

MARIE PAZ E. MORALES

ACADEMIC COMPETENCE

Professional Experiences

1996 – Present

Full Professor 6 • Philippine Normal University

Present

Director, Publication Office-Philippine Normal University
Chair, Division of Governmental, Educational and International Policies of the National Research Council of the Philippines
PhD Dissertation/Thesis Reader/Reviewer-University of Canterbury, New Zealand

2015 – Present

Editor-in-Chief: The Normal Lights
Editor-in-Chief: Asia Pacific Higher Education Research Journal
Chief Editor: Journal of Educational and Human Resource Development

1997 - present

LET Reviewer in fields of Science, Mathematics and Professional Education courses to different Review Centers.
Writer and developer of LET Review Materials

Education

2010 – 2013 **Doctor of Philosophy in Science Education, major in Physics**
Outstanding Dissertation; De La Salle University, Manila
Thesis: Culture and Language Integration in Physics Education (CLIPE)

1997 – 2003 **Master of Science Teaching, major in Physics**
with Distinction; De La Salle University, Manila
Thesis: The Enhancement of Student Concept Attainment and Student Attitude towards Science through the Integration of History and Philosophy of Science in Teaching Mechanics



Taft Avenue, Manila
1000, Metro Manila



(+63) 0917-826-2386
(02) 5317-1768 local 530



morales.mpe@pnu.edu.ph

<https://www.facebook.com/MamPaz/>

<https://www.linkedin.com/in/marie-paz-morales-39360139/>

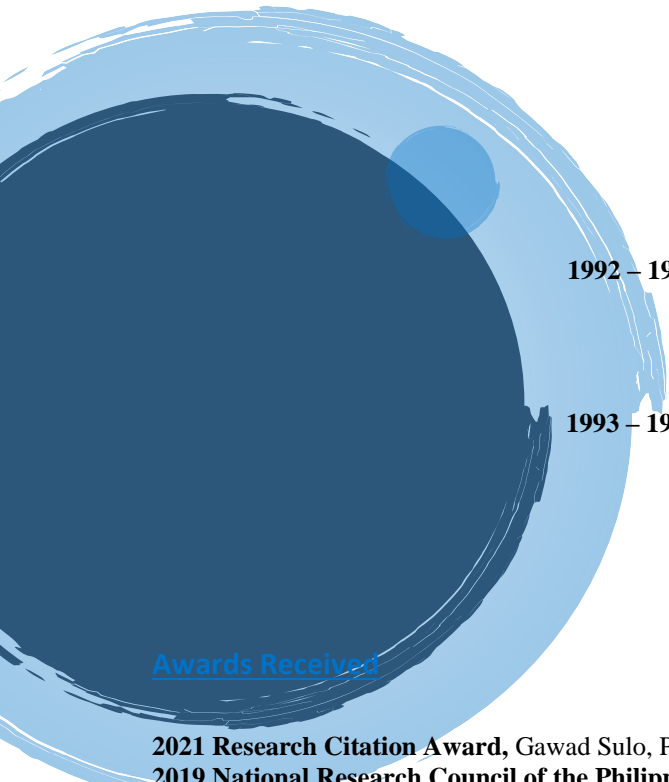
<https://orcid.org/0000-0003-3240-9436>



<http://www.scopus.com/inward/authorDetails.url?authorID=56732406100&partnerID=MN8TOARS>

<https://scholar.google.com/citations?user=qRITHh8AAA&hl=en>

<https://www.mendeley.com/authors/56732406100/>



- 1992 – 1996 Bachelor of Science in Physics Teaching (BSPT)**
Magna Cum Laude; Class Valedictorian
Philippine Normal University, Manila
Scholarship: DOST-Science Education Inst.-Project 8102 Ed
- 1993 – 1994 Computer Programming**
Computronix College – *18 units*

Awards Received

- 2021 Research Citation Award**, Gawad Sulo, Philippine Normal University
- 2019 National Research Council of the Philippines (NRCP) Achievement Award** for Division 1 (Governmental, Educational and International Policies)
- Academic Excellence**, DOST-SEI, Midas Hotel (July 2014)
- Outstanding Dissertation**, DLSU, Manila (2013)
- Best Technical Paper**, Science and Technology Congress, De La Salle University, Manila (Feb 2011)
- Recipient of ASHTRPDP DOST-SEI Scholarship
- Distinguished Teacher of the Year (Associate Professor Category)**, Philippine Normal University, June 29, 2007
- Outstanding Service Award** – PNUAA Chapter, Philippine Normal University, April 29, 2007
- Outstanding Alumni Award** – PNUAA Chapter, Philippine Normal University, March 28, 2007
- 2nd Place Outstanding Physics Teachers Award** - College Category (National Level), Sponsored by: DOST-SEI, Samahang Psisika ng Pilipinas and DIWA Learning Center, December 9, 2006
- Recognition for Achievements in the Field of Education**, De La Salle – College of St. Benilde, January 23, 2006

SCHOLARSHIP

Research Grants

- *[Collaborator] “The New Normal of Assessment in Higher Education: Capacitating HEIs to Nurture Future-Ready Human Resources,”* CHED Revised and Expanded Continuing Professional Education (RECPE) Grants.
- *[Collaborator] Educating Science Teachers for All*, Erasmus Project (European Union) grant
- *Technological-Pedagogical Assessment Content Knowledge (TPACK) in STEAM Education*, CHED Grant-in-Aid Program, 2017-2019
- *Project “LAMESA,”* January – December, 2017. University-Funded
- *Professional Practice among Basic Education Teachers through Action Research: Inputs to Policy on Teacher Professional Development*, May 2015 – May 2016. University-Funded
- *Web-based Research Management: Design and Development of a University Research Portal*, May 2015-May 2016. University-Funded

- *Gender and Culture Gap in Science and Mathematics Education*, January 2014 – December 2014. University-Funded

Research Publications

A. Scientific Articles

1. ISI and Scopus Indexed

- **Morales, M. P. E.**, Mercado, F. M., Palisoc, C. P., Palomar, B. C., Avilla, R. A., Sarmiento, C. P., Butron, B. R., & Ayuste, T. O. D. (2021). Teacher professional development program (TPDP) for teacher quality in STEAM education. *International Journal of Research in Education and Science (IJRES)*, 7(1), 188-206. <https://doi.org/10.46328/ijres.1439>
- Sarmiento, C.P.; **Morales, MPE.**; Elipane, L.E.; and Palomar, B.C., Assessment practices in Philippine higher STEAM education, *Journal of University Teaching & Learning Practice*, 17(5), 2020. Retrieved from: <https://ro.uow.edu.au/jutlp/vol17/iss5/18>
- **Morales, MPE.**, Palisoc, C., Avilla, R., Sarmiento, C., Palomar, B., & Ayuste, T.O. (2020). Self-professed proficiency of the Philippine higher education teachers of STEAM disciplines. *Philippine Journal of Science*, 149(2).
- Palisoc, C.P., Morales, M.P.E., Avilla, R.A., Ayuste, T.O., Ramos-Butron, B., & Casilla, N.A. (2020). Developing STEAM educators' proficiency scoring framework. *The Palawan Scientist*, 12. Retrieved from: http://www.palawanscientist.org/research_journals/the_palawanscientist_vol12_july2020/2_Palisoc%20et%20a1.%20Developing%20STEAM%20educators'.pdf
- Anito, J., & **Morales, M.** (2019). The pedagogical model of Philippine STEAM education: Drawing implications for the reengineering of Philippine STEAM learning ecosystem towards global competitiveness. *Universal Journal of Educational Research*, 7(12).
- **Morales, M.P.E.**, R.A., Anito, J.C., Avilla, & Palisoc, C.P. (2019, September). Letter to Editor. *Philippine Journal of Science*, 148(3), x-xi.
- **Morales, M.P.E.**, Anito, J.C., Avilla, R.A., Abulon, E.L.R. & Palisoc, C.P. (2019). Proficiency indicators for Philippine STEAM (Science, Technology, Engineering, Agri/fisheries, Mathematics) educators. *Philippine Journal of Science*, 148(2), 265-281.
- **Morales, M.P.E.**, Valenzuela, I.C., Abulon, E.L.R., Arago, N.M., Mancao, M.C.T. (2019). Coupling school risk reduction strategies with LAMESA (Life-Saving Automated "Mesa" to Endure Seismic Activity) for kindergarten. *Philippine Journal of Science*, 148(1), 137-149.
- Ganeb, M. D. & **Morales, M. P. E.** (2018). Science fluency in primary school: Student transition from Filipino to English language learning. *Issues in Educational Research*, 28(3), 596-612.
- Castro, J.A., & **Morales, M.P.E.** (2017). "Yin" in a guided inquiry Biology classroom – exploring student challenges and difficulties. *Journal of Turkish Science Education*, 14(4), 48-65.

- **Morales, M.P.E.** (2017). Cultural Historical Activity Theory (CHAT): Influenced case research of a Philippine physics class. *The Asia Pacific Education Researcher*, 26 (1-2), 85-96.
- **Morales, M.P.E.** (2017). Exploring indigenous game-based physics activities in pre-service physics teachers' conceptual change and transformation of epistemic beliefs. *EURASIA Journal of Mathematics Science and Technology Education*, 13(5), 1377-1409.
- **Morales, M.P.E.** (2017). Transitions and transformations in Philippine physics education curriculum: A case research. *Issues in Educational Research*, 27(3), 469-492.
- **Morales, M.P.E., Abulon, E., Soriano, P., David, A., Hermosisima, M., & Gerundio, M.** (2016). Examining teachers' conception of and needs on action research. *Issues in Educational Research*, 26(3), 464-489.
- **Morales, M.P.E., Avilla, R., & Espinosa, A.** (2016). Does gender inequality influence interest in pursuing a career in science or mathematics teaching. *Issues in Educational Research*, 26(1), 65-81
- **Morales, M.P.E.** (2015). Influence of culture and language sensitive physics on science attitude enhancement. *Cultural Studies of Science Education*, 10(4), 951-984.
- **Morales, M. P.E.**(2015). Exploring the impact of culture and language sensitive physics on science attitude enhancement. *Journal of Science Education and Technology*, 25(1), 34-49.

2. Non-ISI Indexed

a) International Refereed

- Roxas-Soriano, P., Morales, MPE., & Reyes, W. (2020). "Profiling the research culture of Philippine higher education institutions" in *EDUCARE: International Journal for Educational Studies*, Volume 13(1), 1-16.
- Anito, J.C., & **Morales, M.P.E.** (2019). The role of qualitative researcher in Education 4.0: Reflections from a state-funded model building qualitative research. In A. Costa, C. Brandao, & E. da Costa (Eds.), *4th World Conference on Qualitative Research 1* (pp. 337-339). Portugal: Porto. Retrieved from: <https://www.proceedings.wcqr.info/index.php/wcqr2019/article/view/309/299>.
- Dalmacio, R.C., & **Morales. M.P.** (2019). Novel written task as a formative assessment strategy in physics. Empowering Science and Mathematics for Global Competitiveness: *Proceedings of the Science and Mathematics International Conference (SMIC 2018)*, November 2-4, 2018, Jakarta, Indonesia Retrieved from: https://books.google.com.ph/books?hl=en&lr=&id=liGeDwAAQBAJ&oi=fnd&pg=PA150&ots=RxtshbIL-6&sig=v91iJpOr5JHeRijZnqZGOMrpFOo&redir_esc=y
- Baltazar, M., & **Morales. M.P.** (2019). Teacher support material in physics for the explicit-reflective instruction of the nature of science. Empowering Science and Mathematics for Global Competitiveness: *Proceedings of the Science and Mathematics International Conference (SMIC 2018)*, November 2-4, 2018, Jakarta, Indonesia Retrieved from: https://books.google.com.ph/books?hl=en&lr=&id=liGeDwAAQBAJ&oi=fnd&pg=PA150&ots=RxtshbIL-6&sig=v91iJpOr5JHeRijZnqZGOMrpFOo&redir_esc=y
- Valenzuela, I.C., Arago, N.M., Abulon, E., & **Morales, M.P.E.** (2018). Design of a Life-Saving School Desk for Kindergarten Pupils During Seismic Activity. *TENCON 2018-2018 IEEE Region 10 Conference*, (0707-0711), IEEE Retrieved from: <https://ieeexplore.ieee.org/abstract/document/8650531/>.

- Chan, J. & **Morales**, M.P.E. (2017). Investigating the effects of customized cognitive fitness classroom on students' physics achievement and integrated science process skills. *International Journal of Research Studies in Education*, 6(3), 81-95.
- **Morales**, M.P.E., & Evangelista, E.V. (2017). Tracing science education graduates. *International Journal of Research Studies in Education*, 6(2), 69-80.
- **Morales**, M.P.E. (2016). Participatory Action Research (PAR) cum Action Research (AR) in teacher professional development: A literature review. *International Journal of Research in Education and Science*, 2(1), 156-165.
- **Morales**, M.P.E., Espinosa, A., Avilla, R. (2015). Exploring gender disparities in Science and Mathematics classroom in the basic education. *International Journal of Research Studies in Education*, 5(3), 39-58.
- Carmen, M., Diano, F., **Morales**, M.P.E, E. & Ole, A. (2015). Promoting physics in action thru "Laro Ng Lahi-Based" physics activities. *International Journal of Learning and Teaching*. 7(1), 24-37.
- **Morales**, M.P.E., & Evangelista, E. (2015). Are we there yet? - Exploring on-the-job Training of the Philippine pre-service biology students. *International Journal of Biology Education*, 4(1), 44-63.
- **Morales**, M.P.E. (2014). Unorthodox process of designing culture and language sensitive curriculum material in Physics (CLS-CMIP). *Global Journal of Human-Social Science-G Linguistics and Education*, 14(9), 45-60.
- **Morales**, M. P.E.& Espinosa, A. (2014). Development and validation of observation protocol for gender equity in classroom: Towards achieving gender equality in education. *Research Journal of Social Sciences*, 8(2), 1-12.
- **Morales**, M.P. E. (2014). The impact of culture and language sensitive Physics on concept attainment. *International Journal of Learning, Teaching and Educational Research* 2(1), 1-29.
- **Morales**, M.P.E. (2014). Culture and language sensitive physics on student concept attainment. *International Journal of Learning and Teaching*. 6(1), 01-12.
- **Morales**, M.P.E. (2014). Influential factors in modeling SPARK science learning system. *International Journal of Learning, Teaching and Educational Research* 4(1), 36-50.
- **Morales**, M.P.E. (2014). Development and validation of culture-sensitive Physics learning environment survey (CS-PLES). *Cypriot Journal of Educational Sciences*, 9(2), 66-79.
- **Morales**, M.P.E. (2014). Cultural and epistemological profile of Filipino learners. *Electronic Journal of Science Education*, 18(6), 1-25.
- **Morales**, M.P. E. (2013). Culture and Language Integration in Physics Education (CLIPE)-International Association of Technology Education and Development-ISBN: 978-84-616-3847-5, ISSN: 2340-1095 pp. 5601-5611.
- **Morales**, M.P. E. (2013). Development and validation of culturally sensitive curriculum material evaluation tool (CS-CMET). *International Association of Technology Education and Development-* ISBN: 978-84-616-3847-5, ISSN: 2340-1095, 5612-5622.

b) Local Refereed

- Avilla, R.A., **Morales**, M.P.E., Anito, J.C., Sarmiento, C.P., Ayuste, T.O., Butron, B., Elipane, L., & Palomar, B.C. (2019). Enhancing technology integration practices for Philippine STEAM education. *Philippine STEAM*

Education In Focus: Policy Briefing. Retrieved from: <http://pnu-onlinecommons.org/omp/index.php/chedpnutpack/catalog/view/793/448/984-1>

- Anito, J.C., **Morales**, M.P.E., Avilla, R.A., Sarmiento, C.P., Ayuste, T.O., Butron, B., Elipane, L., & Palomar, B.C. (2019). The pedagogical model of Philippine STEAM education: Inputs towards the reengineering of Philippine STEAM ecosystem. *Philippine STEAM Education In Focus: Policy Briefing*. Retrieved from: <http://pnu-onlinecommons.org/omp/index.php/chedpnutpack/catalog/book/792>.
- Sarmiento, C.P., **Morales**, M.P.E., Avilla, R.A., Anito, J.C., Ayuste, T.O., Butron, B., Elipane, L., & Palomar, B.C. (2019). The realities of assessment in Philippine Higher STEAM Education. *Philippine STEAM Education In Focus: Policy Briefing*. Retrieved from: <http://pnu-onlinecommons.org/omp/index.php/chedpnutpack/catalog/book/792>.
- **Morales**, M.P.E., Avilla, R.A., Anito, J.C., Sarmiento, C.P., Ayuste, T.O., Butron, B., Palisoc, C., Elipane, L., & Palomar, B.C. (2019). The Philippine STEAM education through the lens of TPACK framework. *Philippine STEAM Education In Focus: Policy Briefing*. Retrieved from: <http://pnu-onlinecommons.org/omp/index.php/chedpnutpack/catalog/book/795>
- **Morales**, M.P.E., Avilla, R.A., Anito, J.C., Sarmiento, C.P., Ayuste, T.O., Butron, B., Palisoc, C., Elipane, L., & Palomar, B.C. (2019). The Philippine STEAM (PSE) models: Responsive model and emerging model for Philippine STEAM Education. *Philippine STEAM Education In Focus: Policy Briefing*. Retrieved from: <http://pnu-onlinecommons.org/omp/index.php/chedpnutpack/catalog/book/794>
- **Morales**, M.P.E., Avilla, R.A., Anito, J.C., Sarmiento, C.P., Ayuste, T.O., Butron, B., Palisoc, C., Elipane, L., & Palomar, B.C. (2019). The Philippine STEAM teacher quality. *Philippine STEAM Education In Focus: Policy Briefing*. Retrieved from: <http://pnu-onlinecommons.org/omp/index.php/chedpnutpack/catalog/book/796>
- **Morales**, M.P.E. (2019). Education under FIRE. *The Normal Lights* 13(1). Retrieved from: <http://po.pnuresearchportal.org/ejournal/index.php/normallights/article/view/1238/398>.
- Lazara, Z., **Morales**, M.P.E. (2018). Exploring teachers' beliefs and science curricular alignment: cases of senior high school Philippine STEM teachers. *Journal of Educational and Human Resource Development*, 6, 120-132.
- **Morales**, M.P.E. (2018). Education for the generation z. *The Normal Lights* 12(2). Retrieved from: <http://po.pnuresearchportal.org/ejournal/index.php/normallights/article/view/1013/380>.
- **Morales**, M.P.E. (2018). Towards education 4.0. *The Normal Lights* 12(1). Retrieved from: <http://po.pnuresearchportal.org/ejournal/index.php/normallights/article/view/770/381>.
- **Morales**, M.P.E., Canindo, R. (2017). Conjoining Teaching Techniques to Enhance Learners' Multiplication Skills. *PRISM*, 22(2), 1-12.
- Constantino, R.S., **Morales**, M.P.E., Avilla, R.A. (2017). Influence of physical activities to science performance. *Asia Pacific Journal of Multidisciplinary Research*, 5(4), 72-82.
- **Morales**, M.P.E., Abulon, E.L.R., Ermita, R.C., David, A.P. (2017). Organizing and systematizing knowledge management through an automated university-based research portal. *Asia Pacific Journal of Multidisciplinary Research*, 5(3), 16-26.
- **Morales**, M.P.E. (2017). On quality assurance in education. *The Normal Light*, 11(2). Retrieved: <http://po.pnuresearchportal.org/ejournal/index.php/normallights/article/view/540/382>.
- Ocampo, C.A., de Mesa, D.M., Ole, A.F., Auditor, E., **Morales**, M.P.E., Sia, S.R., & Palomar, B. (2015). Development and evaluation of physics microlab (P6- μ Lab) kit. *The Normal Light*, 9(1), 134-157.

- **Morales, M.P. E.** (2014). Modeling SPARK integration in science classroom. *Asia Pacific Journal of Multidisciplinary Research* 2(1), 30-36.
- **Morales, M.P.E.** (2014). Non-traditional design and development of culture and language sensitive – curriculum material evaluation tool. *Asia Pacific Journal of Education, Arts and Sciences*, 1(2), 26-36.
- **Morales, M.P.E.** (2014). What's with water softeners. *Sci -Tech* 8, 27(5), ISSN 0116-5682
- **Morales, M.P.E.** (2014). Broadband and beyond. *Sci -Tech IV*, 27(6), ISSN 0116-5704
- **Morales, M.P.E.** (2014). Robots in medicine. *Sci -Tech IV*, 27(7), ISSN 0116-5704
- **Morales, M.P. E.** (2013). Non-conventional processes in the development of culturally-sensitive curriculum material evaluation tool (CS-CMET). *The Normal Lights*, 7(1), 16-30.
- **Morales, M.P.E.** (2012). Development and validation of a concept test in introductory physics for biology students, *The Manila Journal of Science*, 7(2), 26-44.

B. Refereed Scientific Books

1. Full Book

a) National

- Datukan, JT., Garcia, GS., **Morales** , MPE., Ocampo, CA. (2017). *Mixploring Science 7*. Quezon City, Philippines: Vibal Group, Inc.
- Datukan, JT., Garcia, GS., **Morales** , MPE., Ocampo, CA. (2017). *Mixploring Science 8*. Quezon City, Philippines: Vibal Group, Inc.
- Datukan, JT., Garcia, GS., **Morales** , MPE., Ocampo, CA. (2017). *Mixploring Science 9*. Quezon City, Philippines: Vibal Group, Inc.
- Datukan, JT., Garcia, GS., **Morales** , MPE., Ocampo, CA. (2017). *Mixploring Science 10*. Quezon City, Philippines: Vibal Group, Inc.
- Datukan, JT., Garcia, GS., **Morales** , MPE., Ocampo, CA. (2017). *Mixploring Science 7* (Teacher's Guide). Quezon City, Philippines: Vibal Group, Inc
- Datukan, JT., Garcia, GS., **Morales** , MPE., Ocampo, CA. (2017). *Mixploring Science 8* (Teacher's Guide). Quezon City, Philippines: Vibal Group, Inc
- Datukan, JT., Garcia, GS., **Morales** , MPE., Ocampo, CA. (2017). *Mixploring Science 9* (Teacher's Guide). Quezon City, Philippines: Vibal Group, Inc
- Datukan, JT., Garcia, GS., **Morales** , MPE., Ocampo, CA. (2017). *Mixploring Science 10* (Teacher's Guide). Quezon City, Philippines: Vibal Group, Inc
- Campo, P.C., Chavez, M.R., Catalan, M.H., Catris, L.V., Ferido, M.B., Fontanilla, I.K., Jacqueline Gutierrez, R.M., Jusayan, S., Mantala, M. A., Maramag, C., **Morales** , M.P.E., Obille, E.C., Paningbatan, D., Pasamonte, G.F., Sebastian, M.D.O., Tan, R., & Treyes, R.S. (2013). *Grade 8 Science Learner's Material*. Department of Education-Instructional Materials Council Secretariat (DepEd-IMCS), Manila, Philippines

- Campo, P.C., Chavez, M.R., Catalan, M.H., Catris, L.V., Ferido, M.B., Fontanilla, I.K., Jacqueline Gutierrez, R.M., Jusayan, S., Mantala, M. A., Maramag, C., **Morales**, M.P.E., Obille, E.C., Paningbatan, D., Pasamonte, G.F., Sebastian, M.D.O., Tan, R., & Treyes, R.S. (2013). *Grade 8 Science Teacher's Guide*. Department of Education-Instructional Materials Council Secretariat (DepEd-IMCS).
- Asuncion, A.J., Catris, L.V., Maramag, C.M., & **Morales**, M.P.E. (2012). *Grade 7 Science Learner's Material*. Department of Education-Instructional Materials Council Secretariat (DepEd-IMCS)
- Peñaflores, A., Paquingan, A.R., **Morales**, M.P.E., Ocampo, J.M. (2008). *Computer Adventure Series 5: Internet Fundamentals and Web Page Design*. Quezon City, Philippines: Vibal Group, Inc.
- Lee, A., Nueva Espana, R., Santiago, F., **Morales**, M.P.E., Mantua, M.R., Lindio-Dorado, S. (2005). *Science Plus More Series Grade 5 (Text Book)*. Quezon City: SIBS Publishing House, Quezon City
- Lindio-Dorado, S., Lim, R.SP., Nueva Espana, R., Orleans, A.V., **Morales**, M.P.E., Ungson, O. (2006). *Science Plus More Series Grade 6 (Text Book)*. Quezon City: SIBS Publishing House, Quezon City
- Lindio-Dorado, S., Apostol, J., **Morales**, M.P.E., Nacua, A. (2006). *Science Plus More Series Grade 4 (Teacher's Guide)*. Quezon City: SIBS Publishing House, Quezon City
- Lee, A., Nueva Espana, R., Santiago, F., **Morales**, M.P.E., Mantua, M.R., Lindio-Dorado, S. (2006). *Science Plus More Series Grade 5 (Teacher's Guide)*. Quezon City: SIBS Publishing House, Quezon City
- Lindio-Dorado, S., Lim, R.SP., Nueva Espana, R., Orleans, A.V., **Morales**, M.P.E. Ungson, O. (2006). *Science Plus More Series Grade 6 (Teacher's Guide)*. Quezon City: SIBS Publishing House, Quezon City
- Lindio-Dorado, S., Apostol, J., **Morales**, M.P.E., Nacua, A., Mantua, M. (2006). *Science Plus More Series Grade 4 (Activity Book)*. Quezon City: SIBS Publishing House, Quezon City
- Lee, A., Nueva Espana, R., Santiago, F., **Morales**, M.P.E., Mantua, M., Lindio-Dorado, S. (2006). *Science Plus More Series Grade 5 (Activity Book)*. Quezon City: SIBS Publishing House, Quezon City
- Lindio-Dorado, S., Lim, R.SP., Nueva Espana, R., Orleans, A.V., **Morales**, M.P.E., Ungson, O. (2006). *Science Plus More Series Grade 6 (Activity Book)*. Quezon City: SIBS Publishing House, Quezon City
- Apostol, J., Catris, L., Corpuz, A., Dayao, A., **Morales**, M.P.E., Nueva Espana, R., Orleans, A.V., Reyes, R., Sotto, R. (2001). *Worktext in Physical Science*, Manila, Philippines. Department of Physical Sciences, Philippine Normal University.

2. Book Chapter

a) International

- **Morales**, M.P.E. (2019). Participatory action research (PAR) in education. In C. Mertler (Ed.), *The Wiley Handbook of Action Research in Education* (317-341). New Jersey: John Wiley & Sons, Inc.

b) National

- **Morales**, MPE. (2013). Physical Quantities and Vectors. In *A Reviewer for the Licensure Examination for Teachers*. Manila, Philippines: Philippine Normal University Press.

- **Morales**, MPE. (2013). *Astronomy. In A Reviewer for the Licensure Examination for Teachers*. Manila, Philippines: Philippine Normal University Press.
- **Morales**, MPE. et. al., (2013). *Syensiya-Bilidad (Enrichment Program to Improve the Quality of Feeders to S & T Human Resource Development-Developing One's Skills in Test-Taking)*. Bicutan, Taguig City, Philippines: Department of Science and Technology-Science Education Institute

C. Manuals/ Handbooks Monographs

- **Morales** , MPE., Casilla, N., Purificacion, P.M., Galit, S.J., Septimo, C.A., Llamera, E.J., Tenorio, E.D., Sapino, JP., Pontanilla, K.D., Rantael, M.L., Majul, M., San Tabo, R., Villocillo, R., Alimboyong, S.J., Ojastro, S.J., Jandusay, S.M. , (2019). *Philippine Normal University ISO 9001:2015 Technical Report*. Manila, Philippines: Philippine Normal University Press.
- **Morales** , MPE., Casilla, N., Purificacion, P.M., Galit, S.J., Salimo, Casilla, N.A., C.P.B., Septimo, C.A., Tenorio, E.D., Pontanilla, K.D., Cruz, N.A.R., Causarin, J.V., San Tabo, R., Ojastro, S.J. (2019). *Philippine Normal University Program Accreditation Level 4*. Manila, Philippines: Philippine Normal University Press.
- **Morales** , MPE., David, D., Galit, S.J., Purificacion, P.M., Cruz, N.A., Salimo, C., Majul, M., Dalida, N. (2019). *Philippine Normal University-Publications Office Research Capability Building (Technical Report)*. Manila, Philippines: Philippine Normal University Press.
- **Morales** , M.P.E., Anito, J.C., Jr., Avilla, R.A., Sarmiento, C.P., Palisoc, C.P., Elipane, L.E., Ayuste, T.O.D., Butron, B.R., & Palomar, B.C., Casilla, N.A., Bornales, J.B., Prudente, M.S., Nepomuceno, C.T., Viray, K.R., Villanueva, R.M.R., Padama, A.A.B., Alcantara, E.C., Mercado, F.M., Sagun, R.D., Bernarte, R.P., & Pagkatipunan, P.M.N. (2019). *TPACK in Philippine STEAM Education*. Manila, Philippines: Philippine Normal University Press.
- **Morales** , M.P.E., Anito, J.C., Jr., Avilla, R.A., Sarmiento, C.P., Palisoc, C.P., Elipane, L.E., Ayuste, T.O.D., Butron, B.R., & Palomar, B.C., Casilla, N.A., Bornales, J.B., Prudente, M.S., Nepomuceno, C.T., Viray, K.R., Villanueva, R.M.R., Padama, A.A.B., Alcantara, E.C., Mercado, F.M., Sagun, R.D., Bernarte, R.P., & Pagkatipunan, P.M.N. (2019). *Technical Report: TPACK in Philippine STEAM Education*. Manila, Philippines: Philippine Normal University Press.
- **Morales** , M.P.E., Anito, J.C., Jr., Avilla, R.A., Sarmiento, C.P., Palisoc, C.P., Elipane, L.E., Ayuste, T.O.D., Butron, B.R., & Palomar, B.C. (2019). *The Philippine STEAM (Science, Technology, Engineering, Agri/Fisheries, Mathematics) Education Model*. Manila, Philippines: Philippine Normal University Press.
- **Morales**, M.P.E., Abulon, E., Anito, J.C., Jr., Avilla, R.A., Sarmiento, C.P., Palisoc, C.P., Casilla, N.A. (2018). *TPACK in Philippine STEAM Education: Graduate Mentoring Handbook 2018*. Manila, Philippines: Philippine Normal University Press.
- **Morales** , MPE., Casilla, N., Purificacion, P.M., Galit, S.J., Septimo, C.A., Llamera, E.J., Tenorio, E.D., Sapino, JP., Pontanilla, K.D., Rantael, M.L., Majul, M., San Tabo, R., Villocillo, R., Alimboyong, S.J., Ojastro, S.J., Jandusay, S.M. (2018). *Philippine Normal University ISO 9001:2015 Technical Report*. Manila, Philippines: Philippine Normal University Press.
- **Morales**, MPE., Ancho, I., Galit, S.J., Gonzaga, C., Losbanes, M.G., Purificacion, P. (2018). *PNU- Publication Office Technical Report (Online Commons)*. Manila, Philippines: Philippine Normal University Press.

- Fulgencio, A., David, A., Tampus-Siena, M., Reyes, Z., Rungduin, T., Zulieta, N., Gutierrez, M., Barrameda, C., Raymundo, M.C., Montebon, D.R., Cambangan, L., Ongleo, M., Roxas, M., **Morales**, MPE., Bagaporo, R., Cerbo, S., Obias, PH., Malcampo, M.C., Butron, B., Zabala, MJ., Lee, A.K. (2017). *Philippine Normal University-Graduate Student Handbook*. Manila, Philippines: Philippine Normal University Press.
- Abulong, E., David, A., Hermosisima, M., **Morales**, M.P.E., Soriano, P. (2016). *Professional Practice among Basic Education Teachers through Action Research*. Manila, Philippines: Philippine Normal University Press.
- Oxiño, RV., Soriano, PR., Bedural, ZL., Abulon, EL., **Morales**, MPE., Hermosisima (2016). *Development of Harmonized Framework For The Trilogic Functions Of The University: Research, Instruction And Extension (A Round Table Discussion)*. Manila, Philippines: Philippine Normal University Press.
- **Morales**, MPE., Abulon, E., David, D., Ormita, R. (2016). *Web-based Research Management: Design and Development Of A University Research Portal*. Manila, Philippines: Philippine Normal University Press.
- **Morales**, MPE. (2016). *Learning Pack 3: Assessment (K-12 Curriculum)*. Philippines, Rex Book Store, Inc.
- **Morales**, MPE. (2016). *Learning Pack 2: PCK in Science (K-12 Curriculum)*. Philippines, Rex Book Store, Inc.
- **Morales**, MPE et al., (2016). *Procedure Manual for Publication Office (2016)*. Manila, Philippines: Philippine Normal University Press.
- **Morales**, MPE., Ancho, I., Galit, S.J., Gonzaga, C., Losbanes, M.G., Purificacion, P., Bayten, E. (2016). *Technical Report for Asia Pacific Higher Education Research Journal Volume 4, Issue No. 2*. Manila, Philippines: Philippine Normal University Press.
- **Morales**, MPE., Ancho, I., Galit, S.J., Gonzaga, C., Losbanes, M.G., Purificacion, P. (2016). *Technical Report for The Normal Lights (Journal on Education and Teacher Education, Volume 11, Issue No. 2)*. Manila, Philippines: Philippine Normal University Press
- Catris, L., Corpuz, A., Corpuz, E., Duad, V., Follosco, G., Escano, M.P., Salmorin, L., Sotto, R. (1999). *Laboratory Manual in Mechanics I*, Manila, Philippines. Department of Physical Sciences, Philippine Normal University
- Corpuz, A., Corpuz, E., Duad, V., Follosco, G., Escano, M.P., Salmorin, L., Sotto, R. (1999). *Laboratory Manual in Mechanics II (Rotational Mechanics)*, Manila, Philippines. Department of Physical Sciences, Philippine Normal University
- **Morales**, MPE. (2013). *Laboratory Manual in S-PHY-15 (Waves and Optics)*. Manila, Philippines. Department of Physical Sciences, Philippine Normal University. Retrieved from: <http://pnu-onlinecommons.org/omp/index.php/pnu-oc/catalog/book/21>

List of Speakership and Other Research Engagement

- **Webinar Resource Speaker** [President Ramon Magsaysay State University] Preparation of Publishable Research Paper to Refereed Journals, September 2-3, 2021.
- **Webinar Resource Speaker** [Philippine Science High School-Ilocos Campus] In-service Training: Researching Remote Education (with Action Research). August 19, 2021.

- **Webinar Resource Speaker** [Bicol State College of Applied Science and Technology], Writing Proposals for Grants, August 2-4, 2021.
- **Webinar Resource Speaker** [Department of Education-Bureau of Learning Delivery-Student Inclusion Division (BLD-SID)], Teaching Science Research, July 12-16, 2021.
- **Webinar Resource Speaker** [Department of Education -Schools Division Office-Quezon city], Research Utilization. July 9, 2021
- **Webinar Resource Speaker** [Visayas State University], Online Journal Management. July 7, 2021
- **Webinar Resource Speaker** [Bicol State College of Applied Science and Technology]. Online Journal Management, June 29, 2021.
- **Webinar Resource Speaker** [Bulacan State University], Education Research in the New Normal. June 4, 2021
- **Webinar Resource Speaker** [DOST-STII, DOST Region 3 and DepEd Region 3. Tips and Tricks in Publishing Action Research Paper. May 14, 2021.
- **Webinar Resource Speaker** [PNU- Extension Program of CGSTER, Research, Module Writing and Mentoring (E-REWRIMEN)]. Action Research Manuscript Preparation and Publication. May 3, 2021
- **Webinar Resource Speaker** (Philippine Science High School-MIMAROPA Campus). Processing and Interpreting Data and Publishing Results on Action Research, April 30, 2021.
- **Webinar Resource Speaker** (PNU-Mindanao). Peer Review Process, April 15, 2021.
- **Webinar Resource Speaker** (PNU-South Luzon). Editor's Collective on Journal Management, April 14, 2021.
- **Webinar Resource Speaker** (Department of Education-SDO Quezon City). Seminar Workshop: Research Mentoring and Sharing, April 8, 2021.
- **Webinar Resource Speaker** (PNU-Mindanao). Seminar Workshop: Setting Up and Managing an Online Journal; and Peer Review Process, April 6, and 15, 2021
- **Webinar Resource Speaker** (PNU-South Luzon). Seminar Workshop: Journal Management, April 14, 2021
- **Webinar Resource Speaker** (DepEd SDO Quezon City). 2021 1st Quarter Research Connect (Professional Learning Engagement of Division and School Research Manages: Research Mentoring and Management, April 8, 2021
- **Webinar Resource Speaker** (PNU-Manila). Writing for Publication Part 1: Planning 101 (Preparing for the Writing Process, March 18, 2021
- **Plenary Speaker** (6th Regional Conference on Promoting World Class Education-hosted by Bicol University), Publication Options and Pointers for Teacher-Researchers, March 16, 2021.
- **Plenary Speaker** (6th Regional Conference on Promoting World Class Education-hosted by Bicol University), Opportunities for Research During the Pandemic, March 15, 2021.
- **Webinar Resource Speaker** (Manuel S. Enverga University Foundation). Online Workshop on Writing for Publication, March 5, 2021.
- **Webinar Resource Speaker** (PNU-Mindanao). Training Workshop on Translating Thesis into Publishable Research Articles (Adviser-Advisee Tandem), March 4, 17, 31, 2021.

- **Keynote Speaker** (Philippine Association of Researchers for Tourism and Hospitality) Joint International Tourism and Hospitality Annual Research Convention and the International Annual Tourism and Hospitality Student Research Conference, February 26, 2021.
- **Webinar Resource Speaker** (Technological University of the Philippines, College of Science). Philippine STEAM Education Model, February 19, 2021.
- **Webinar Resource Speaker** (PNU-North Luzon). Seminar Workshop on Journal Publication, February 16, 2021
- **Webinar Resource Speaker** (PNU-North Luzon). Writing a Research Report and Preparing for a Research Defense, January 22, 2021
- **Trainor** (JRMSU) on Development of Action Research Proposals, December 17-18, 2020
- **Webinar Speaker** (PNU-CFLEx): Action Research. November 20, 2020
- **Webinar Speaker and Facilitator** (Division of City Schools Quezon City, Department of Education, Research Flexi. October 17, November 6, 20, 26, 27, 2020.
- **Webinar Speaker** (PNU-North Luzon). Research Ethics and Processes in the New Normal. September 11, 2020.
- **Webinar Speaker** (Biology Teachers Association of the Philippines). Notes on Teaching and Learning in the New Normal. September 4, 2020.
- **Webinar Speaker and Workshop Facilitator** (Philippine Science High School System). Training Workshop on Action Research August 20, 2020.
- **Webinar Speaker** (Manuel S. Enverga University Foundation). Notes on Blended Learning: The How's and the Why's. July 21, 2020
- **Webinar Speaker** (Technological University of the Philippines). Research Methodologies. July 2, 2020.
- **Webinar Speaker** (PHERC), Publication 101. June 29, 2020.
- **Webinar Speaker** (Technological University of the Philippines). Introduction to Research Publication. June 25, 2020.
- **Webinar Speaker (C&E Publication)**. Insights on Blended Learning: Inputs from TPACK in Philippine STEAM Education. May 20, 2020
- **Keynote Speaker**. Strengthening Professionalism through Research. TALAMITAN 2019. Philippine Normal University, Manila. October 22, 2019.
- **Keynote Speaker and In-House Reviewer**. DARE TO Project Conference and In-House Review. Manuel S. Enverga University Foundation. October 5-6, 2019.
- **Conference Speaker**. 2019 Asia Pacific Consortium of Researchers and Educators (APCORE) Convention and International Conference. September 18-20, 2019.
- **Keynote Speaker**. Strengthening Professionalism through Research. TALAMITAN 2019. Philippine Normal University, Manila. October 22, 2019.
- **Keynote Speaker and In-House Reviewer**. DARE TO Project Conference and In-House Review. Manuel S. Enverga University Foundation. October 5-6, 2019.
- **Conference Speaker**. 2019 Asia Pacific Consortium of Researchers and Educators (APCORE) Convention and International Conference. September 18-20, 2019.
- **Panel Member**. Technological University of the Philippines Colloquium (for Faculty) on July 19, 2019.
- **Resource Speaker**. Polytechnic University of the Philippines' (PUP's) Pathways to Refereed Journal Publication in the Field of Education and Social Sciences on July 15-17, 2019.
- **Research Panel**. Mid-year In-House Review of Completed Researches. Tarlac State University. June 14, 2019

- **Resource Speaker.** Training Workshop on Action Research and Writing for Publication. Isabela State University. May 28-30, 2019
- **Keynote Speaker.** 11th Research Colloquium titled, Research and FIRE. Manuel S. Enverga University. May 17, 2019
- **Resource Speaker.** Training Workshop on Writing for Publication. Southern Luzon State University. April 13, 2019
- **Resource Person.** Training-Workshop on Writing for Publication. Manuel S. Enverga University Foundation. March 16, 2019
- **Resource Speaker.** STEM Pre-Service Teachers Conference (Theme: Innovative Responses to Challenges in STEM Education). PNU-Manila. November 29, 2018.
- **Resource Speaker.** 2nd National Workshop on Research in Physical Education: “Revolutionizing Research in Physical Education towards Social Transformation” by the National Council for Physical Educators of the Philippines (NCPEP) Inc. October 26-28, 2018.
- **Resource Speaker.** Training on Action Research for Quality Teaching in Higher Education (Analyzing the Meaning of Data and Drawing Conclusions and Reporting and Sharing the Findings). Tarlac Agricultural University. October 26, 2018.
- **Plenary Lecturer.** National Research Conference on Education for S.T.E.A.M (Science, Technology, Engineering, Agriculture-Fisheries, Mathematics). Century Park Hotel, Manila. September 26-27, 2018
- **Speaker.** A Training Workshop: pathways to Refereed Journal Publication in the Field of Education and Social Sciences. Polytechnic University of the Philippines. August 14-16, 2018
- **Resource Speaker.** Training-Workshop on Writing for Publication. Manuel S. Enverga University, Lucena City. June 11, 2018.
- **Resource Speaker.** 2018 Summer In-Service Training. Mindoreño Hotel and Restaurant, Mamburao, Occidental Mindoro. May 24, 2018.
- **Resource Speaker.** Seminar-Workshop on Research and Publication. Tarlac State University. May 8-9, 2018
- **Resource Speaker.** Capability Enhancement Seminar-Workshop on Conducting Action Research. Cavity State University. April 12, 2018.
- **Resource Speaker.** Research and Development Capability Program and In-House Review. PNU-Mindanao. April 3-5, 2018.
- **Resource Speaker.** Seminar-Workshop on Writing for Publication. Manuel S. Enverga University Foundation. February 24, 2018.
- **Resource Speaker.** Academic Visit of Tarlac State University: Discussion on the best practices of PNU in terms of Research and Publication. PNU-Manila. February 23, 2018.
- **Speaker,** Advancement of Science, Technology and Mathematics Education and Research for Filipino Welfare, Philippine Normal University, Manila, February 1, 2018.
- **Resource Speaker.** Publication Writing. 2018 FSTeM Week Celebration. (Theme: Advancement of Science, Technology, and Mathematics Education and Research for Filipino Welfare. January 31, 2018.
- **Resource Speaker.** Pioneering an Excellent Research Culture (1st Research Writeshop). Universidad de Manila. January 28, 2018.
- **Speaker,** Seminar Workshop on Research Publication of the Unibersidad De Manila (Participating University of our CHED-Funded Project, TPACK in STEAM Education), Philippine Normal University, Manila, January 18, 2018
- **Resource Person.** Training-Workshop on Writing for Publication. Manuel S. Enverga University Foundation. January 3-4, 2018.
- **Resource Speaker.** Writing for Quality Publication. Marikina Polytechnic College. November 24, 2017.

- **Speaker**, Scientific Writing for Funding and Journal Publication. Philippine Normal University.-Visayas, Cadiz City, Philippines, November 17, 2017.
- **Resource Person**. Training on Scientific Writing for Funding and Journal Publication. Philippine Normal University-Mindanao. October 27, 2017.
- **Resource Speaker**. Writing for Quality Publication (Theme: Creating New Pathways through Research for Higher Education Competitiveness). 2017 International Higher Education Research Forum. August 23-25, 2017.
- **Keynote Speaker**. Nasional Fisika 2017. Universitas Negeri Jakarta, Jakarta, Indonesia, May 20-21, 2017.
- **Resource Speaker** -Seminar Workshop on the Conduct of Action Research (How to Write an Action Research Manuscript). DepEd Schools Division Office of San Juan City. May 29-31, 2017.
- **Speaker**, 7th Physics National Seminar with the theme, “Research Implementation into practice in Physics and Physics Education”, Kampus A Universitas Negeri Jakarta, Jalan Rawawangun Muka Raya Gedung Raden Dewi Sartika, Aula Latief Hendranigrat, Jakarta, May 20, 2017
- **Speaker**, 2-day Write-workshop for research that aims to (1) enhance the research capacity, capabilities and productivity of faculty members and; (2) provide opportunities among faculty/school researchers to develop linkages for institutional and external funding as well as future research collaboration, Emilio Aguinaldo College, Manila, May 11-12, 2017
- **Plenary Speaker**. Mass Training for SHS Teachers. Reading Research Literature. Philippine Normal University, Manila. May 3, 2017.
- **Physics Trainer**. Commission on Higher Education (CHED)-sponsored National Training of Trainers 2017 to help (Higher Education Institutions) HEIs, managing Senior High School (SHS) programs provide quality STEM Education to Filipino learners. UPNISMED, Quezon City. April 17-21, 2017.
- **Plenary Speaker**. Standards and Techniques in Publishing Research Results in the Academe. Annual Research Forum 2017. Technological University of the Philippines. February 14, 2017.
- **Plenary Speaker**. Workshop for Thesis Advisers and Research Practitioners. Polytechnic University of the Philippines. December 12, 2016.
- **Plenary Speaker**. Basics of Action Research. Philippine Normal University-Visayas. October 27, 2016.
- **Plenary Speaker**. National Training Workshop on the Conduct of Research for Arts and Culture organized by the Philippine Association of State Colleges and Universities. Polytechnic University of the Philippines. October 21, 2016.
- **Session Chair**. Higher Education Forum. [*International Symposium on Education, Psychology and Social Sciences*], Osaka, Japan, May 10-12, 2016.
- **Speaker**, Science Investigatory Project (SIP) 101, SMX Convention Center Seashell Lane, Pasay, August 1, 2015
- **Speaker**, “Philippine: A Science Nation Innovating for Global Competitiveness”, MB Auditorium, Philippine Normal University, Manila, July 30-31, 2015
- **Lecturer/Trainer**. In-Service Training for Teachers at Bagong Barangay Elementary School-November 19, 2014
- **Plenary Lecturer & Physics Trainer**. Mass Training for Grade 8 Science (NCR) sponsored by DepEd – NCR and PNU, Manila, May 16-20, 2013.
- **Plenary Lecturer & Physics Trainer**. Mass Training for Grade 8 Science (NCR) sponsored by DepEd – NCR and EAC, Manila, May 20-24, 2013.
- **Plenary Lecturer & Physics Trainer**. Mass Training for Grade 7 Science (NCR) sponsored by DepEd – NCR and PNU, Manila, May 20-25 & May 27 – June 2, 2012.
- **Plenary Speaker** (Integrating History and Philosophy of Science I n Teaching Physics), 2nd Physics Education Festival (TARA NA SA PHYSICS), Samahang Pisika ng Pilipinas, De La Salle University, Manila, May 21-23, 2009

- **Physics Lecturer**, In – Service Training for Secondary Teachers (Summer Sequential Certificate program for Non-Major Teachers in Science and Math), SEDIP/DepEd/PNU, April 12 – May 3, 2004s

List of Production Activities

- **Morales, Marie Paz E.** et al. (2017) *Mixploring Science* (Grade 7 to 10). Vibal Publishing House, Inc.
- **Morales, Marie Paz E.** (2014). **What's with Water Softeners.** *Sci -Tech 8*, Volume XXVII, No. 5, ISSN 0116-5682 **Morales, Marie Paz E.** (2014). **Broadband and Beyond.** *Sci -Tech IV*, Volume XXVII, No. 6, ISSN 0116-5704
- **Morales, Marie Paz E.** (2014). **Robots in Medicine.** *Sci-TECH IV*, Volume XXVII, No. 7, ISSN 0116-5704
- **Morales, Marie Paz E.** et.al. (2013). **Grade 8 Science Learner's Material.** Department of Education-Instructional Materials Council Secretariat (DepEd-IMCS)
- **Morales, Marie Paz E.** et.al. (2013). **Grade 8 Science Teacher's Material.** Department of Education- Instructional Materials Council Secretariat (DepEd-IMCS)
- **Morales, Marie Paz E.** et.al. (2012). **Grade 7 Science Learner's Material.** Department of Education-Instructional Materials Council Secretariat (DepEd-IMCS)
- **Morales, Marie Paz E.** et.al. (2012). **Grade 7 Science Teacher's Material.** Department of Education-Instructional Materials Council Secretariat (DepEd-IMCS)
- **Morales, Marie Paz E.** (2009). Refresher Module for LET (Review Material in **ASTRONOMY**), **2009**. Philippine Normal University Press
- **Morales, Marie Paz E.** (2009). Refresher Module for LET (Review Material in **PHYSICAL QUANTITIES**), **2009**. Philippine Normal University Press
- **Morales, Marie Paz E.** (2009). Refresher Module for LET (Review Material in **COURSE CONTENT-PHYSICS**), **2009**. Philippine Normal University Press
- **Morales, Marie Paz E.** et.al. 2008. Computer Adventure Series 5: Internet Fundamentals and Web Page Design. VIBAL Publishing House, Inc., Manila ISBN: 978-971-07-2393-5
- Berdera, Valentine and **Morales, Marie Paz E.** Writer of Natsci 11 (Environmental Chemistry Worktext), Completed: December 2011.
- Berdera, Valentine and **Morales, Marie Paz E.** Researcher, Development and Evaluation of Natsci 11 Worktext, Completed: December 2011.
- **Morales, Marie Paz E.** et.al 2006. Science Plus More Series Grade 4 (Text Book). SIBS Publishing House, Quezon City
- **Morales, Marie Paz E.** et.al 2006. Science Plus More Series Grade 5 (Text Book). SIBS Publishing House, Quezon City
- **Morales, Marie Paz E.** et.al 2006. Science Plus More Series Grade 6 (Text Book). SIBS Publishing House, Quezon City

- **Morales, Marie Paz E.** *et.al* 2006. Science Plus More Series Grade 4 (Teacher’s Guide). SIBS Publishing House, Quezon, City
- **Morales, Marie Paz E.** *et.al* 2006. Science Plus More Series Grade 5 (Teacher’s Guide). SIBS Publishing House, Quezon City
- **Morales, Marie Paz E.** *et.al* 2006. Science Plus More Series Grade 6 (Teacher’s Guide). SIBS Publishing House, Quezon City
- **Morales, Marie Paz E.** *et.al* 2006. Science Plus More Series Grade 4 (Activity Book). SIBS Publishing House, Quezon City
- **Morales, Marie Paz E.** *et.al* 2006. Science Plus More Series Grade 5 (Activity Book). SIBS Publishing House, Quezon City
- **Morales, Marie Paz E.** *et.al* 2006. Science Plus More Series Grade 6 (Activity Book). SIBS Publishing House, Quezon City
Morales, Marie Paz E., Module Writer. Science and Technology IV for Project EASE. June 15, 2005.
- **Morales, Marie Paz E.**, Module Writer. Science and Technology I for Project EASE. June 15, 2004.
- **Morales, Marie Paz E.**, *et.al*. June 2001. Worktext in Physical Science, Department of Physical Sciences, PNU
- **Morales, Marie Paz E.** 1999, Laboratory Manual in Mechanics I. PNU
- **Morales, Marie Paz E.** 1999, Laboratory Manual in Mechanics 2 (Rotational Mechanics). PNU
- **Morales, Marie Paz E.** 1999, Laboratory Manual in Mechanics 3 (Heat and Thermodynamics).PNU

Paper Presentations

- Paper Presenter. University Research Forum 2021: Self-professed Proficiency of Philippine Higher Education (PHE) Teachers of STEAM Disciplines. February 20, 2021. Philippine Normal University, Manila via zoom
- Paper Presenter. 2019 Annual PAASE (Philippine-American Academy for Science and Engineering) Meeting and Symposium: CHAT-influenced Case Research of a Philippine Physics Class, Century Park, Manila. May 23-24, 2019.
- Paper Presenter. 40th South Manila Educational Consortium Research Congress: Science fluency in primary school: Student transition from Filipino to English language learning. Hotel Jen, Pasay City, Manila. February 21-22, 2019.
- **Session Chair.** Higher Education Forum. [*International Symposium on Education, Psychology and Social Sciences*], Osaka, Japan, May 10, 2016 – May 12, 2016.
- **Paper Presenter.** Higher Education Forum. [*International Symposium on Education, Psychology and Social Sciences- Paper Presentation entitled “Stimulating Physics in Action thru Designing Laro ng Lahi Physics Activities*], Osaka, Japan, May 10, 2016 – May 12, 2016.
- **Paper Presenter.** University Research Forum [*Participatory Action Research (PAR) cum Action Research (AR) in Teacher Professional Development: A Literature Review*], PNU, Manila, January 16, 2016.

- **Paper Presenter.** Higher Education Research Forum. [*Heading Towards Transformational Outcome-Based Education: A Case Study of Physics Education Graduates*], Century Park Hotel, City of Manila, August 20, 2015.
- **Presenter.** Association of Southeast Asian Teacher Education Network – Philippine Normal University. [*International Research Collaboration*]. The Bayleaf Hotel, Intramuros, Manila, April 24, 2015.
- **Paper Presenter,** Influence of Culture and Language Sensitive Physics on Student Attitude Enhancement, Madrid, Spain, March 2-4, 2015
- **Paper Presenter,** Filipino Learners’ Cultural and Epistemological Profile, Madrid, Spain, March 2-4, 2015
- **Paper Presenter – Oral.** Impact of Culture and Language Sensitive Physics on Concept Attainment, International Conference in Science and Mathematics Education, University of the Philippine-NISMED, Manila, October 28-30, 2014
- **Paper Presenter – Virtual.** Spark Inspired Science Classroom – 8th International Conference on Technology, Education and Development Conference – March 10-12, 2014, Valencia, Spain.
- **Paper Presenter.** Higher Education Forum. [*International Symposium on Education, Psychology and Social Sciences- Paper Presentation entitled “Stimulating Physics in Action thru Designing Laro ng Lahi Physics Activities*], Osaka, Japan, May 10, 2016 – May 12, 2016.
- **Paper Presenter.** University Research Forum [*Participatory Action Research (PAR) cum Action Research (AR) in Teacher Professional Development: A Literature Review*], PNU, Manila, January 16, 2016.
- **Paper Presenter.** Higher Education Research Forum. [*Heading Towards Transformational Outcome-Based Education: A Case Study of Physics Education Graduates*], Century Park Hotel, City of Manila, August 20, 2015.
- **Presenter.** Association of Southeast Asian Teacher Education Network – Philippine Normal University. [*International Research Collaboration*]. The Bayleaf Hotel, Intramuros, Manila, April 24, 2015.
- **Paper Presenter,** Influence of Culture and Language Sensitive Physics on Student Attitude Enhancement, Madrid, Spain, March 2-4, 2015
- **Presenter,** International Research Collaboration Initiatives, 2nd Meeting of Presidents of Member Institutions of the Associations of Southeast Asian Teacher Education Network (AsTEN), The Bayleaf Hotel, Intramuros, Manila, April 24, 2015
- **Paper Presenter,** Filipino Learners’ Cultural and Epistemological Profile, Madrid, Spain, March 2-4, 2015
- **Paper Presenter – Virtual.** Development and Validation of Culturally-Sensitive Curriculum Material Evaluation Tool (CS-CMET). Article presented at the 6th International Conference on Education, Research and Innovation, Seville, Spain on November 18-20, 2013.
- **Paper Presenter – Virtual.** Culture and Language Integration in Physics Education (CLIPE). Article presented at the 6th International Conference on Education, Research and Innovation, Seville, Spain on November 18-20, 2013.
- **Paper Presenter.** Culture and Language Integration in Physics Education (CLIPE). Graduate Colloquia, Educator’s Congress. , De La Salle University, Manila on March 7-9 2013.
- **Paper Presenter – Virtual.** Spark Inspired Science Classroom – 8th International Conference on Technology, Education

- **Paper Presenter.** Development and Validation of a Concept Test in Physics for Biology, Science and Technology Congress, De La Salle University, Manila on February 24, 2011.
- **Paper Presenter** PNU Teachers' and Pre-service Students' Beliefs on Teaching and Learning: Developing an Action Plan for a Physics Education Program, Educator's Congress, De La Salle University, Manila on October 1, 2010.

Seminars, Workshops and Conventions Attended

- **2021 NRCP Annual Scientific Conference and 88th General Membership Assembly.** National Research Council of the Philippines. March 10, 2021.
- **Strategic Planning Workshop (Part 1).** (PNU-Manila). January 15, 2021
- **Finance and Administration Conference.** (PNU-Manila) September 14, 2020
- **A Walkthrough on How to Maximize the Use of Turnitin.** PNU-Manila. July 30, 2020
- **Oxidation States and Redox Reactions: Online tutorial and teaching strategies for students and teachers.** Filipino Science Hub. June 12, 2020
- **EMPOWERING TEACHERS THROUGH ACTION RESEARCH: Methods and the Writing Process in Focus.** DLSU-Manila. June 3, 2020.
- **How To Design An Asynchronous Training Experience For Your Remote Learners.** Matrix. May 6, 2020.
- **Philippine Normal University (PNU) University Planning Workshop.** Hotel Benilde Maison, De La Salle, Manila. November 26-27, 2018
- **Philippine Normal University (PNU) Annual Planning and Training Workshop.** Orchid Garden Suites, Manila. September 17-19, 2018
- **Workshop on the Development of Internalization Programs.** H20 Hotel, Manila. March 8-9, 2018.
- **Proposal Writing Workshop of the NRCP Division I (Governmental, Educational and International Policies).** Colegio de San Letran. August 22, 2016
- **9th International Technology, Education and Development Conference,** INTED Madrid, Spain, March 2-4, 2015
- **Training on Writing for International Publication as Part of the Research Capability Building Program of the EPRDC,** PNU-Local February 17-18, 2015
- **International Conference in Science and Mathematics Education,** University of the Philippine-NISMED, Manila, October 28-30, 2014
- **Finalization on OBTEC Course Syllabi and Coursepacks for Term I Mathematics and Science**
- **General Education and Transition Courses,** PNU-Local, June 4, 2014
- **8th International Conference on Technology, Education and Development Conference –** March 10-12, Valencia, Spain **6th International Conference on Education, Research and Innovation,** Seville, Spain, November 18-20, 2013.
- **National Training of Trainers for Grade 8 Teachers: Science.** UPNISMED and DepEd, UP Diliman, Quezon City. April 22-26, 2013

- **Educator's Congress**, De La Salle University, Manila on March 7-9 2013.
- **National Training of Trainers for Grade 8 Teachers: Science**. UPNISMED and DepEd, UP Diliman, Quezon City. April 16-21, 2012
- **Science and Technology Congress**, De La Salle University, Manila on February 24, 2011.
- **Educator's Congress**, De La Salle University, Manila on October 1, 2010
- **2010 International Conference in Science and Mathematics Education: Assessing Learning: Innovations and Practice** sponsored by UP NISMED & DOST-SEI, October 26-28, 2010.
- **International Conference on Science and Mathematics Education**, UP NISMED, Diliman, Quezon City, in cooperation with ICASE, Department of Education, Commission on Higher Education, and Department of Science and Technology-Science Education Institute, October 27-29, 2008.
- **National Science and Technology Week 2007: Science Technology and Innovation for Progress**, Philippine Normal University, July 16 – 21, 2007.
- **Seminar -Workshop on Online Teaching**, CLCIR (Center for Learner-Centered Instruction and Research) De La Salle – College of St. Benilde, November 13, 15 & 17, 2006.
- **Curriculum Practices of Science and Mathematics Teachers in the Philippines –** Research Respondent University of Wales, Bangor, September 22, 2006.
- **International Teilhard_Asia_2006 Conference: Teilhard de Chardin's Significance for a Planetary Ethics and Creation Spritualities**, Ateneo de Manila University, August 31 – September 3, 2006.
- **Refinement of Core Competencies in Science and Mathematics**, Department of Education, DOST-SEI, and UP – NISMED, Diliman, Quezon City, June 22 – 23, 2006.
- **Science and Math Investigation**, UPNISMED and DOST-SEI, October 24-29, 2005.
- **National Summit: Filipino Youth in ICT**, Department of Education, Department of Science and Technology, Commission on Higher Education, ASEAN Foundation, Philippine Foundation for Science and Technology, November 27 – December 4, 2003.
- **Advanced Web Page Design**, PNU/INNOTECH-National, August 27-29, 2002.
- **HTML Authoring**, PNU/DPSI-National, May 29-31, 2002.
- **International Conference on Teacher Education**, PNU-International, 9-11 January, 2001.
- **E-Linked Seminar-Workshop on Selected Topics in Physics Education**, UPISMED-National, October 20, 27, November 10, 17, 2001.
- **2000 PAPI National Convention and Workshop**, PNU/PAPI-National, 6-8 April, 2000.
- **Skills Development in Multi-Media Technology (Macromedia FireWorks)**, II-C/DLSU-Institutional, November 9-10, 2000.
- **Internet as a Tool for Acquisition of Multimedia Materials**, II-C/DLSU-Institutional, 19 October, 1999
- **II-C Seminar Workshop on Competency for Multimedia Presentation and Production Training**, II-C/DLSU-Institutional, 3-4 February, 1999
- **National Training Program on Practical Work in High School Physics for Leader Trainers**, UPISMED-National, 13 April – 1May, 1998

- **Seminar-Workshop on Computer-Aided Instruction (CAI)**, II-C/SSC-Institutional, 17-18 October, 1997
- **Raising Cultural Consciousness II**, PNU-Local, 27 October, 1997
- **Raising Cultural Consciousness I**, PNU –Local, 12 September, 1997
- **Technology-Based Teacher Education Program**, DOST/Meralco Foundation Institute-National, 5 – 30 May, 1997
- **1st Fr. Circiaco Pedrosa, O.P. Memorial Lecture “LASER IN THE PHILIPPINES” (Lidar at Manila Observatory)**, COS,UST-Institutional, 19 February, 1997
- **Seminar-Workshop on CAI**, II-C/SPCM-Institutional, 28-30 October, 1996
- **Technology-Based Teacher Education Program**, DOST/MFI-National, 25 April – 24 May, 1996
- **1996 Balikturo Seminar-Workshop**, PNU-Local, 21 August, 1996

LEADERSHIP AND MANAGEMENT SKILLS

2021-Present

Assistant Corporate Secretary

Executive Committee of the NRCP Governing Board

Member

NRCP Governing Board

2020- Present

Chair

National Research Council of the Philippines-Division of Governmental, Educational and International Policies

2015 – Present

Director

Publication Office, Philippine Normal University

2020 – 2023

Project Manager, Erasmus + funded research, Educating Science Teachers for All

2019 - Present

Vice President for Internal, Philippine Higher Education Research Consortium (PHERC)

2017-2019

Principal Investigator, CHED-Funded Research, TPACK in Philippine STEAM Education

2018 - Present

Head, Research Publications Committee, Philippine Higher Education Research Consortium (PHERC)

2006 – 2010

Project Director of DOST-SEI-PNU Scholarship Program entitled: Project 8102 Ed.

University Coordinator, DOST-SEI-PNU Scholarship Program entitled: Project 5001, 9001,7687

2004-2006

College Faculty Secretary, College of Science

2006-2010

Department Head, Department of Physical Sciences

PROFESSIONAL RELATIONS

Professional Organization Membership

Full Member, Philippine-American Academy of Scientists and Engineers (PAASE)

Regular Member, National Research Council of the Philippines- (Division1)

Member, United Professionals for the Development and Advancement of Teacher Education), Inc.

Member, Philippine Educational Measurement and Evaluation Association (PEMEA)

Member, Phi-Lambda-Theta

Member, Samahang Pisika ng Pilipinas

Member, Philippine Association of University Women

Member, Teachers' Club (British Council)

Member, KASAMA Teachers

Peer Referee, PRISM, Philippines (*CHED-recognized*)

Peer Referee, Journal of Educational and Human Resource Development (CHED-Recognized, ACI)

Peer Referee, The Asia Pacific Education Researcher (*ISI-indexed, Q2*)

Peer Referee, EURASIAN Journal of Educational Research (*ISI-indexed, Q2*)

Peer Referee, Issues in Educational Research (*ISI-indexed Q2*)

Peer Referee, International Journal of Learning, Teaching and Educational Research

Peer Referee, Evaluation and Program Planning (*ISI-indexed Q1*)

Peer Referee, Philippine Journal of Science (ISI/Scopus Q2)

Member of the Advisory Board, Department of Physics and Department of Physics Education (Universitas Negeri Jakarta),
The 8th National Physics Seminar 2019

Extension Services and Linkages

- **Project Leader.** Teacher Training on Action Research, Cayetano Arellano High School, May 11-14, 2015
- **Evaluator.** 2018 Year-End In-House Review of Completed Researches. Tarlac State University. December 14, 2018
- **Evaluator.** 2018 Midyear In-House Review of Completed Researches. Tarlac State University. August 20, 2018
- **Research Capability Building Program-A Professional Development Teacher Training on Action Research** (For Division of City Schools – Manila)- 2015 -2018.

- Extension Program with the Department of Labor and Employment - *Sa Pinas, Ikaw ang Ma'am/Sir 2015-2018*
- **Research Article referee** of *The Asia Pacific Education Researcher (TAPER)*
- **Research Article referee** of *International Journal of Learning, Teaching and Educational Research.*
- **Research Article referee** of *The Normal Lights*
- **Associate Editor** of *The Normal Lights*
- **Associate Editor** of *The Normal Lights*
- **Research Article referee** of *The Asia Pacific Higher Education Research Journal (APHERJ).*
- **Associate Editor** of *AsTEN Journal*
- **Lecturer/Trainer** . In-Service Training for Teachers at Bagong Barangay Elementary School-November 19, 2014
- **Plenary Lecturer & Physics Trainer.** Mass Training for Grade 8 Science (NCR) sponsored by DepEd – NCR and PNU, Manila, May 16-20, 2013.
- **Plenary Lecturer & Physics Trainer** Mass Training for Grade 8 Science (NCR) sponsored by DepEd – NCR and EAC, Manila, May 20-24, 2013.
- **Plenary Lecturer & Physics Trainer.** Mass Training for Grade 7 Science (NCR) sponsored by DepEd – NCR and PNU, Manila, May 20-25 & May 27 – June 2, 2012.
- **Project Director & Lecturer.** 2010 National In-Service Training Program for Elementary and Secondary Science Teachers: Assessment in Science and Technology, PNU, Manila, May 19-22, 2010.
- Community Extension Service to Cancer Patients initiated by **PNU-DOST Team** in December 2009 titled, *PNU- DOST Team for the Kids under the Cancer for Warriors Foundation and By your Side Concert for a PNU Employee Diagnosed with Cancer.*
- Community Extension Program of Caritas Community which was initiated by **PNU-DOST Team** in March 2011 titled, *Unity in Diversity: Donations for Caritas-Manila.*
- **Lecturer/Trainer (PHYSICS GROUP), IN-SERVICE TRAINING:** Problem – Based Learning Approach (DepED Muntinlupa), May 25, 2009.
- **Lecturer/Trainer (Elementary Level), IN-SERVICE TRAINING:** Problem – Based Learning Approach (DepED Muntinlupa), May 21, 2009.
- **Lecturer – Physical Science (MTBL-MLE), IN-SERVICE TRAINING: Special Training for Teacher**
- **Trainers and Supervisors in MTBL (Mother-Tongue Based Learning – Multi-Lingual Education),** DepEd Batangas, May 12-13, 2009.
- **Project Director. IN-SERVICE TRAINING:** Upgrading Program for Science and Mathematics Teachers' Competence
- **Batch 2-Term 2,** Philippine Normal University & DEPED (CALABARZON), April 15-May 22, 2009.
- **Lecturer/Trainer (Physics and Integrated Science Groups).** IN-SERVICE TRAINING: Upgrading Program for Science and Mathematics Teachers' Competence **Batch 2-Term 2,** Philippine Normal University & DEPED (CALABARZON), April 15-May 22, 2009.

- **Coordinator and Lecturer.** Upgrading High School Science and Mathematics Teacher Competencies (Physics), Philippine Normal University and Region IVB, April 28- May 31, 2008
- **Coordinator and Lecturer.** Upgrading High School Science and Mathematics Teacher Competencies (Physics), Philippine Normal University and NCR, April 14 - May 17, 2008
- **Project Director and Lecturer.** Towards a Holistic view of Science. An Update for Science Teachers. PNU, May 21-24, 2007.
- **Project Director and Lecturer.** Updates on Content, Approaches, Assessment and Technology and English Proficiency in Sciences. DepEd NCR, PNU. May 10-14, 2007.
- **Coordinator and Lecturer.** Upgrading High School Science and Mathematics Teacher Competencies (Physics and Integrated Science), Philippine Normal University and Region IVA and IVB April 17- May 27, 2007.
- **Participant.** Trends and Issues in Science Laboratory Safety Management. PNU. March 10, 2007.
- **Participant.** Science in the Bible. PNU February 28, 2007.
- **Project Director and Lecturer.** Updates on Content, Approaches, Assessment and Technology and English Proficiency in Sciences. DepEd Region III, PNU. October 26-30, 2006.
- **DepEd Curriculum Developer and Reviewer,** UP NISMED, Diliman, Quezon City, June 22-23, 2006.
- **Project Coordinator - Physics and Integrated Science Areas,** Upgrading Science and Mathematics Teachers' Competence DepEd-CALABARZON (Batch 2), November 3, 2006–April 22, 2007
- **Project Coordinator - Science Area,** Project Learning Improvement for Teachers and Students, DepEd/MIMAROPA, PNU, April 17-May 19, 2006
- **Lecturer,** Certificate Program for Secondary School Science and Mathematics Teachers under the Initiative of Congressman Wigberto E. Tañada of 4th District of Quezon, Office of Congressman Wigberto Tañada and PNU, 24 , April - 19 May, 2006
- **Project Director and Physics Lecturer.** Learner-Centered Science Teaching: Updates on content, Strategies, Assessment and Technology. May 17-19, 2006.
- **Project Coordinator - Physics and Integrated Science Areas,** Upgrading Science and Mathematics Teachers' Competence DepEd-CALABARZON(Batch 1), April 17-May 26, 2006
- **Project Coordinator - Elementary Science and Integrated Science,** IN-SERVICE Training of Elementary and Secondary Science and Mathematics Teachers: Learner – Centered Science Teaching: Updates on Content, Strategies, Technology, and Assessment, PNU-COS-Department of Physical Sciences, May 17-20, 2006
- **Text Book and Supplementary Material Evaluator,** DEPED, Pasig City, February 18 – 19, 2006
- **Judge,** Battle of the Brains, TUP Cavite, February 10, 2006
- **Judge,** Battle of the Brains, Caloocan City, February 7, 2006
- **Judge,** Mind Brawl 2006, Manila Science High School, January 23, 2006
- **Judge,** Odyssey of the Mind, Society for the Advancement of Physics Education, Philippine Normal University, November 24, 2005

- **Coordinator – Physics Group**, In – Service Training for Secondary Teachers (Summer Sequential Certificate program for Non-Major Teachers in Science and Math), SEDIP/DepEd/PNU, April 25 – May 18, 2005
- **Coordinator – Elementary Science**, National Seminar-Workshop on Investigatory Project Making, Department of Physical Sciences/COS/PNU, May 16 – 18, 2005
- **Judge**, 2nd National Science Quiz, Sci-Dama and Science Fair for Elementary and Secondary, (Physics Area), February 2 – 4, 2005
- **Working Committee Member**, National Seminar-Workshop on Investigatory Project Making, Department of Physical Sciences/COS/PNU, January 19, 2005
- **Judge**, 9th Annual Inter-High School Physics Quiz Bee, (Adamson University), January 21, 2005
Working Committee Member, 2005 National Science and Technology Week, PNU, July 14-18, 2005. **Supplementary References Reviewer**, DEPED Physics Book Review, December, 2005
- **“VolFat” (Volunteer Faculty Tutor)**, Student Learning Center, DLS-CSB, 2004-2005
- **Physics Book Reviewer**, DEPED Physics Book Review, November 9-10, 2004
- **Facilitator**, National Summit Filipino Youth in ICT, Philippine Science Centrum/UST, November 27, 2003-December 4, 2003
- **Judge**, 2nd Inter-Collegiate Math and Science Quiz, October 10, 2003
- **Coordinator and Lecturer**, In-Service Training: The Use of ICT in the Classroom Across Disciplines and Across Levels, PNU, May 12-15, 2003
- **Coach**, Physics Quiz Bee (Champion), March 7, 2003
- **Coach**, NCR Math Wizard (2nd Place), January, 2003
- **Lecturer**, In-Service Training: Going Beyond the Basics in Science, May 19-23, 2003, Project RISE - Project (Rescue Initiatives in Science Education, PNU-Regional Science and Technology Center, April 10 – May 10, 2002
- **Judge**, 2002 NSTW Celebration, July 24-26, 2002
- **Member of the Editorial Staff**, Coffee Table Book of the Philippine Normal University. 2001 **Judge**, Mind Power 2001, October 2, 2001
- **Judge**, 5th Inter-High School Physics Quiz, (Adamson University), February 9, 2001
- **Working Committee Member**, International Conference on Teacher Education, PNU, January 11, 2001
- **Lecturer**, Crash Training Program for Secondary Science and Math Teachers under the Project Rescue Initiatives in Science Education (Project RISE), Regional Science and Technology Center-PNU, 19 April - 15 May, 1999
- **Lecturer**, Training Program on Content Updates and Research in Science and Math Education, Regional Science and Technology Center-PNU, 10-16, May, 1999
- **Lecturer, Project RISE- (Rescue Initiatives in Science Education)-Professional**, PNU-Regional Science and Technology Center, November 9 – December 4, 1998
- **Lecturer**, Crash Training Program for Secondary Science and Math Teachers under the Project Rescue Initiatives in Science Education (Project RISE), Regional Science and Technology Center, 9 November - 4 December, 1998

- **Lecturer**, Content Updates and Teaching Strategies in Science and Mathematics, Regional Science and Technology Center-PNU, 18-23 May, 1998
- **Lecturer**, Certificate Program for Secondary School Science and Mathematics Teachers under the Initiative of Congressman Wigberto E. Tañada of 4th District of Quezon, Office of Congressman Wigberto Tañada and PNU, 14 April - 28 May, 1998
- **Lecturer and Facilitator**, National Seminar-Workshop on Science and Technology as Coping Strategy in an Information Society, PNU, May 26-30, 1997SSS
- **Lecturer**, Natural Science, PNU LET Review Program for PNU Graduates, PNU, April 7-2, 2014
- **Lecturer**, Natural Science (BSE-2), PNU LET Review Program for PNU Graduates, PNU, April 7-2, 2014
- **Faculty Volunteer**, In-service Training Program, Assessment in K-12 Curriculum, November 19, 2014, Bagong Elementary School
- **Reviewer**, Senior High School: Physical Science (Physics)

List of References

1. **Dr Robert C. Roleda**
De La Salle University, Manila 2401 Taft Avenue, Manila
2. **Dr. Zenaida Q. Reyes**
Philippine Normal University, Taft Avenue, Manila
3. **Dr. Auxencia Limjap**
Jose Rizal University