the Midwestern Respiratory Virus Collaborative. *Transplant infectious disease : an official journal of the Transplantation Society*. 2016, 18(2):210-215.
- Abad, C.L., & Razonable, R.R., Non-tuberculous mycobacterial infections in solid organ transplant recipients: An update. *Journal of clinical tuberculosis and other mycobacterial diseases*. 2016, 4:1-8.
- Abad, C.L., & Razonable, R.R., α Herpes Virus Infections Among Renal Transplant Recipients. *Seminars in nephrology*. 2016, 36(5):344-350.
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Name Maria Theresa Redaniel

Sex Female

Fields of Specialization

Epidemiology

Cancer

Health Inequality

Experience

Research Fellow, School of Social and Community Medicine, University of Bristol, Bristol, United Kingdom, 2014 October-2018 December

Publications

- 2020 Jackson, J., Nugawela, M. D., De Vocht, F., Moran, P., Hollingworth, W., Knipe, D., Munien, N., Gunnell, D., & Redaniel, M. T. (2020). Long-term impact of the expansion of a hospital liaison psychiatry service on patient care and costs following emergency department attendances for self-harm. *BJPsych open*, 6(3), e34.
- 2019 Jackson, J., Lewis, N.V., Feder, G.S., Whiting, P., Jones, T., Macleod, J., & Redaniel, M.T., Exposure to domestic violence and abuse and consultations for emergency contraception: nested case-control study in a UK primary care dataset. *The British journal of general practice : the journal of the Royal College of General Practitioners*. 2019, 69(680):e199–e207.
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- Pulte, D., Redaniel, M.T., Jansen, L., Brenner, H., & Jeffreys, M., Recent trends in survival of adult patients with acute leukemia: overall improvements, but persistent and partly increasing disparity in survival of patients from minority groups. *Haematologica*. 2013, 98(2):222–229.
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- 2010 Redaniel, M.T., Laudico, A., Mirasol-Lumague, M.R., Gondos, A., Uy, G., & Brenner, H., Inter-country and ethnic variation in colorectal cancer survival: comparisons between a Philippine population, Filipino-Americans and Caucasians. *BMC cancer*. 2010, 10:100.
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Name Michelle D. Regulacio

Sex Female

Organizational Affiliation

Associate Professor, Institute of Chemistry, University of the Philippines, Diliman, Quezon City, Philippines

Fields of Specialization

Nanotechnology

Inorganic Chemistry

Materials Chemistry

Nanomaterial Synthesis

Nanoparticle synthesis

Semiconductor

Hybrid Materials

Quantum Dots

Colloids

Publications

- 2020 Regulacio, M.D., Yang, D.-P., & Ye, E., Toward greener methods of producing branched metal nanostructures. *CrystEngComm*. 2020, 22(3):399-411.
- 2018 Yu, H.D., Regulacio, M.D., Ye, E., & Han, M.Y., Chemical routes to top-down nanofabrication. *Chemical Society reviews*. 2018, 42(14):6006-6018.
- 2017 Regulacio, M.D., Tee, S.Y., Lim, S.H., Teng, C.P., Koh, L.D., Liu, S., & Han, M.Y., Facile solvothermal approach to pristine tetrahedrite nanostructures with unique multiply-voided morphology. *Nanoscale*. 2017, 9(45):17865-17876.
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- Zhang, S. Y., Guan, G., Jiang, S., Guo, H., Xia, J., Regulacio, M. D., Wu, M., Shah, K. W., Dong, Z., Zhang, J., & Han, M. Y. (2015). Rapid Copper Metallization of Textile Materials: a Controlled Two-Step Route to Achieve User-Defined Patterns under Ambient Conditions. *ACS applied materials & interfaces*, 7(38), 21545-21551.
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- 2014 Zhang, S.Y., Regulacio, M.D., & Han, M.Y., Self-assembly of colloidal one-dimensional nanocrystals. *Chemical Society reviews*. 2014, 43(7):2301-2323.
- Fan, C.M., Regulacio, M.D., Ye, C., Lim, S.H., Zheng, Y., Xu, Q.H., Xu, A.W., & Han, M.Y., Colloidal synthesis and photocatalytic properties of orthorhombic AgGaS₂ nanocrystals. *Chemical communications (Cambridge, England)*. 2014, 50(54):7128-7131.

- 2013 Regulacio, M.D., Win, K.Y., Lo, S.L., Zhang, S.Y., Zhang, X., Wang, S., Han, M.Y., & Zheng, Y., Aqueous synthesis of highly luminescent AgInS₂-ZnS quantum dots and their biological applications. *Nanoscale*. 2013, 5(6):2322-2327.
- 2012 Regulacio, M. D., Ye, C., Lim, S. H., Bosman, M., Ye, E., Chen, S., Xu, Q. H., & Han, M. Y. (2012). Colloidal nanocrystals of wurtzite-type Cu₂ZnSnS₄: facile noninjection synthesis and formation mechanism. *Chemistry (Weinheim an der Bergstrasse, Germany)*, 18(11), 3127-3131.
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- 2011 Regulacio, M.D., Ye, C., Lim, S.H., Bosman, M., Polavarapu, L., Koh, W.L., Zhang, J., Xu, Q.H., & Han, M.Y., One-pot synthesis of Cu_{1.94}S-CdS and Cu_{1.94}S-Zn_(x)Cd_(1-x)S nanodisk heterostructures. *Journal of the American Chemical Society*. 2011, 133(7):2052-2055.
- 2010 Regulacio, M.D., & Han, M.Y., Composition-tunable alloyed semiconductor nanocrystals. *Accounts of chemical research*. 2010, 43(5):621-630.
- 2008 Regulacio, M.D., Pablico, M.H., Vasquez, J.A., Myers, P.N., Gentry, S., Prushan, M., Tam-Chang, S.W., & Stoll, S.L., Luminescence of LnIII dithiocarbamate complexes (Ln = La, Pr, Sm, Eu, Gd, Tb, Dy). *Inorganic chemistry*. 2008, 47(5):1512-1523.
- 2006 Regulacio, M.D., Bussmann, K., Lewis, B., & Stoll, S.L., Magnetic properties of lanthanide chalcogenide semiconducting nanoparticles. *Journal of the American Chemical Society*. 2006, 128(34):11173-11179.

Name Christopher Jay Torres Robidillo

Sex Male

Organizational Affiliation

Assistant Professor, Department of Physical Sciences and Mathematics, College of Arts and Sciences, University of the Philippines, Manila, Philippines

Education

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Master of Science in Chemistry, National Tsing Hua University, Hsinchu, Taiwan, 2011

Bachelor of Science in Biochemistry (*magna cum laude*), University of the Philippines Manila, 2004

Fields of Specialization

Nanotechnology

Biochemistry

Organic Chemistry

Material Characterization

Organic Synthesis

Nanomaterials Synthesis

Surface Modification

Carbohydrate Chemistry

Enzyme Catalysis

Experience

Assistant Professor, Department of Physical Sciences and Mathematics, College of Arts and Sciences, University of the Philippines, Manila, Philippines, 2011 November 1-Present

Graduate Student/Researcher, Department of Chemistry, University of Alberta, Canada, 2015 September 1-2020 May 6

Joint Student/Researcher, Department of Chemistry, Technische Universität München, Germany, 2019 June 11-2019 August 31

Joint Student/Researcher, Department of Chemistry, Technische Universität München, Germany, 2017 October 2-2017 December 22

Teaching Assistant, Department of Chemistry, University of Alberta, Canada, 2015 September 1-2016 April 30

Graduate Student/Researcher, Department of Chemistry, National Tsing Hua University, Taiwan, 2009 September 1-2011 August 31

Undergraduate Student/Researcher, National Institute of Molecular Biology and Biotechnology, University of the Philippines Los Baños, Philippines, 2003 November 1-2004 March 31

Lectures, Conferences, Posters, Oral Presentations, or Papers Presented

2020 May 12 Robidillo, C.J.T., & Veinot, J.G.C. (2020 May 12) Ratiometric Detection of Nerve Agents by Coupling Complementary Properties of Silicon-Based Quantum Dots and Green Fluorescent Protein. 103rd Canadian Chemistry Conference and Exhibition. Winnipeg, Manitoba, Canada. (Oral Presentation)

- 2019 December 9 Robidillo, C.J.T., & Veinot, J.G.C. (2019 December 9) Functional Bioinorganic Hybrids from Enzymes and Silicon-Based Quantum Dots. 18th Asian Chemical Congress. Taipei, Taiwan. (Oral Presentation)
- 2019 December 9 Robidillo, C.J.T., & Veinot, J.G.C. (2019 December 9) Ratiometric Detection of Nerve Agents Using Silicon-Based Quantum Dots and Green Fluorescent Protein. 18th Asian Chemical Congress. Taipei, Taiwan. (Poster Presentation)
- 2019 November 11 Robidillo, C.J.T., & Veinot, J.G.C. Ratiometric Detection of Nerve Agents Using Silicon Quantum Dots and Green Fluorescent Protein. 5th Alberta/Technische Universität München International Graduate School for Hybrid Functional Materials (ATUMS) Annual Meeting. Canmore, Alberta, Canada. (Oral Presentation)
- 2019 September 17 Robidillo, C.J.T., Bahniuk, M.S., Wandelt, S., Matharu, G., Unsworth, L.D., & Veinot, J.G.C. (2019 September 17) Thermally Responsive Photoluminescent Hybrids from Silicon Quantum Dots and Elastin-Like Polypeptides. European Materials Research Society (E-MRS) Fall 2019 Meeting and Exhibition. Warsaw, Poland. (Oral Presentation, Invited Talk)
- 2019 July 11 Robidillo, C.J.T., & Veinot, J.G.C. (2019 July 11) Catalytic Photoluminescent Bioinorganic Hybrids from Enzymes and Silicon Nanocrystals. 14th International Conference on Materials Chemistry. Birmingham, England, United Kingdom. (Oral Presentation)
- 2019 June 17 Robidillo, C.J.T., & Veinot, J.G.C. (2019 June 17) Surface Functionalization of Photoluminescent Silicon Nanocrystals with Active Enzymes. 9th International Colloids Conference. Sitges, Barcelona, Spain. (Poster Presentation)
- 2019 May 2 Robidillo, C.J.T., & Veinot, J.G.C. (2019 May 2) Bioconjugation of Silicon Quantum Dots with Active Enzymes. 6th Alberta Nano Research Symposium. Edmonton, Alberta, Canada. (Poster Presentation)
- 2018 November 13 Robidillo, C.J.T., & Veinot, J.G.C. (2018 November 13) Functional Bioinorganic Hybrids from Enzymes and Silicon Nanocrystals. 4th Alberta/Technische Universität München International Graduate School for Hybrid Functional Materials (ATUMS) Annual Meeting. Garching, Bavaria, Germany. (Oral Presentation)
- 2018 October 1 Robidillo, C.J.T., & Veinot, J.G.C. (2018 October 1) Preparation of Enzyme - Silicon Nanocrystal hybrids through the Amide Coupling and Thiol-Ene Reactions. Silicon Nanoparticle Workshop 2018. Bertinoro, Italy. (Oral Presentation, Keynote Speaker)
- 2018 September 18 Robidillo, C.J.T., & Veinot, J.G.C. (2018 September 18) Interfacing Enzymes with Silicon Nanocrystals. European Materials Research Society (E-MRS) Fall 2018 Meeting and Exhibition. Warsaw, Poland. (Oral Presentation, Invited Talk)
- 2018 May 31 Robidillo, C.J.T., Geisler, A.V., Islam, M.A., Aghajamali, M., Sinelnikov, R., Faramus, A., Zhang, X, Boekhoven, J, & Veinot, J.G.C. (2018 May 31) Interfacing Enzymes with Silicon-Based Nanoparticles through the Amide Coupling Reaction. 101st Canadian Chemistry Conference and Exhibition. Edmonton, Alberta, Canada. (Poster Presentation)
- 2018 May 28 Robidillo, C.J.T., & Veinot, J.G.C. (2018 May 28) Functional Bioinorganic Hybrids from Enzymes and Silicon Quantum Dots. 101st Canadian Chemistry Conference and Exhibition. Edmonton, Alberta, Canada. May 28, 2018. (Oral Presentation)
- 2017 May 29 Robidillo, C.J.T., & Veinot, J.G.C. (2017 May 29) Preparation of Enzyme-Silicon-Based Nanocrystal Hybrids through the Amide Coupling Reaction. 100th Canadian Chemistry Conference and Exhibition. Toronto, Ontario, Canada. (Poster Presentation)
- 2017 May 21 Robidillo, C.J.T., & Veinot, J.G.C. (2017 May 21) Interfacing Enzymes with Silicon-Based Nanocrystals through the Amide Coupling Reaction. European Materials Research Society (E-MRS) Spring 2017 Meeting and Exhibition. Strasbourg, France. (Oral Presentation)
- 2016 November 8 Robidillo, C.J.T., & Veinot, J.G.C. (2016 November 8) Thiol-Ene Click Reaction of Alkene-Terminated Silicon Nanocrystals: Interfacing Silicon Nanocrystals with Enzymes. 2nd Alberta/Technische Universität München International Graduate School for Hybrid Functional Materials (ATUMS) Annual Meeting. Burghausen, Bavaria, Germany. (Oral Presentation)

Publications

- 2019 Robidillo, C.J.T., Wandelt, S., Dalangin, R., Zhang, L., Yu, H.Y., Meldrum, A., Campbell, R.E., & Veinot, J.G.C., Ratiometric Detection of Nerve Agents by Coupling Complementary Properties of Silicon-Based Quantum Dots and Green Fluorescent Protein. *ACS Applied Materials & Interfaces*. 2019, 11:33478-33488.
- 2018 Robidillo, C.J.T., Aghajamali, M., Faramus, A., Sinenikov, R., & Veinot, J.G.C., Interfacing Enzymes with Silicon Nanocrystals through the Thiol-Ene Reaction. *Nanoscale*. 2018, 10:18706-18719.
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Dela Cruz, J.M.G., & Robidillo, C.J.T., Fluorescent Tryptophan-Doped Silica Microparticles Prepared Through a Reverse Microemulsion Method. *Philippine Journal of Science*. 2017, 146(1): 37-46.
- 2016 Macalalad, E.A., Robidillo, C.J.T., & Marfori, E.C., Influence of Different Cytokinins on the Growth, [6]-Gingerol Production and Antioxidant Activity of in vitro Multiple Shoot Culture of Ginger (*Zingiber officinale* Roscoe). *Research Journal of Medicinal Plant*. 2016, 10(2):194-200.
- 2014 Robidillo, C.J.T., Villarante, N.R., & Trinidad, L.C., Biosorption of Copper (II) by Live Biomasses of Two Indigenous Bacteria Isolated from Copper-Contaminated Water. *Philippine Science Letters*. 2014, 7(2):356-371.
- 2012 Perez, M.T.M., Apaga, D.L.T., Robidillo, C.J.T., & Elegado, F.B., Pediocin Structural Genes of Bacteriocinogenic *Pediococci* Isolated from Indigenous Philippine and Vietnamese Foods. *Proceedings of the 2012 International Conference on Green Technology and Sustainable Development*. 2012, 131-137.

Name Maria Sonia S. Salamat

Sex Female

Organizational Affiliation

Clinical Associate Professor, College of Medicine, University of the Philippines

Fields of Specialization

Internal Medicine

Infectious Diseases

Experience

Clinical Associate Professor and Attending Physician, Philippine General Hospital, 2010 July-Present

Publications

- 2020 Roxas, M., Sandoval, M., Salamat, M.S., Matias, P.J., Cabal, N.P., & Bartolo, S.S., Bilateral adrenal histoplasmosis presenting as adrenal insufficiency in an immunocompetent host in the Philippines. *BMJ case reports*. 2020, 13(5), e234935.
- 2019 Reyes, M.S.G.L., Torres, C.D.H., Bermudez, A.N.C., Cochon, K.L., Roxas, E.A., Liao, S.A.S.P., Ortega, D.J.N., Silang, A.V.M.C., Uezono, D.R., Salamat, M.S.S., , Intersectoral Collaborations for the Prevention and Control of Vector Borne Diseases: A Scoping Review, *Acta medica philippina*. 2019, 53(4).
- 2015 Agoncillo, A.R., Coronacion, K.A.E.B., Dagdag, J.T.T., Matira, M.S.C., Pamintuan, N.K.E., Soriano, C.S.M., Salamat, M.S.S., Saniel, O.P., & Rivera, P.T., Factors Associated with Non-compliance with Anti-malarial Treatment among Malaria Patients in Puerto Princesa, Palawan. 2015, 49(3).
- 2014 Soares Magalhães, R.J., Salamat, M.S., Leonardo, L., Gray, D.J., Carabin, H., Halton, K., McManus, D.P., Williams, G.M., Rivera, P., Saniel, O., Hernandez, L., Yakob, L., McGarvey, S., & Clements, A., Geographical distribution of human *Schistosoma japonicum* infection in The Philippines: tools to support disease control and further elimination. *International journal for parasitology*. 2014, 44(13):977-984.
- 2013 Salamat, M.S.S., Cochon, K.L., Crisostomo, G.C.C., Gonzaga, P.B.S., Quijano, N.A., Torio, J.F., & Villanueva, A.A., Entomological Survey of Artificial Container Breeding Sites of Dengue Vectors in Batasan Hills, Quezon City. *Acta medica philippina*. 2013, 47(3):63-68.

Name Ofelia Pardo Saniel

Sex Female

Organizational Affiliation

Professor Emeritus, Department of Epidemiology and Biostatistics, College of Public Health, University of the Philippines Manila, Manila, Philippines

Education

Doctor of Philosophy in Epidemiology, University of California Los Angeles, CA, USA, 1996

Master of Science in Public Health, University of the Philippines, 1980

Bachelor of Science in Hygiene, University of the Philippines, 1972

Fields of Specialization

Epidemiology

Public Health

Hygiene

Honors / Awards

Most Outstanding Alumnus in Research, UP College of Public Health Alumni Society

Centennial Professorial Chair, University of the Philippines

Lectures, Conferences, Posters, Oral Presentations, or Papers Presented

- 2015 November Saniel, O., & Amit, A.M.L. (2015 November 13). Addressing child malnutrition through Infant and Young Child Feeding Initiatives: Results of the MDG-F 2030 Survey, Public Health Conference: Promoting Socially Relevant Public Health Projects and Researches, SEAMEO TROPED, Philippines.
- 2015 August Almirol, B.J., Gepte, D.F.G., Diwa, C.C.S., & Saniel, O. (2015 August). 120: Prevalence of Psychosocial Distress Among Flood Victims in Selected Urban Barangays in Pasay City, Global Forum on Resesarch and Innovation for Health, Philippine International Convention Center, Pasay, Philippines.
- 2015 August Gepte, D.F., Diwa, C.C.S., Almirol, B.J., & Saniel, O. (2015 August) 124: How to Measure Disaster Preparedness of Communities, Global Forum on Resesarch and Innovation for Health, Philippine International Convention Center, Pasay, Philippines.
- 2002 October Baltasar, J.F.T., Inductivo, I., Macutay, G., Saniel, O., & Baello, E.B. (2002 October). Prognosis of chest pain in patients undergoing kidney transplantation, 4th Scientific Forum on Quality of Care and Outcomes Research in Cardiovascular Disease and Stroke, Omni Shoreham Hotel, Washington, DC, USA.
- 2002 October Baltasar, J.F.T., Combate, V.F., Saniel, O., Collado, F.R., & Calleja, H.B. (2002 October). Predictors of cerebrovascular events in patients undergoing CABG, Omni Shoreham Hotel, Washington, DC, USA.

Publications

- 2018 Pepito, V.C., Amit, A.M.L., Samontina, R.E., Abdon, S.J.A., Fuentes, D.N., & Saniel, O., Variations in the Clinical Management of Multibacillary Leprosy Patients in Selected Hospitals in Metro Manila. *Acta medica Philippina*. 2018, 52(3):268-276.
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- 2014 Soares Magalhães, R.J., Salamat, M.S., Leonardo, L., Gray, D.J., Carabin, H., Halton, K., McManus, D.P., Williams, G.M., Rivera, P., Saniel, O., Hernandez, L., Yakob, L., McGarvey, S., & Clements, A., Geographical distribution of human *Schistosoma japonicum* infection in The Philippines: tools to support disease control and further elimination. *International journal for parasitology*. 2014, 44(13):977-984.
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Name Jojene R. Santillan

Sex Male

Organizational Affiliation

Assistant Professor I – Caraga Center for Geo-Informatics, Caraga State University, Philippines

Fields of Specialization

GIS

Remote Sensing

Hydrology

Geoinformatics

Experience

Researcher, College of Engineering and Information Technology, Caraga State University, Butuan, Philippines, 2014 April-Present

University Research Associate I, Department of Geodetic Engineering, Research Laboratory for Applied Geodesy and Space Technology, University of the Philippines, Diliman, Quezon City, Philippines, 2005 August-2014 March

Lectures, Conferences, Posters, Oral Presentations, or Papers Presented

- 2019 November 11-13 Santillan, J.R. (2019 November 11-13). Changing land-cover and its impacts on the inundation responses of the Agusan Marsh: an analysis based on satellite remote sensing and numerical simulations, Ramsar Site 1009: Agusan Marsh Wildlife Sanctuary, Celebrating Platinum Anniversary and Facing the Future, 20th Anniversary Conference, Agusan Marsh, Butuan City, Philippines.
- 2019 October 14-18 Santillan, J.R., Morales, E.M.O., Makinano-Santillan, M., Amora, A.M., Marqueso, J.T., & Gingo, A.L. (2019 October 14-18). A Web GIS-based Visualization and Analytical Platform for Near-Real Time Flood Characterization, Forecasting and Impact Assessment, 40th Asian Conference on Remote Sensing (ACRS 2019), Daejeon Convention Center (DCC), Daejeon, Korea.
- 2019 March 12-14 Santillan, J.R., Amora, A.M., Makinano-Santillan, M., Gingo, A.L., & Marqueso, J.T. (2019 March 12-14). Analyzing the Impacts of Land Cover Change to the Hydrologic and Hydraulic Behaviors of the Philippines' Third Largest River Basin, 10 Joint Workshop "Multidisciplinary Remote Sensing for Environmental Monitoring", Kyoto, Japan.
- 2019 March 12-14 Makinano-Santillan, M., Serviano, J., Rubillos, C.K., Amora, A., Santillan, J.R., Morales, E.M., Marqueso, J.T., & Gingo, A.L. (2019 March 12-14). Near-Real Time Hazard Monitoring and Information Dissemination Through Integration of Remote Sensing, GIS, Numerical Modelling, Web Applications and Social Media, 10 Joint Workshop "Multidisciplinary Remote Sensing for Environmental Monitoring", Kyoto, Japan.
- 2017 September 18-22 Santillan, J.R., & Makinano-Santillan, M. (2017 September 18-22). Elevation-based Sea-level Rise Vulnerability Assessment of Mindanao, Philippines: Are Freely-available 30-m Dems Good Enough?, ISPRS Geospatial Week, Wuhan, China.
- 2016 October 3-5 Santillan, J.R., Serviano, J.L., Makinano-Santillan, M., & Marqueso, J.T. (2016 October 3-5). Influence of River Bed Elevation Survey Configurations and Interpolation Methods on the Accuracy of LiDAR Dtm-based River Flow Simulations, The International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences, International Conference on Geomatic and Geospatial Technology (GGT), Kuala Lumpur, Malaysia.
- 2016 October 17-21 Cutamora, L.C., Serviano, J.L., Pulido, S.P., Santillan, J.R., Makinano-Santillan, M.M., Makinano, R.M., Berdera, M.A., Estorque, A.C.N., & Culdora, J.P. (2016 October 17-21). Assessment of Spatial Interpolation Techniques for River Bathymetry Generation and Integration in Lidar Dtm: Impacts in River Flow Simulations, 37th Asian Conference on Remote Sensing, Colombo, Sri Lanka.

- 2016 October 17-21 Makinano-Santillan, M., & Santillan, J. (2016 October 17-21). Effective Flood Forecasting and Early Warning Through Application of LIDAR And Related Geospatial Technologies, 37th Asian Conference on Remote Sensing, Colombo, Sri Lanka.
- 2016 October 17-21 Amora, A.M., Santillan, J.R., Makinano-Santillan, M., Marqueso, J.T., & Gingo, A.L. (2016 October 17-21). Characterizing Flood Hazards in an Alluvial Fan During Extreme Rainfall Events Using LIDAR and Numerical Modeling, 37th Asian Conference on Remote Sensing, Colombo, Sri Lanka.
- 2016 October 17-21 Santillan, J.R., & Makinano-Santillan, M. (2016 October 17-21). The Use of LIDAR Data and 1D-2D Model Simulations in Assessing the effectiveness of Flood Control Structures under Extreme/Climate Change Scenarios, 37th Asian Conference on Remote Sensing, Colombo, Sri Lanka.
- 2016 October 17-21 Morales, E.M.O., Moyon, E.S., Santillan, J.R., & Makinano-Santillan, M. (2016 October 17-21). Interactive Flood Risk Forecasting Web-application Using Openlayers API and Javascript, 37th Asian Conference on Remote Sensing.
- 2016 July 10-15 Santillan, J.R., Makinano-Santillan, M., & Cutamora, L.C. (2016 July 10-15). Integrating LiDAR and flood simulation models in determining exposure and vulnerability of buildings to extreme rainfall-induced flood hazards, IEEE International Geoscience and Remote Sensing Symposium (IGARSS), Beijing, China.
- 2016 July 10-15 Santillan, J.R., Makinano-Santillan, M., & Makinano, R.M. (2016 July 10-15). Vertical accuracy assessment of ALOS World 3D - 30M Digital Elevation Model over northeastern Mindanao, Philippines, 2016 IEEE International Geoscience and Remote Sensing Symposium (IGARSS), Beijing, China.

Publications

- 2019 Santillan, J.R., Amora, A.M., & Makinano-Santillan, M., Gingo, A.L., & Marqueso, J.T., Analyzing the Impacts of Land Cover Change to the Hydrologic and Hydraulic Behaviors of the Philippines' Third Largest River Basin. *ISPRS Annals of the Photogrammetry, Remote Sensing and Spatial Information Sciences*, 2019, IV3-W1:41-48.
- Makinano-Santillan, M., Serviano, J., Rubillos, C.K., Amora, A., Santillan, J.R., Morales, E.M., Marqueso, J.T., & Gingo, A.L., Near-Real Time Hazard Monitoring and Information Dissemination Through Integration of Remote Sensing, GIS, Numerical Modelling, Web Applications and Social Media. *ISPRS Annals of the Photogrammetry, Remote Sensing and Spatial Information Sciences*, 2019.
- 2018 Santillan, J.R., & Makinano-Santillan, M., Analysis of in-situ Spectral Reflectance of Sago and Other Palms: Implications for Their Detection in Optical Satellite Images. *ISPRS Annals of the Photogrammetry, Remote Sensing and Spatial Information Sciences*, 2018, IV-3.
- 2017 Santillan, J.R., & Makinano-Santillan, M., Elevation-based Sea-level Rise Vulnerability Assessment of Mindanao, Philippines: Are Freely-available 30-m Dems Good Enough? *The International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences*, 2017, XLII-2/W7.
- 2016 Makinano-Santillan, M., & Santillan, J.R., Mapping Suitable Areas for Mass Propagation of Sago Palms in the Philippines. In Book: Paluga, M.J.D., Eds., *BANWA Monograph Series 1 Mapping Sago: Anthropological, Biophysical and Economic Aspects*, Chapter: 7, University of the Philippines Mindanao, 2016.
- Santillan, J., & Makinano-Santillan, M., Recent Distribution of Sago Palms in the Philippines. In Book: Paluga, M.J.D., Eds., *BANWA Monograph Series 1 Mapping Sago: Anthropological, Biophysical and Economic Aspects*, Chapter: 4, University of the Philippines Mindanao, 2016.
- Cutamora, L.C., Serviano, J.L., Pulido, S.P., Santillan, J.R., Makinano-Santillan, M.M., Makinano, R.M., Berdera, M.A., Estorque, A.C.N., & Culdora, J.P., Assessment of Spatial Interpolation Techniques for River Bathymetry Generation and Integration in Lidar Dtm: Impacts in River Flow Simulations. *Proceedings of the 37th Asian Conference on Remote Sensing*, Colombo, Sri Lanka, 2016.
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- Characterizing Flood Hazards in an Alluvial Fan During Extreme Rainfall Events Using LIDAR and Numerical Modeling. Proceedings of the 37th Asian Conference on Remote Sensing, Colombo, Sri Lanka, 2016.
- Santillan, J.R., & Makinano-Santillan, M., The Use of LIDAR Data and 1D-2D Model Simulations in Assessing the effectiveness of Flood Control Structures under Extreme/Climate Change Scenarios. Proceedings of the 37th Asian Conference on Remote Sensing, Colombo, Sri Lanka, 2016.
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- Santillan, J.R., Serviano, J.L., Makinano-Santillan, M., & Marqueso, J.T., Influence of River Bed Elevation Survey Configurations and Interpolation Methods on the Accuracy of LiDAR Dtm-based River Flow Simulations. The International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences, International Conference on Geomatic and Geospatial Technology (GGT), Kuala Lumpur, Malaysia, 2016, XLI.
- Santillan, J.R., Makinano-Santillan, M., & Cutamora, L.C., Integrating LiDAR and flood simulation models in determining exposure and vulnerability of buildings to extreme rainfall-induced flood hazards. IEEE International Geoscience and Remote Sensing Symposium (IGARSS), Beijing, China, 2016.
- Santillan, J.R., Makinano-Santillan, M., & Makinano, R.M., Vertical accuracy assessment of ALOS World 3D - 30M Digital Elevation Model over northeastern Mindanao, Philippines. IEEE International Geoscience and Remote Sensing Symposium (IGARSS), 2016.
- Morales, E.M.O., Moyon, E.S., Santillan, J.R., & Makinano-Santillan, M., Interactive Flood Risk Forecasting Web-application Using Openlayers API and Javascript. 37th Asian Conference on Remote Sensing 2016, Colombo, Sri Lanka, 2016.
- Santillan, J.R., Makinano-Santillan, M., Amora, A.M., Morales, E.M.O., Cutamora, L.C., & Asube, L.C.S., Near-real Time Simulation and Geo-visualization of Flooding in the Philippines' Deepest Lake. IEEE International Geoscience and Remote Sensing Symposium (IGARSS), 2016.
- 2011 Santillan, J., Makinano-Santillan, M., & Paringit, E.C., Integrated Landsat Image Analysis and Hydrologic Modeling to Detect Impacts of 25-Year Land-Cover Change on Surface Runoff in a Philippine Watershed. *Remote Sensing*, 2011, 3(6):1067-1087.
- 2010 Santillan, J.R., Makinano, M.M., & Paringit, E.C., Integrating Remote sensing, GIS and hydrologic models for predicting land cover change impacts on surface runoff and sediment yield in a critical watershed in Mindanao, Philippines. *International Archives of the Photogrammetry, Remote Sensing and Spatial Information Science*. 2010, 38(Part 8).

Name Jesus Emmanuel Allas Dalope Sevilleja

Sex Male

Organizational Affiliation

Research Assistant Professor I, Institute of Molecular Biology and Biotechnology, University of the Philippines Manila, Manila, Philippines

Education

Research Fellowship, University of Virginia, Charlottesville, USA, 2008

Master of Philosophy (Epidemiology), University of Cambridge, Cambridge, United Kingdom, 2001

Rotating Internship, University of the Philippines - Philippine General Hospital, 1997

Doctor of Medicine, University of the Philippines, 1996

Bachelor of Science in Molecular Biology and Biotechnology, University of the Philippines, 1992

Secondary level, Philippine Science High School, 1998

Fields of Specialization

Epidemiology

Molecular Biology

Experience

Science Research Specialist, Philippine Genome Center, University of the Philippines, Quezon City, Philippines, 2013 June - 2014 February

Science Research Specialist, National Institutes of Health, University of the Philippines, Manila, Philippines, 2011 March-2013 May

Technical Consultant, The Medical City, Pasig, Philippines, 2011 March-2011 December

Research Associate, Center for Global Health, University of Virginia, Charlottesville, USA, 2008 December-2010 March

Research Assistant Professor I, Institute of Clinical Epidemiology, National Institutes of Health, University of the Philippines Manila, Philippines, Philippines, 2002 October-2007 May

Publications

- 2020 Rayo, J.F., de Castro, R., Sevilleja, J.E., & Bongolan, V.P., Modeling the dynamics of COVID-19 using Q-SEIR model with age-stratified infection probability.
- 2014 Raymundo, E.M., Diwa, M.H., Lapitan, M.C., Plaza, A.B., Sevilleja, J.E., Srivastava, S., & Sesterhenn, I.A., Increased association of the ERG oncoprotein expression in advanced stages of prostate cancer in Filipinos. *The Prostate*. 2014, 74(11):1079-1085.
- 2013 Bartelt, L.A., Sevilleja, J.E., Barrett, L.J., Warren, C.A., Guerrant, R.L., Bessong, P.O., Dillingham, R., & Samie, A., High anti-Cryptosporidium parvum IgG seroprevalence in HIV-infected adults in Limpopo, South Africa. *The American journal of tropical medicine and hygiene*. 2013, 89(3):531-534.
- 2012 Costa, L.B., Noronha, F.J., Roche, J.K., Sevilleja, J.E., Warren, C.A., Oriá, R., Lima, A., & Guerrant, R.L., Novel in vitro and in vivo models and potential new therapeutics to break the vicious cycle of Cryptosporidium infection and malnutrition. *The Journal of infectious diseases*. 2012, 205(9):1464-1471.
- Warren, C.A., Labio, E., Destura, R., Sevilleja, J.E., Jamias, J.D., & Daez, M.L., *Clostridium difficile* and *Entamoeba histolytica* infections in patients with colitis in the Philippines. *Transactions of the Royal Society of Tropical Medicine and Hygiene*. 2012, 106(7):424-428.
- Castro, I.C., Oliveira, B.B., Slowikowski, J.J., Coutinho, B.P., Siqueira, F.J., Costa, L.B., Sevilleja, J.E., Almeida, C.A., Lima, A.A., Warren, C.A., Oriá, R.B., & Guerrant, R.L., Arginine decreases

- Cryptosporidium parvum infection in undernourished suckling mice involving nitric oxide synthase and arginase. *Nutrition* (Burbank, Los Angeles County, Calif.). 2012, 28(6):678-685.
- 2011 Costa, L.B., JohnBull, E.A., Reeves, J.T., Sevilleja, J.E., Freire, R.S., Hoffman, P.S., Lima, A.A., Oriá, R.B., Roche, J.K., Guerrant, R.L., & Warren, C.A., Cryptosporidium-malnutrition interactions: mucosal disruption, cytokines, and TLR signaling in a weaned murine model. *The Journal of parasitology*. 2011, 97(6):1113-1120.
- 2010 Roche, J.K., Cabel, A., Sevilleja, J., Nataro, J., & Guerrant, R.L., Enteroaggregative *Escherichia coli* (EAEC) impairs growth while malnutrition worsens EAEC infection: a novel murine model of the infection malnutrition cycle. *The Journal of infectious diseases*. 2010, 202(4):506-514.
- Opintan, J.A., Newman, M.J., Ayeh-Kumi, P.F., Affrim, R., Gepi-Attee, R., Sevilleja, J.E., Roche, J.K., Nataro, J.P., Warren, C.A., & Guerrant, R.L., Pediatric diarrhea in southern Ghana: etiology and association with intestinal inflammation and malnutrition. *The American journal of tropical medicine and hygiene*. 83(4):936-943.
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Publications

- 2019 Aguilar, R.A., Hermosa, N., & Soriano, M.N., Low-cost Fourier ghost imaging using a light-dependent resistor. *American Journal of Physics*. 2019, 87(12):976–981.
- Abella, A.P., & Soriano, M.N., Detection and visualization of water surface three-wave resonance via a synthetic Schlieren method. *Physica Scripta*. 2019, 94(3).
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- 1995 Soriano, M., & Saloma, C., Cell classification by a learning principal component analyzer and a backpropagation neural network. *Bioimaging*. 1995, 3(4):168–176.

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Publications

- 2020 Quan, N., Harris, L.R., Halder, R., Trinidad, C.V., Johnson, B.W., Horton, S., Kimler, B.F., Pritchard, M.T., & Duncan, F.E., Differential sensitivity of inbred mouse strains to ovarian damage in response to low-dose total body irradiation, *Biology of Reproduction*. 2020, 102(1):133-144.
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AUTHOR INDEX

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Ophthalmology
Corneal Diseases
Corneal Transplantation
Cataract and Lasik Refractive
Surgery
External Eye Diseases and
Infection
Uveitis and Ocular Immunology
Cataract Extraction
Phacoemulsification
Astigmatism
Eye Surgery
Eye Diseases

Alampay, Erwin Gaspar Alday

Social Policy
Communication and Media
Quantitative Social Research

Amit, Arianna Maeвер Loreche

Epidemiology
Biostatistics
Evidence Synthesis
Public Health

Ates-Camino, Fritzie

Zoology
Terrestrial Wildlife Ecology
Crop Pollination
Biodiversity
Conservation
Wildlife Conservation
Endangered Species
Herpetology
Reptiles
Frogs

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Local Governance
Comparative Politics
Gender and Democratization
Human Security

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Agronomy
Plant Physiology
Tissue Culture
Plant Tissue Culture
Somatic Embryogenesis
Horticulture
Environmental Science
Agricultural Plant Science

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Coleoptera
Systematics
Ecology
Conservation

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Biodiversity
Butterflies
Odonata
Botany
Plant Taxonomy
Ecology

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Forest Ecology
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Carbon Forestry
GIS
Satellite Remote Sensing
Remote Sensing of Environment
Mangrove Blue Carbon

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Biostatistics
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Biochemistry
Genetics
Molecular Biology

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Geoecology
Remote Sensing
Meteorology
Atmospheric Science

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Gerontology
Mild Cognitive Impairment
Cognition Disorders
Memory
Cognitive Rehabilitation
Learning and Memory
Cognitive Neuroscience
Alzheimer's Disease
Cognitive Development
Parkinson's Disease

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Ophthalmology

De Mesa-Rodriguez, Roslyn

Medicine
Clinical Microbiology
Chemistry
Hospital Epidemiology
Molecular Typing
Infection Control

Delima-Baron, Elsa May

Herpetology
Wildlife Biology
Systematics
Biotechnology

Espiritu, Adrian Isidoro

Adult Neurology
Clinical Neurology
Systematic Reviews
Neuromyelitis Optica
Meta-Analysis

Fernandez, Glenn Fiel

Disaster Risk Management

Business Continuity
Management
Disaster Waste Management
Public Management
Environmental Management
Sustainability Science
Internal Audit
Logistics Management
Industrial Engineering

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Climate Change
Coastal Forestry
Forest Sustainability

Guinto, Ramon Lorenzo Luis Rosa

Public Health
Primary Care
Social Epidemiology
Health Promotion
Health Care Management
Health Equity
Medical Sociology
Anthropology of Medicine

Ibañez, Jayson Carungay

Qualitative Social Research
Biodiversity
Species Diversity
Eagles
Wildlife Conservation
Development Studies
Endangered Species
Rural, Local, & Community
Development
Good Governance
Community Empowerment
Indigenous People
Indigenous Knowledge Systems
Indigenous Cultures

Lasco, Paul Gideon D.

Public Health
Medical Anthropology
Non-Communicable Diseases
Human Height
Politics of Health Care

Drugs of Abuse

Leonardo, Lydia R.

Schistosomiasis
Public Health
Parasitology
Medical Malacology
Soil-Transmitted Helminthiasis
Food-borne Helminthiasis

Leyritana, Katerina Tolentino

Psychiatry
Internal Medicine (General Medicine)
Infectious Diseases
HIV
Community Development
Healthcare Education
Healthcare Management

Medina, Michael Arie Padang

Development Research Administration
Ecological Footprint
Climate Change Adaptation
Disaster Risk Reduction
Sustainable Development
Environment

Medina, Milton Norman Dejadena

Coleoptera
Conservation
Taxonomy
Transformative Education
Beetles
Entomology
Molecular Biology
Linnaean Taxonomy
Ecology
Environmental Science
Biodiversity

Mendiola, Rikki Lee Bosita

Information Systems (Business Informatics)
Qualitative Social Research
Communication and Media
Urban/Rural Sociology

Qualitative and Multi-method research

Mercado, Susan Pineda

Noncommunicable diseases
Public Health
Tobacco dependence
Smoking cessation

Mirasol-Lumague, Maria Rica

Oncology
Cancer
Epidemiology
Cancer Diagnostics
Tumor Markers
Prognostic Markers
Cancer Epidemiology

Mohagan, Alma Baguhin

Systematics (Taxonomy)
Entomology
Zoology
Biodiversity
Conservation Biology
Insect Ecology
Invertebrate Zoology
Insect Taxonomy
Insect Diversity
Insect Distribution
Butterflies
Vertebrate Fauna

Nañagas, Juan Maria Pablo R.

Social Policy
Public Policy Analysis
Health Care Management
Monitoring and Evaluation
Hospital Management
Hospitals
Hospital Charges

Paguio Jenniffer Torralba

Nursing
Nursing Education
Patient Safety
Patient Safety Culture

Medical Science Nursing
Clinical Nursing
Adult Health

Paller, Vachel Gay V.

Parasitology
Zoology
Ecology
Public Health
Aquatic Ecosystems
Zoonoses
Lakes
Parasite Biology
Parasite Culture
Helminthology
Evolutionary Parasitology
Parasite Ecology
Host-Parasite Interactions
Fish Parasitology
Bioindicators
Food Parasitology

Pasco, Paul Matthew D.

Neurology
Public Health
Medical Technology
Neurological Diseases
Dystonia
Telehealth

Pulhin, Florencia B.

Silviculture and Forest Influences
Forest Products Engineering
Environmental Science
Forestry
Environment
Natural Resource Management
Biodiversity

Puno, George R.

Forestry
Watershed Management
Environmental Modeling
GIS
Geomorphology
Forest Management
Hydrology

Razonable, Raymund R.

General Infectious Diseases
Internal Medicine
Transplant
Immunology
Epidemiology
Public Health

Redaniel, Maria Theresa

Epidemiology
Cancer
Health Inequality

Regulacio, Michelle D.

Nanotechnology
Inorganic Chemistry
Materials Chemistry
Nanomaterial synthesis
Nanoparticle synthesis
Semiconductor
Hybrid Materials
Quantum Dots
Colloids

Robidillo, Christopher Jay Torres

Nanotechnology
Biochemistry
Organic Chemistry
Material Characterization
Organic Synthesis
Nanomaterials Synthesis
Surface Modification
Carbohydrate Chemistry
Enzyme Catalysis

Salamat, Maria Sonia S.

Internal Medicine
Infectious Diseases

Saniel, Ofelia Pardo

Epidemiology
Public Health
Hygiene

Santillan, Jojene R.

Geographic Information System
Remote Sensing
Hydrology
Geoinformatics

Sevilleja, Jesus Emmanuel Allas Dalope

Epidemiology
Molecular Biology

Soriano, Maricor

Physics
Optics
Color
Image Processing
Machine Learning

Trinidad, Camille V.

Biochemistry
Microbiology

SPECIALIZATION INDEX

Adult Health

Paguio Jenniffer Torralba

Adult Neurology

Espiritu, Adrian Isidoro

Agricultural Plant Science

Bernardo, Emmanuel L.

Agronomy

Bernardo, Emmanuel L.

Alzheimer's Disease

Cuadro, Carla Krishan A.

Anthropology of Medicine

Guinto, Ramon Lorenzo Luis Rosa

Aquatic Ecosystems

Paller, Vachel Gay V.

Astigmatism

Agahan, Archimedes Lee D.

Atmospheric Science

Crisologo, Irene

Beetles

Medina, Milton Norman Dejadena

Biochemistry

Cordero, Cynthia P.
Robidillo, Christopher Jay Torres
Trinidad, Camille V.

Biodiversity

Ates-Camino, Fritzie
Cano-Mangaoang, Cherie
Ibañez, Jayson Carungay
Medina, Milton Norman Dejadena
Mohagan, Alma Baguhin
Pulhin, Florencia B.

Bioindicators

Paller, Vachel Gay V.

Biostatistics

Amit, Arianna Maever Loreche
Cordero, Cynthia P.

Biotechnology

Delima-Baron, Elsa May

Botany

Cano-Mangaoang, Cherie

Business Continuity Management

Fernandez, Glenn Fiel

Butterflies

Cano-Mangaoang, Cherie
Mohagan, Alma Baguhin

Cancer

Mirasol-Lumague, Maria Rica
Redaniel, Maria Theresa

Cancer Diagnostics

Mirasol-Lumague, Maria Rica

Cancer Epidemiology

Mirasol-Lumague, Maria Rica

Carbohydrate Chemistry

Robidillo, Christopher Jay Torres

Carbon Forestry

Castillo, Jose Alan A.

Cataract and Lasik Refractive Surgery

Agahan, Archimedes Lee D.

Cataract Extraction

Agahan, Archimedes Lee D.

Chemistry

De Mesa-Rodriguez, Roslyn

Climate Change

Gevaña, Dixon T.
Puno, George R.

Climate Change Adaptation

Medina, Michael Arie Padang

Clinical Microbiology De Mesa-Rodriguez, Roslyn	Conservation Biology Mohagan, Alma Baguhin
Clinical Neurology Espiritu, Adrian Isidoro	Corneal Diseases Agahan, Archimedes Lee D.
Clinical Nursing Paguio Jenniffer Torralba	Corneal Transplantation Agahan, Archimedes Lee D.
Coastal Forestry Gevaña, Dixon T.	Crop Pollination Ates-Camino, Fritzie
Cognition Disorders Cuadro, Carla Krishan A.	Development Research Administration Medina, Michael Arieih Padang
Cognitive Development Cuadro, Carla Krishan A.	Development Studies Ibañez, Jayson Carungay
Cognitive Neuroscience Cuadro, Carla Krishan A.	Disaster Risk Management Fernandez, Glenn Fiel
Cognitive Rehabilitation Cuadro, Carla Krishan A.	Disaster Risk Reduction Medina, Michael Arieih Padang
Coleoptera Cabras, Analyn Anzano Medina, Milton Norman Dejadena	Disaster Waste Management Fernandez, Glenn Fiel
Colloids Regulacio, Michelle D.	Drugs of Abuse Lasco, Paul Gideon D.
Color Soriano, Maricor	Dystonia Pasco, Paul Matthew D.
Communication and Media Alampay, Erwin Gaspar A. Mendiola, Rikki Lee Bosita	Eagles Ibañez, Jayson Carungay
Community Development Leyritana, Katerina Tolentino	Ecological Footprint Medina, Michael Arieih Padang
Community Empowerment Ibañez, Jayson Carungay	Ecology Cabras, Analyn Anzano Cano-Mangaoang, Cherie Medina, Milton Norman Dejadena Paller, Vachel Gay V.
Comparative Politics Atienza, Maria Ela L.	Endangered Species Ates-Camino, Fritzie Ibañez, Jayson Carungay
Conservation Ates-Camino, Fritzie Cabras, Analyn Anzano Medina, Milton Norman Dejadena	

Entomology Medina, Milton Norman Dejadena Mohagan, Alma Baguhin	Food-borne Helminthiases Leonardo, Lydia R.
Environment Medina, Michael Arieih Padang Pulhin, Florencia B.	Forest Ecology Castillo, Jose Alan A.
Environmental Management Fernandez, Glenn Fiel	Forest Management Puno, George R.
Environmental Modeling Puno, George R.	Forest Products Engineering Pulhin, Florencia B.
Environmental Science Bernardo, Emmanuel L. Medina, Milton Norman Dejadena Pulhin, Florencia B.	Forest Sustainability Gevaña, Dixon T.
Enzyme Catalysis Robidillo, Christopher Jay Torres	Forestry Pulhin, Florencia B. Puno, George R.
Epidemiology Amit, Arianna Maeвер Loreche Mirasol-Lumague, Maria Rica Razonable, Raymund R. Redaniel, Maria Theresa Saniel, Ofelia Pardo Sevilleja, Jesus Emmanuel Allas Dalope	Frogs Ates-Camino, Fritzie
Evidence Synthesis Amit, Arianna Maeвер Loreche	Gender and Democatization Atienza, Maria Ela L.
Evolutionary Parasitology Paller, Vachel Gay V.	General Infectious Diseases Razonable, Raymund R.
External Eye Diseases and Infection Agahan, Archimedes Lee D.	Genetics Cordero, Cynthia P.
Eye Diseases Agahan, Archimedes Lee D.	Geoecology Crisologo, Irene
Eye Surgery Agahan, Archimedes Lee D.	Geoinformatics Santillan, Jojene R.
Fish Parasitology Paller, Vachel Gay V.	Geomorphology Puno, George R.
Food Parasitology Paller, Vachel Gay V.	Gerontology Cuadro, Carla Krishan A.
	GIS Castillo, Jose Alan A. Puno, George R. Santillan, Jojene R.
	Good Governance Ibañez, Jayson Carungay

Health Care Management	Human Security
Guinto, Ramon Lorenzo Luis Rosa	Atienza, Maria Ela L.
Nañagas, Juan Maria Pablo R.	
Health Equity	Hybrid Materials
Guinto, Ramon Lorenzo Luis Rosa	Regulacio, Michelle D.
Health Inequality	Hydrology
Redaniel, Maria Theresa	Puno, George R.
	Santillan, Jojene R.
Health Promotion	Hygiene
Guinto, Ramon Lorenzo Luis Rosa	Saniel, Ofelia Pardo
Healthcare Education	Image Processing
Leyritana, Katerina Tolentino	Soriano, Maricor
Healthcare Management	Immunology
Leyritana, Katerina Tolentino	Razonable, Raymund R.
Helminthology	Indigenous Cultures
Paller, Vachel Gay V.	Ibañez, Jayson Carungay
Herpetology	Indigenous Knowledge Systems
Delima-Baron, Elsa May	Ibañez, Jayson Carungay
Ates-Camino, Fritzie	
HIV	Indigenous People
Leyritana, Katerina Tolentino	Ibañez, Jayson Carungay
Horticulture	Industrial Engineering
Bernardo, Emmanuel L.	Fernandez, Glenn Fiel
Hospital Charges	Infection Control
Nañagas, Juan Maria Pablo R.	De Mesa-Rodriguez, Roslyn
Hospital Epidemiology	Infectious Diseases
De Mesa-Rodriguez, Roslyn	Leyritana, Katerina Tolentino
	Salamat, Maria Sonia S.
Hospital Management	Information Systems (Business Informatics)
Nañagas, Juan Maria Pablo R.	Mendiola, Rikki Lee Bosita
Hospitals	Inorganic Chemistry
Nañagas, Juan Maria Pablo R.	Regulacio, Michelle D.
Host-Parasite Interactions	Insect Distribution
Paller, Vachel Gay V.	Mohagan, Alma Baguhin
Human Height	Insect Diversity
Lasco, Paul Gideon D.	Mohagan, Alma Baguhin

Insect Ecology	Mohagan, Alma Baguhin	Medical Malacology	Leonardo, Lydia R.
Insect Taxonomy	Mohagan, Alma Baguhin	Medical Science Nursing	Paguio Jenniffer Torralba
Internal Audit	Fernandez, Glenn Fiel	Medical Sociology	Guinto, Ramon Lorenzo Luis Rosa
Internal Medicine	Razonable, Raymund R. Salamat, Maria Sonia S.	Medical Statistics	Cordero, Cynthia P.
Internal Medicine (General Medicine)	Leyritana, Katerina Tolentino	Medical Technology	Pasco, Paul Matthew D.
Invertebrate Zoology	Mohagan, Alma Baguhin	Medicine	Cordero, Cynthia P. De Mesa-Rodriguez, Roslyn
Lakes	Paller, Vachel Gay V.	Memory	Cuadro, Carla Krishan A.
Learning and Memory	Cuadro, Carla Krishan A.	Meta-Analysis	Espiritu, Adrian Isidoro
Linnaean Taxonomy	Medina, Milton Norman Dejadena	Meteorology	Crisologo, Irene
Local Governance	Atienza, Maria Ela L.	Microbiology	Trinidad, Camille V.
Logistics Management	Fernandez, Glenn Fiel	Mild Cognitive Impairment	Cuadro, Carla Krishan A.
Machine Learning	Soriano, Maricor	Molecular Biology	Cordero, Cynthia P. Medina, Milton Norman Dejadena Sevilleja, Jesus Emmanuel Allas Dalope
Mangrove Blue Carbon	Castillo, Jose Alan A.	Molecular Typing	De Mesa-Rodriguez, Roslyn
Mangrove Ecology	Castillo, Jose Alan A.	Monitoring and Evaluation	Nañagas, Juan Maria Pablo R.
Material Characterization	Robidillo, Christopher Jay Torres	Nanomaterial Synthesis	Regulacio, Michelle D. Robidillo, Christopher Jay Torres
Materials Chemistry	Regulacio, Michelle D.		
Medical Anthropology	Lasco, Paul Gideon D.		

Nanoparticle synthesis
Regulacio, Michelle D.

Nanotechnology
Regulacio, Michelle D.
Robidillo, Christopher Jay Torres

Natural Resource Management
Pulhin, Florencia B.
Puno, George R.

Neurological Diseases
Pasco, Paul Matthew D.

Neurology
Pasco, Paul Matthew D.

Neuromyelitis Optica
Espiritu, Adrian Isidoro

Noncommunicable Diseases
Lasco, Paul Gideon D.
Mercado, Susan Pineda

Nursing
Paguio Jenniffer Torralba

Nursing Education
Paguio Jenniffer Torralba

Odonata
Cano-Mangaoang, Cherie

Oncology
Mirasol-Lumague, Maria Rica

Ophthalmology
Datiles, Manuel Antonio
Bernaldes, III
Agahan, Archimedes Lee D.

Optics
Soriano, Maricor

Organic Chemistry
Robidillo, Christopher Jay Torres

Organic Synthesis
Robidillo, Christopher Jay Torres

Parasite Biology
Paller, Vachel Gay V.

Parasite Culture
Paller, Vachel Gay V.

Parasite Ecology
Paller, Vachel Gay V.

Parasitology
Leonardo, Lydia R.
Paller, Vachel Gay V.

Parkinson's Disease
Cuadro, Carla Krishan A.

Patient Safety
Paguio Jenniffer Torralba

Patient Safety Culture
Paguio Jenniffer Torralba

Phacoemulsification
Agahan, Archimedes Lee D.

Physics
Soriano, Maricor

Plant Physiology
Bernardo, Emmanuel L.

Plant Taxonomy
Cano-Mangaoang, Cherie

Plant Tissue Culture
Bernardo, Emmanuel L.

Politics of Health Care
Lasco, Paul Gideon D.

Primary Care
Guinto, Ramon Lorenzo Luis Rosa

Prognostic Markers
Mirasol-Lumague, Maria Rica

Psychiatry
Leyritana, Katerina Tolentino

Public Health

Amit, Arianna Maever Loreche
Cordero, Cynthia P.
Guinto, Ramon Lorenzo Luis Rosa
Lasco, Paul Gideon D.
Leonardo, Lydia R.
Mercado, Susan Pineda
Paller, Vachel Gay V.
Pasco, Paul Matthew D.
Razonable, Raymund R.
Saniel, Ofelia Pardo

Public Management

Fernandez, Glenn Fiel

Public Policy Analysis

Nañagas, Juan Maria Pablo R.

Qualitative and Multi-method research

Mendiola, Rikki Lee Bosita

Qualitative Social Research

Ibañez, Jayson Carungay
Mendiola, Rikki Lee Bosita

Quantitative Social Research

Alampay, Erwin Gaspar A.

Quantum Dots

Regulacio, Michelle D.

Remote Sensing

Crisologo, Irene
Santillan, Jojene R.

Remote Sensing of Environment

Castillo, Jose Alan A.

Reptiles

Ates-Camino, Fritzie

Rural, Local, & Community Development

Ibañez, Jayson Carungay

Satellite Remote Sensing

Castillo, Jose Alan A.

Schistosomiasis

Leonardo, Lydia R.

Semiconductor

Regulacio, Michelle D.

Silviculture and Forest Influences

Pulhin, Florencia B.

Smoking cessation

Mercado, Susan Pineda

Social Epidemiology

Guinto, Ramon Lorenzo Luis Rosa

Social Policy

Alampay, Erwin Gaspar A.
Nañagas, Juan Maria Pablo R.

Soil-Transmitted Helminthiases

Leonardo, Lydia R.

Somatic Embryogenesis

Bernardo, Emmanuel L.

Species Diversity

Ibañez, Jayson Carungay

Surface Modification

Robidillo, Christopher Jay Torres

Sustainability Science

Fernandez, Glenn Fiel

Sustainable Development

Medina, Michael Arie Padang

Systematic Reviews

Espiritu, Adrian Isidoro

Systematics

Delima-Baron, Elsa May
Cabras, Analyn Anzano

Systematics (Taxonomy)

Mohagan, Alma Baguhin

Taxonomy

Medina, Milton Norman Dejadena

Telehealth

Pasco, Paul Matthew D.

Terrestrial Wildlife Ecology
Ates-Camino, Fritzie

Tissue Culture
Bernardo, Emmanuel L.

Tobacco dependence
Mercado, Susan Pineda

Transformative Education
Medina, Milton Norman Dejadena

Transplant
Razonable, Raymund R.

Tumor Markers
Mirasol-Lumague, Maria Rica

Urban/Rural Sociology
Mendiola, Rikki Lee Bosita

Uveitis and Ocular Immunology
Agahan, Archimedes Lee D.

Vertebrate Fauna
Mohagan, Alma Baguhin

Watershed Management
Puno, George R.

Wildlife Biology
Delima-Baron, Elsa May

Wildlife Conservation
Ates-Camino, Fritzie
Ibañez, Jayson Carungay

Zoology
Ates-Camino, Fritzie
Mohagan, Alma Baguhin
Paller, Vachel Gay V.

Zoonoses
Paller, Vachel Gay V.