



## MILTON NORMAN D. MEDINA, Ph.D.

Professor, Davao Oriental State University, Philippines

Home address: Purok 8-C Magdum, Tagum City, Davao del

Norte. Mobile: +63945 661 7383

Email: miltonnormanmedina@gmail.com

*Coleopterist, Conservationist, Transformative Educator*

### RESEARCH INTERESTS

*"I am a member of the International Union for Conservation of Nature - Species Survival Commission (IUCN-SSC) for Philippine beetles. I am working on the systematics and conservation of Philippine beetles particularly the members of the families Cicindelidae, Cerambycidae, and Tenebrionidae fauna. I am a visiting researcher at the California Academy of Sciences. Part of my advocacy is to promote Transformative education towards conservation of our local bio-cultural diversity".*

### EDUCATION

<b>Doctor of Philosophy in Biology (major in Systematics)</b> Central Mindanao University, Mindanao, Philippines	2014-2018
<b>Master of Science (Science Education Research)</b> Science and Mathematics Education Centre, Curtin University, Western Australia	2009-2010
<b>Master of Arts in Science Teaching (major in Biology)</b> University of Southeastern Philippines, Mindanao, Philippines	2006-2008
<b>Bachelor of Science in Education (major in Biological Science)</b> University of Southeastern Philippines, Mindanao, Philippines	2005-2006
<b>Bachelor of Science in Biology</b> Central Mindanao University, Mindanao, Philippines	2000-2004
<b>Secondary Education</b> Montevista National High School, Mindanao, Philippines	1996-2000
<b>Elementary (Basic) Education</b> Montevista Central Elementary School, Mindanao, Philippines	1990-1996

### ELIGIBILITY AND CERTIFICATIONS

<b>LET - Licensure Examination for Teachers</b> (Biological Science)	2008
<b>TESDA: Professional Driving Competency NCII</b>	2012

## CITATIONS & H-INDEX

Citations = 746

h-index = 8

for updated data, see:

<https://scholar.google.com/citations?user=KSttPgEAAAAJ#>

As of Aug. 30,  
2022

## AWARDS

**Australian Alumni Excellence Award (Young Achievers Award 2017)** 2017  
by the Australian Embassy in the Philippines

**Golden Harvest Award in Research** by the Univ. of Mindanao 2018

**UNIID-ASIA Fellow Awardee** in Jakarta, Indonesia for the project 2014  
entitled 'Basic biodiversity research protocols for local communities'  
funded by Asian Universities Network.

**Regional qualifier for the PNHRs Best Mentor** in Health Research 2011  
Award of the Department of Science and Technology-PCHRD

## FELLOWSHIPS/ POST DOCTORAL

**Visiting researcher: CALIFORNIA ACADEMY OF SCIENCES,**  
**CALIFORNIA, USA** Oct. 2022-  
present  
'Systematics of the genus *Cyrtiotasiastes* of the Philippines'  
Host: Dr. Matthew van Dam & Dr. Athena Lam

**Universities & Councils Network on Innovation for Inclusive** 2014  
**Development-SEA, JAKARTA, INDONESIA**  
Basic biodiversity research protocols for local communities

## PROJECTS HANDLED

Project co-leader, Philippine-Latvia Coleoptera Expedition and Mobility 2017 up to  
Program through ERASMUS Mobility+ of the European Union 2022

Consultant, Rapid coleopterological assessment in Mt. Mayo, Mati City Sept. 2021  
funded by DORSU in-house research grant up to the  
present

Consultant, Rapid Assessment of Coleopteran Fauna in Agroforestry and Protected Areas in Zamboanga Peninsula, Mindanao, Philippines funded by WMSU in-house research fund	2021- up to the present
Collaborator, Assessment of Insect Fauna in Lake Holon and its environ funded by DOST- NRCP	2020-2021
Project co-leader, Bioblitz in Mt. Hamiguitan Range Wildlife Sanctuary and Mt. Apo, funded by National Geographic Society, Washington DC	2018 and 2019
Project Leader, Coleoptera Assessment in Ovu-Manubu ancestral domain, funded by the University of Mindanao Research and Publication Center.	June to Dec. 2021
Team Leader, Biodiversity Assessment in Dole Philippines managed farms, funded by Dole Philippines, Inc.	2021-2024
Project Leader, Biodiversity Assessment in the Davao City Bulk Water Supply Project – Apo Agua Infraestructura Incorporated, Aboitiz Company, funded by Aboitiz Group of Companies	Dec. 2019 – Aug. 2020
Study leader, Rapid Assessment of Coleoptera Fauna of Mt. Candalaga, Davao de Oro, Mindanao Island, Philippines, funded by UMRPC	2018-2019
Program Leader, Davao biodiversity research and conservation Funded by CHED-DARETO	Aug. 2018 – Aug. 2020
Field supervisor, 2020 Citizen Satisfaction Index System survey for LGU of Nabunturan and Sto. Tomas, funded by DILG Philippines	Nov. 2019 – Jul. 2020
Project Leader, Indigenous women's livelihood and plastic recycling towards biodiversity conservation of Mindanao endemic species, funded by Australian Embassy in the Philippines through Australian Alumni Grant Scheme	2017-2018
Collaborator, Weevil mimicry in the Philippines, funded by National Geographic Society, Washington DC	Jan. 2018 - Jan. 2019
Project Leader, Establishment of research and conservation center in Mt. Hamiguitan Range Wildlife Sanctuary, Davao Oriental Philippines, funded by Rufford Small Grant Foundation UK <a href="http://www.rufford.org/projects/milton_norman_medina">http://www.rufford.org/projects/milton_norman_medina</a>	May 2017 – May 2018
Study Leader, Sustainability framework for buffer zones of Protected Areas; Pathways to social adaptation for livelihood and conservation, funded by CHED-DARETO	Jan. 2016 – Dec. 2018

Project Leader, Production of Information, Education, and Communication Materials towards Conservation of Local Biodiversity in Davao Oriental Philippines, funded by Rufford Small Grants Foundation, UK, <a href="https://www.rufford.org/projects/milton-norman-d-medina/production-of-information-education-and-communication-materials-towards-conservation-of-local-biodiversity-in-davao-oriental-philippines/">https://www.rufford.org/projects/milton-norman-d-medina/production-of-information-education-and-communication-materials-towards-conservation-of-local-biodiversity-in-davao-oriental-philippines/</a>	Sept. 2016 – Sept. 2017
Primary Author, Odonata Photoguide of Compostela Valley Province, Philippines, funded by Nagao Ecological Foundation, Japan	June 2016
Field Supervisor, CSIS survey of LGU Sulop Davao del Sur and LGU Monkayo, funded by DILG Philippines	June – Oct. 2016
Data Analyst, Baseline KAP-TNA on DRR and climate change in COMpostela Valley and Surigao del Sur, funded by ACF & Save the Children	2015 – 2016
Data Analyst, Baseline soil, water, and carbon dioxide analyses on selected coconut farm producers of Franklin Baker, funded by Franklin Baker Inc.	2014 – 2016
Project Leader, Transformative Science and Mathematics Education for meaning-making and lifelong learning in Compostela Valley & Davao del Norte, funded by Australian Embassy through the Australian Alumni Grant Scheme	Oct. 2014 – June 2015
Project Leader, Distribution and habitat assessment of <i>Risicnemis antoniae</i> : A Less known endangered damselfly from Eastern Mindanao, Philippines, funded by Mohamed bin Zayed Species Conservation Fund (Abu Dhabi), <a href="https://www.speciesconservation.org/case-studies-projects/alindanaw/9226">https://www.speciesconservation.org/case-studies-projects/alindanaw/9226</a>	Sept. 2014 – Sept. 2015
Author, Basic biodiversity research protocols for local communities, funded by UNIID-Asia	June – Sept. 2014
Study Leader, Odonata fauna of Compostela Valley Province, Mindanao Island, Philippines, funded by University of Mindanao Research and Publication Center, Matina, Davao City	Feb. 2013 – Feb. 2014
Project Leader, Plecoptera fauna of Compostela Valley, Mindanao Island, Philippines, funded by Rufford Small Grant Foundation (RSGF), United Kingdom, <a href="https://www.rufford.org/projects/milton-norman-d-medina/plecoptera-fauna-of-compostela-valley-province-mindanao-island-philippines/">https://www.rufford.org/projects/milton-norman-d-medina/plecoptera-fauna-of-compostela-valley-province-mindanao-island-philippines/</a>	Jan. 2013 – Dec. 2013

Project Leader, Dung beetle project in Nabunturan, Compostela Valley, Philippines, funded by Research and Development Center – Assumption College of Nabunturan July 2012 – Dec. 2012

Project Leader, Rapid biodiversity survey in Mainit Hot Spring Protected Landscape, Nabunturan, Compostela Valley, Mindanao Island, Philippines, funded by Research and Development Center- Assumption College of Nabunturan & Nabunturan Balik-Kinaiyahan Foundation Incorporated (NBKFI) 2011-2012

## PATENT

**Inventor:** Coleoptera mechanized sifter, on-going, waiting for the awarding of patent from IPOPHIL

## PUBLICATIONS (JOURNAL-ARTICLES)

**Medina M.N.D.**, Donato J., Cabras A.A. 2022. *Therates hubertusi* sp. nov. a new species of tiger beetle (Coleoptera: Cicindelidae) in Davao City Philippines. *Baltic J. Coleopterol.*, 22(1): 127–131.

**Medina M.N.D.**, Cabras AA., Tandang D.N., Barševskis A. 2022. Notes on the ecology of *Callimetopus lumawigi* Breuning, 1980 (Coleoptera: Lamiinae: Pteropliini) in Mindanao, Philippines. *Acta Biol. Univ. Daugavp.*, 22 (1): 91 – 95.

Barsevskis A, Cabras AA, **Medina MND**, et al. 2022. Notes on the distribution record of the genus *Anoplophora* Hope, 1839 (Coleoptera: Cerambycidae) in Asia. *Baltic Journal of Coleopterology*, 21(2), 149-173.

Barsevskis A, Cabras A, **Medina MND**. 2022. A new species of *Callimetopus* Blanchard, 1853 (Coleoptera: Cerambycidae) from Panay Island, Philippines. *Baltic Journal of Coleopterology*, 21(2), 133-138.

**Medina MND**, Cabras AA<sup>2</sup>, Ruzzier E<sup>3</sup>. 2022. The Tenebrionidae Latreille, 1802 (Coleoptera: Tenebrionoidea) of the Philippines. Part 2. Two new species of the genus *Gauromaia* Pascoe, 1866 (Cnodonini) from Mindanao Island. *Zootaxa* 5178 (3): 278–284. <https://doi.org/10.11646/zootaxa.5178.3.6> (Scopus and Web-of-Science Indexed)

**Medina MND**, Baul MJG, Cabras AA (2022) Catalog of the genus *Cylindrepomus* Blanchard (Coleoptera, Cerambycidae, Dorcaschematini) in the Philippines, with description of a new species from northern Mindanao. *ZooKeys* 1116: 23–32. <https://doi.org/10.3897/zookeys.1116.86906> (Scopus and Web-of-Science Indexed)

<sup>1</sup>Analyn Anzano Cabras, <sup>2</sup>Melbert Baul, <sup>3</sup>Reagan Joseph Villanueva, <sup>1</sup>**Milton Norman Medina**. 2022. *Pachyrhynchus panumanon* sp.nov., a new species of easter egg weevil

(Coleoptera, Curculionidae, Entiminae, Pachyrhynchini) from Northern Mindanao, Philippines. *Journal of Tropical Coleopterology*, 3(1), 88-97.

Leikuma-Rimicane L, Baloran ET, Ceballos RF, **Medina MND**. 2022. The Role of Higher Education in Shaping Global Talent Competitiveness and Talent Growth. *International Journal of Information and Education Technology*. (Scopus Indexed)

<sup>1</sup>Jessa Mae B. Patalita, <sup>1</sup>Dexter V. Patalita, <sup>2</sup>AnalyN C. Cabras, <sup>3</sup>Rizalyn B. Cudera, <sup>2</sup>**Milton Norman D. Medina**. 2022. First record of the genus *Pseudophanias* Raffray, 1890 (Staphylinidae: Pselaphinae) in the Philippines with list of species in the world. *Journal of Tropical Coleopterology*, 3(1), 74-82.

Cabras AA, **Medina MND**, Torrejos C, Pajota EL, Pepito MJ, Ceballos R, Rukmane A (2022) Annotated list of Pachyrhynchini (Coleoptera, Curculionidae, Entiminae) in Davao City, Mindanao, Philippines. *Check List* 18 (4): 799–814. <https://doi.org/10.15560/18.4.799> (Scopus and Web-of-Science Indexed)

Cabras AA, Cudera R, Mamon J, **Medina MND** (2022) Two new species of *Metapocyrtus* (Orthocyrtus) Heller, 1912 (Coleoptera, Curculionidae, Entiminae) from southern Mindanao, Philippines, with ecological notes. *ZooKeys* 1116: 133–147. <https://doi.org/10.3897/zookeys.1116.83236> (Scopus and Web-of-Science Indexed)

**Medina MND**, Cabras AA, Wiesner J. 2021. Short notes on teratology in *Neocollyris* (*Heterocollyris*) *similior* (Horn, 1893) (Coleoptera: Cicindelidae): Input to morphological systematics. *Journal of Tropical Coleopterology*, 2(2), 27-29. <https://www.jtcoleop.com/home#/issues/4>

Cabras AA, **Medina MND**, Madjos G, Bollino M. 2022. Three new species of the genus *Metapocyrtus* Heller 1912, subgenus *Orthocyrtus* Heller 1912 (Coleoptera, Curculionidae, Entiminae, Pachyrhynchini), from Mindanao Island, Philippines. *Zookeys*, 1088, 115-128. Available at <https://zookeys.pensoft.net/article/79021/> (Scopus and Web-of-Science Indexed)

Cabras AA, Quimpan HP, **Medina MND**. 2021. *Metapocyrtus poncei* sp. nov., a new weevil (Coleoptera, Curculionidae, Entiminae, Pachyrhynchini) from Davao Oriental, Mindanao Island, Philippines. *Journal of Tropical Coleopterology*, 2(2), 27-29. <https://www.jtcoleop.com/home#/issues/4>

**MILTON NORMAN MEDINA**, LESLAE KAY MANTILLA, ANALYN CABRAS, & FRANCESCO VITALI. Catalogue of the genus *Cereopsius* Pascoe 1857 (Coleoptera: Cerambycidae: Lamiinae) in the Philippines with description of a new species from Mindanao. *Zootaxa*, 5061 (2): 383–391 (Scopus and Web-of-Science indexed)

AnalyN Anzano Cabras, **Milton Norman Medina**. 2021. Four new species of *Metapocyrtus* Heller, 1912 (Coleoptera, Curculionidae, Entiminae, Pachyrhynchini) from Mindanao Island, Philippines. *Biodiversity Data Journal*, *Biodiversity Data Journal* 9: e72453. Doi: <HTTP://10.3897/BDJ.9.e72453> (Scopus and Web-of-Science indexed)

Barševskis A., **Medina M. N.** 2021. Two new species of *Merionoeda* Pascoe, 1869 (Coleoptera: Cerambycidae) from Palawan Island, Philippines. Baltic J. Coleopterol., 21(1): 59 – 63. (Scopus indexed)

**Medina, M.**, Analyn Cabras, Chrestine Torrejos, Mark John Pepito, Arvids Barsevskis, Leslae Kay Cataytay Mantilla, and Francesco Vitali. 2021. Catalog of the Genus *Glenea* Newman, 1842 (Coleoptera: Cerambycidae: Lamiinae: Saperdini) with Key to the Sub-genera in the Philippines. Philippine Journal of Science, 150 (6B): 1663-1675. (Scopus and Web-of-Science indexed)

Cabras, A., Villanueva, R.J., **Medina, M.** 2021. Two New Species of *Metapocyrtus* Heller 1912 (Coleoptera: Curculionidae: Entiminae: Pachyrhynchini) from Davao de Oro Mindanao Island, Philippines. Baltic J. Coleopterol., 21(1): 101 – 109. (Scopus indexed)

**Medina M. N. D.**, Donato J., Cabras A.A. 2021. *Therates hubertusi* sp. nov. a new species of tiger beetle (Coleoptera: Cicindelidae) in Davao City Philippines. Baltic J. Coleopterol., 21(1): 87 – 91. (Scopus indexed)

Anichtchenko A., **Medina M. N. D.** 2021. A new species of the genus *Dromoceryx* Schmidt-Goebel, 1846 (Coleoptera: Carabidae: Lebiini) from the Philippines. Baltic J. Coleopterol., 21(1): 77 – 80. (Scopus indexed)

Cabras A. A., **Medina M. N.**, Donato J., Van Dam M.H. 2021. *Pachyrhynchus obumanuvu* sp. nov., a new species of easter egg weevil (Coleoptera, Curculionidae, Entiminae, Pachyrhynchini) from Mindanao Island, Philippines. Baltic J. Coleopterol., 21(1): 43– 48 (Scopus indexed)

**Medina MND**, Anichtchenko A, Wiesner J. 2021. Review of the tiger beetle genus *Calomera* Motschulsky, 1862 (Coleoptera: Cicindelidae) of the Philippines. Journal of Threatened Taxa, 13(1), 17537–17542 (Scopus indexed)

Anichtchenko A, Minkina L, Vasiljeva A, **Medina MND**. 2021. A review of the genus *Rhyparus* in the Philippines, with descriptions of two new species from Mindanao (Coleoptera: Scarabaeidae: Aphodiinae). ACTA ENTOMOLOGICA MUSEI NATIONALIS PRAGAE, 69(1), 99-111. (Scopus indexed)

Torrejos C, **Medina MND**, Cabras AA. 2020. A catalogue of the genus *Xystrocera* Audinet-Serville, 1834 and new distribution record of *Xystrocera 7rganiz* (Olivier, 1795) in the Philippines. Journal of Tropical Coleopterology, 1(1), 38-42. (Peer reviewed)

Barsevskis A, Cabras AA, **Medina MND**. 2020. NEW RECORDS OF *DOLIOPS* WATERHOUSE, 1841 (COLEOPTERA: CERAMBYCIDAE: LAMIINAE) FROM THE PHILIPPINES. Acta Biol. Univ. Daugavp. 20 (1), (Web-of-Science indexed)

Barsevskis A, Cabras AA, **Medina MND**. 2020. *FALSEUNIDIA ALBOSIGNATA* BREUNING, 1943 (COLEOPTERA: CERAMBYCIDAE) – A NEW SPECIES FOR THE FAUNA OF THE PHILIPPINES. *Acta Biol. Univ. Daugavp.* 20 (1), 61-64. (Web-of-Science indexed)

Cabras, AA, Madjos G, **Medina MND**. 2020. A new *Metapocyrtus* Heller 1912 (Curculionidae: Entiminae: Pachyrhynchini) from Zamboanga Peninsula, Mindanao Island, Philippines. *Journal of Tropical Coleopterology*, 1(2), 12-20.

**Medina MND**. 2020. Notes on habitat specificity and occurrence of some Philippine tiger beetles: Input to tropical biodiversity conservation. *Journal of Tropical Coleopterology*, 1(2), 25-34.

Pepito MJ, Torrejos C, Cabras AA, **Medina MND**, Cudera R. 2020. Preliminary List of Carabidae and Cicindelidae (Coleoptera) Fauna in Lake Holon, T'boli, South Cotabato, Philippines. *Journal of Tropical Coleopterology*, 1(2), 35-46.

**Medina, M.N.D.**, Cabras, A.A. Villanueva, J. 2020. *Thopectica (Thopectica) barsevskisi* sp. n. a new tiger beetle (Coleoptera: Cicindelidae) in Bohol Island Philippines. *Baltic Journal of Coleopterology*, 21(1), Scopus indexed.

**Medina MND**, Cabras AA, Ramillano H, Villanueva RJT. 2020. Tiger beetles (Coleoptera: Cicindelidae) of Davao Region, Mindanao, Philippines. *Journal of Threatened Taxa*, 12(4), 15460-15467. DOI: 10.11609/jot.5102.12.4.15460-15467. Scopus indexed.

Anichtchenko, A. & **Medina, M.N.D.** 2020. Contribution to the knowledge of three species of the genus *Thopectica* Schaum, 1861 from the Philippines (Coleoptera: Carabidae: Cicindelinae). *Zootaxa*, 4748 (2): 389-395. DOI: <https://doi.org/10.11646/zootaxa.4748.2.11>. Scopus and Web-of-Science indexed.

**Medina MND**, Cabras AD, Ibanez J, Opiso G, Villanueva RJT (2020). Annotated list of tiger beetles (Coleoptera, Cicindelidae) in Calanasan, Apayao Province, Luzon, Philippines. *Check List* 16 (1): 37-45. <https://doi.org/10.15560/16.1.37> . Scopus and Web-of-Science indexed

**Medina, M.N.**, Cabras, A., & Weisner, J. 2019. *Thopectica petertaylori* sp.n., a new species (Coleoptera: Cicindelidae) from Mindanao, Philippines. *Insecta Mundi* 0733:1-5

Anichtchenko, A. & **Medina, M.N.D.** 2019. A new *Neocollyris (Heterocollyris)* subspecies from Mindanao, Philippines (Coleoptera, Carabidae, Cicindelinae). *Acta Bio. Univ. Daugavp.*, 19(1), 13-15. Web-of-Science indexed

Cabras, A., Zhang, G., & **Medina, M.N.** 2019. *Metapocyrtus kitangladensis* sp.n., a new Pachyrhynchus cumingii G.R. Waterhouse, 1841 mimic from Mindanao Island, Philippines. *Zookeys*, 853:119-129. <https://zookeys.pensoft.net/article/30595/> Scopus indexed



Cabras, A. & **Medina, M.N.** 2018. *Metapocyrtus (Artapocyrtus) willietorresi* sp. n. (Coleoptera: Curculionidae) from Southern Mindanao (Philippines), with notes on its ecology and mimicry complex. *Baltic Journal for Coleopterology*, 18(2). Scopus indexed

Cabras, A., **Medina, M.N.** & Bollino, M. 2018. A new species of the subgenus *Orthocyrtus* Heller, 1912, genus *Metapocyrtus* Heller, 1912 (Coleoptera, Curculionidae, Entiminae, Pachyrhynchini) from Mindanao, with notes on its ecology. *Baltic Journal for Coleopterology*, 18(1). Scopus indexed

**Medina, M.N.D.** & Taylor, P.C. 2018. Teaching and learning transformative research: Complexity, Challenge, and Change. In P.C. Taylor & B. Chandra (Ed.) *Research as Transformative Learning for Sustainable Futures: Global Voices and Visions*. The Netherlands: Sense Publishing (Scopus & Web of Science indexed)

**Medina, M.N.D.**, Cabras, A.A., Kloppenburg, R.D. & Villanueva, R.J.T. 2018. *Hoya indaysarae* sp. Nov. a new species of *Hoya* (Apocynaceae) from Mindanao, Philippines. *Hoya New*, 7(3), 1-10.

**Medina, M.N.D.** Cabras, A. Villanueva, R.J.T. , Colong, R. (2018). Odonata Recorded in the Buffer Zone of Mt. Hamiguitan Range Wildlife Sanctuary with Remarks on the Distribution of Endangered *Risiochnemis antoniae* in Davao Oriental Philippines. *Not Sci Biol*, 2018, 10(1):14-20. DOI: 10.15835/nsb10110253. Scopus in March 2021

Cabras, A.A., **Medina, M.N.D.**, Wiesner, J. 2016. Tiger Beetles (Coleoptera: Carabidae: Cicindelinae) of Compostela Valley Province, Mindanao Island, Philippines. *Biotropea*, 23(2), 137-143 (Scopus indexed journal; Sci Mago).

**Medina, M.N.D.** & Dela Cruz, R. 2016. Partial mitochondrial DNA barcode of *Rafflesia mira* using MatR with phylogenetic analysis of selected *Rafflesia* species in the world. *International Journal of Agriculture, Engineering, and Biotechnology*, 1(3), 374-380

**Medina, M.N.D.**, Amoroso, V.B., Kloppenburg, R.D. 2016. Changes of leaf morphology of *Hoya amorosoae* from varying light exposure: Its implications to species description and taxonomy. *Journal of Biodiversity and Environmental Science*, 8(6), 232-237.

**Medina, M.N.D.** & Kloppenburg, R.D. 2016. *Hoya josetteae* sp. nov. A new species of *Hoya* (Apocynaceae – Asclepiadaceae) from Mindanao Island Philippines. *Hoya New*, 4(5).

**Medina, M.N.D.** & Kloppenburg, R.D. 2016. *Hoya reyesii* sp. nov. A new species of *Hoya* (Apocynaceae – Asclepiadaceae) from Mindanao Island, Philippines. *Hoya New*, 3(2), 3-9.

**Medina, M.N.D.** & Cabras, A.A. 2016. Gametophyte development of *In-vitro* cultured *Diplazium esculentum* (Retz.) and *Asplenium nidus* L. University of Mindanao International Multidisciplinary Research Journal, 1(1), 143-151.

**Medina, M.N.D.**, Sivec, I., Villanueva, R.J.T. 2016. Philippine *Plecoptera* with four new records in Compostela Valley Province. *International Multidisciplinary Research Journal*, 1(1), 170-181.

**Medina, M.N.D.**, Cabras, A.A. Villanueva, R.J.T. 2015. Odonata Fauna of Compostela, Valley Province, Mindanao Island, Philippines. *International Journal of Current Research in Biosciences and Plant Biology*, 2(10), 104-109. ISSN: 2349-8080

Domingo, W.J., **Medina, M.N.D.**, Leaño, E. 2015. Annotated List of Bryophytes and Lichens from Mainit Hot Spring Protected Landscape, Nabunturan, Compostela Valley, Mindanao, Philippines. *International Journal of Current Research in Biosciences and Plant Biology* 2 (8).

**Medina, M.N.D.** Cabras, A.A. Villanueva, R.J.T. 2015. Odonata of Island Garden city of Samal and its Relation to other Small Islands in the Philippines. *International Research Journal of Biological Sciences*, 4(9), 54-60.

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

Villanueva, R.J., **Medina, M.N.D.** & Jumawan, K.M. 2013. *Pericnemis melansoni* sp. nov., a new damselfly (Odonata: Coenagrionidae) from Compostela Valley Province, Mindanao Island, Philippines. *Journal of Threatened Taxa* 5(7): 4110-4112. Scopus indexed

Taylor, P. C., & **Medina, M. N. D.** (2013). Educational Research Paradigms:From Positivism to Multiparadigmatic. *The Journal of Meaning-Centered Education*. Volume 1, Article 2, <http://www.meaningcentered.org/journal/volume-01/educationalresearchparadigms-from-positivism-to-multiparadigmatic>

Jumawan, K., **Medina, M.N.D.** & Villanueva, R.J.2012. Annotated list of Odonata from Mainit Hot Spring Protected Landscape, Compostela Valley, Mindanao Island, Philippines. *Philippine Journal of Systematic Biology*, 5(3). Scopus indexed.

Domingo, W.J., **Medina, M.N.D.**, & Leano, E.P. 2012. Checklist of bryophytes and lichens in Mainit Hot Spring Protected Landscape, Nabunturan, Compostela Valley, Mindanao, Philippines. *College Research Journal*, 1(2), 27-44.

Pilones, C.A., **Medina, M.N.D.**, & Leano, E.P. 2012. Pteridophytes of Mainit Hot Spring Protected Landscape, Nabunturan, Compostela Valley Province, Mindanao Island, Philippines. *College Research Journal*, 1(2), 72-84.

Castro, H., **Medina, M.N.D.**, Didato, F., & Pascual, K. 2011. Impact of banana plantations on the socio-economic status and health of the laborers, and environment of Barangay Cabidanan, Nabunturan, Compostela Valley Philippines. *College Research Journal*, 1(1), 73-82.

**Medina, M.N.D.** 2011. The life of Gregor Mendel: A book review from the book entitled "The monk in the garden: The lost and found of Gregor Mendel" by Robin Marantz Henig.. College Research Journal, 1(1), 44-51.

**Medina, M.N.D.** (2009). Effect of conceptual approach of teaching on the scores of students in biotechnology achievement test. Research Journal special ed. 5(1), 55-66.

**Medina, M.N.D.** (2009). Anti-diarrheal activity of Makahiya (*Mimosa pudica* L.) leaf extract on white mice induced with Escherichia coli pathogen. Research Journal special ed. 5(1), 131-135.

## **PUBLICATIONS (BOOK AND BOOK CHAPTER)**

**Medina MND.** (In press). Bioblitz: Towards Local Biodiversity Conservation: Together We Stand A Chance. In E Taylor & PC Taylor Eds. Transformative STEAM Education for Sustainable Development International Perspectives and Practices. Brill/Sense Publishing: Netherlands.

**Medina MND,** Taylor PC. 2019. Teaching and Learning Transformative Research Complexity, Challenge and Change. In PC Taylor & BC Luitel Eds. Sustainable Futures Global Voices and Visions: Bold Visions in Educational Research. Brill/Sense Publishing: Netherlands.

**Medina, M.N.D.,** Cabras, A.A. Villanueva, R.J.T. 2016. Alindanaw: First photoguide to Philippine Damselfly and Dragonfly. Nagao Ecological Foundation, Japan

Acledan, M., **Medina, M.N.D.,** Cabras, A., Espira, A., Subsuban, R. 2016. Earth and Life Science for K11. Manila: Mutya Publishing.

Maglana, W., **Medina, M.N.D.,** Cabras, A., Nabayra, E. 2015. Mainit Hot Springs Protected Landscape: Requiem for a watershed, reclaiming a lost heritage. Davao City: Nabunturan Balik-Kinaiyahan Foundation, Inc.

## **INVITED SPEAKER, LECTURES, TRAININGS, TALKS**

Basics on

Keynote speaker: International Webinar on Transformative education: Answering the challenges of industrial revolution era 4.0 and society 5.0. Jember University, Indonesia, May 29, 2021.

Resource Speaker, Rapid biodiversity assessment in Dole Philippines managed farms, October 4-6, 2021

Resource Speaker: Virtual Science Research Spotlight 2021. Topic: Ecology and taxonomy of beetles in the Philippines, hosted by Northern Mindanao State College of Science and Technology, Tangub City Philippines

Resource Speaker: Training-Workshop on Translating Thesis into Journal Articles and Increasing Article Citation, January 28-31, 2020, Western Mindanao State University, Zamboanga City

Resource speaker: Writing institutional research and advising student researches, September 8, 2015, UM Bansalan College

Resource speaker: 2<sup>nd</sup> Panag-ambit UM College of Education, theme "Strengthening the college culture of research", March 13, 2017

Resource speaker: Forum on biodiversity, UM, Davao City, February 27, 2017

Resource Person: Research training workshop series II, Journal Referee Process, hosted by UMRPC, October 27, 2017

Resource Speaker: Workshop on disciplined-based faculty research, UM Digos City, November 13, 2017

Two-Day Research Training-Workshop Series I, writing for publication, College of Engineering, UM Matina, October 11-12, 2017

Biodiversity assessment training-workshop in Stanfilco Malagos, Calinan Davao City Philippines with DOLE Philippines, August 17-18, 2017

Session Speaker: 2014 Southeast Asia Conference on Innovation for Inclusive Development Jakarta Indonesia, November 2014

Parallel Session Speaker: International conference on science and mathematics education 2012. Topic "Educational research paradigms: From positivism to multiparadigmatic" Mini-Auditorium, DPT Bldg. University of Mindanao, Davao City, March 2012.

Writing institutional research and advising student research, September 8, 2015, UM Bansalan College, September 8, 2015

Resource Person: Annual Research Congress of the University of Mindanao on "Biodiversity research" UM, Bolton, Davao City, April 2015

Resource Speaker: Public Forum on House Bill 554 Expansion of the Mainit Hot Spring Protected Landscape initiated by the Cong. Rommel Amatong and the House of Congress Prosperity Hall, Nabunturan, Compostela Valley, June 2012

Resource speaker: 2010 National Science Club Month (NSCM) with the theme "I Teach Science Seminar" 13rganized by the Philippine Society of Youth Science Club, NNCHS, Nabunturan Compostela Valley, September 2010

Resource speaker: 1<sup>st</sup> DACET & 3<sup>rd</sup> school-based SYSC Science CAMP, Maryknoll High School of Sto.Tomas, Davao Del Norte, September 2011

## **PUBLIC MEDIA AND INNOVATIVE EDUCATION**

2021 – GMA Regional TV on discovery new species of beetles, June 2021

2021 – 2 new beetle species named after UM researchers, Sunstar Davao, January 26, 2021, <https://www.sunstar.com.ph/article/1883959/Davao/Local-News/2-new-beetle-species-named-after-UM-researchers>

2021 – 2 new species named after UM researchers by Mindanao Times available at [https://issuu.com/mindanaotimes/docs/mt\\_01272021/5](https://issuu.com/mindanaotimes/docs/mt_01272021/5)

2021 – Rare beetle species named after Davao City available at <https://www.sunstar.com.ph/article/1892066/Davao/Local-News/Rare-beetle-species-named-after-Davao-City>

2020- "The Beetles of Calanasan". Featured at Business Mirror. May 17, 2020

2019 – Study: Dabawenyos have 'less concern for ecosystem', by ELIJAH ROMERO, ROBERTO A. GUMBA JR. on October 2, 2019, available at <https://www.sunstar.com.ph/article/1825859/Davao/Local-News/Study-Dabawenyos-have-less-concern-for-ecosystem>

2019- "UM partners with NatGeo–led science activities". Featured at Mindanao Times. September 17, 2019

2019- "Dazzling new mimic beetles found, may already be under threat" by Jason Bittel. Featured at National Geographic. August 1, 2019. <https://www.nationalgeographic.com/animals/2019/08/jewel-weevils-philippines-beetles-discovery/>

2019- "Gathering for Beetles". Featured at SunStar. April 27, 2019.

2019- "1<sup>st</sup> Meeting of Philippine Coleopterological Network produces journal on Philippine beetle species". Featured at Mindanao Times. April 27, 2020

2018- "Newly-identified beetle named after Mansaka IP group". Business World. October 24, 2018

2018- "Pollinator' beetle species discovered in Compostela Valley". By Rudolph Ian Alama. Featured at Philippine Information Agency on October 23, 2018

2018- "Endemic Beetles Discovered in ComVal" by Randie J. Comilang. Featured at SunStar. October 17, 2018

2018- "Newly-found beetle named after Mansaka" by Judiee Vega. EdgeDavao. October 19, 2018

2018 – Australia opens scholarship opportunities for Filipino development leaders, available at <https://philippines.embassy.gov.au/mnla/MR180123.html>

2017- "Biologists want 'critical habitat' for newly-discovered species in Davao" by Earl O. Condeza. Davao Today. March 09, 2017

2017 – Australia to honor outstanding Australian-Educated Filipinos, <https://philippines.embassy.gov.au/mnla/medrel180126.html>

2017 – Dr. Milton Norman Medina, 2017 Young Achievers Awardee by the Australian Embassy in the Philippines, [https://www.australiaawardsphilippines.org/alumni/alumni\\_excellence\\_awards/2017/milton-n-medina-excellence-2017](https://www.australiaawardsphilippines.org/alumni/alumni_excellence_awards/2017/milton-n-medina-excellence-2017)

2017 – Young scientists want students to study Philippine flora, fauna, by Alexander Lopez of Edge Davao, March 9, 2017, <https://edgedavao.net/the-big-news/2017/03/09/young-scientists-want-students-study-philippine-flora-fauna/>

2017 – Establishment of Research and Conservation Center in Mindanao Philippines, by Rufford Small Grants Foundation, May 2, 2017, <https://www.rufford.org/projects/milton-norman-d-medina/establishment-of-research-and-conservation-center-in-mindanao-philippines/>

2015 – Production of Information, Education, and Communication Materials towards Conservation of Local Biodiversity in Davao Oriental Philippines, Rufford Small Grants Foundation, September 28, 2015, <https://www.rufford.org/projects/milton-norman-d-medina/production-of-information-education-and-communication-materials-towards-conservation-of-local-biodiversity-in-davao-oriental-philippines/>

2014 – Project Leader, Distribution and habitat assessment of *Risio cnemis antoniae*: A Less known endangered damselfly from Eastern Mindanao, Philippines, funded by Mohamed bin Zayed Species Conservation Fund (Abu Dhabi), <https://www.speciesconservation.org/case-studies-projects/alindanaw/9226>

2013 – Plecoptera Fauna of Compostela Valley Province, Mindanao Island, Philippines, by Rufford Small Grants Foundation, January 30, 2013, <https://www.rufford.org/projects/milton-norman-d-medina/plecoptera-fauna-of-compostela-valley-province-mindanao-island-philippines/>

## RECENT PAPER PRESENTATIONS

"Review of the tiger beetle genus *Calomera* Motschulsky, 1862 (Coleoptera: Cicindelidae) of the Philippines" 2<sup>nd</sup> International Multidisciplinary Research Conference (IresCon 2021) March 12, 2021, University of Mindanao

CEBREM Seminar Series 2017. Topic: The underrated Wax Plants (*Hoya* spp.), CMU, Musuan, Bukidnon, April 21, 2017

"Transformative math and science education for meaning-making and lifelong learning", 1<sup>st</sup> International Transformative Science and Mathematics Conference, Kathmandu, Nepal, 2016

"Biodiversity Research Sampling Protocols for Local Communities", 2014 Southeast Asia Conference on Innovation for Inclusive Development, November 2014, Jakarta Indonesia

DOST – NAST on research entitled "Efficiency of Chitosan (Poly – [D] Glucosamine) as natural organic coagulant in pre-treatment of active carbon effluent, July 12-14, 2016 at Manila Hotel, Philippines.

1<sup>st</sup> International Conference on Society for the Study of Nature and Innovation for the Environment, Hotel Stotsenberg, Pampanga,

3<sup>rd</sup> International Agri-Business Economics Conference conducted by CHED Zonal Research Center RXI, UP-Mindanao, DACUN, and Australian Center for International Agricultural Research (ACIAR), Apo View Hotel, Davao City, July 2011.

## RECENT CONFERENCE/ SEMINARS ATTENDED

On-line weevil beetle workers conference and training hosted by Smithsonian Institution – National Museum of Natural History, Canada Museum of Nature, and Texas Tech University, via Zoom, October 22-23, 2021

Mindanao Regional Future Earth Community Mobilizing Workshop with the theme 'Synergizing knowledge and Governance for Sustainable Development in Mindanao in the Age of Disruptions', April 26&28, 2021 hosted by DOST-NAST

NRCP Capacity Development Seminar for Early Career Researchers (Phase 1), Choosing the right journal, May 4, 2021, hosted by DOST NAST

Training of local resource institutes (LRIs) for the 2017 CSIS implementation – Mindanao Cluster, July 3-5, 2017

Seminar on intellectual property rights, April 25, 2016

2017 Regional Invention Contest and Exhibit (RICE), July 3-5, 2017

Mindanao Research Forum with the theme "Setting the Research Agenda for Protected Areas in Mindanao: A forum with Academe, October 13-14, 2016

Regional workshop and information dissemination on the nomination for the Instruction, Research and Sectoral Engagement (IRSE) grants, Pinnacle Hotel, Davao City Philippines, April 21, 2016

Round table discussion with Thomson Reuters, March 16, 2016

22<sup>nd</sup> Philippine Biodiversity Symposium: Cultural and Biodiversity Values of Conservation Areas, Central Mindanao University 16rganized by WCSP, CMU, Flora and Fauna International, FPE, CORE, CEBREM, Bat Conservation, International, Cambridge University Press, KU Biodiversity Institute, and DENR RX, April 2013

Enhancing awareness on climate change and biodiversity conservation towards sustainable development: A multi-stakeholder approach and donors' forum DACS seminar office Juna Subdivision Davao City, April 2011

## **COMMUNITY WORKS & EXTENSION SERVICES**

Use of iNaturalist in biodiversity monitoring among the bantay gubat of Ovu manubu tribe in Davao City Philippines. Funded by University of Mindanao Extension Center. November 30 – December 3, 2021.

Conservation and protection of endangered species of damselfly in Mt. Hamiguitan Range Wildlife Sanctuary, funded by Mohamed Bin Zayed Species Conservation Fund, Abu Dhabi.

Bioblitz activity in Mt. Hamiguitan Range Wildlife Sanctuary, funded by National Geographic Society, 2018.

Bioblitz activity in Mt. Apo Natural Park, funded by National Geographic Society, 2019.

Bioblitz activity with Forest Guards in Davao City, funded by National Geographic Society, 2021

Conservation of an endangered damselfly *Risicnemis antoniae* in Davao Oriental 2014-2015

## **MEMBERSHIPS**



- Transformative Education Research Group – Philippines
- National Research Council of the Philippines (NRCP)
- National Organization of Science Teacher Educators (NOSTE) Philippines
- Wildlife Conservation Society in the Philippines (WCSP)
- Biology Teachers Association in the Philippines
- Philippine Society for the Study of Nature (PSSN)

## INSTRUCTIONAL MATERIALS DEVELOPED

Acledan, M., **Medina, M.N.D.**, Cabras, A., Espira, A., Subsuban, R. 2016. Earth and Life Science for K11. Manila: Mutya Publishing.

**Medina, M.** 2012. Laboratory Manual for Microbiology, University of Mindanao, Matina, Davao City Philippines.

**Medina, M.** 2012. Laboratory Manual for Intermediate Zoology, Assumption College of Nabunturan, Nabunturan, Compostela Valley 8800 Philippines.

**Medina, M.** 2010, 2011. Laboratory Manual for General and Inorganic Chemistry, Assumption College of Nabunturan, Nabunturan, Compostela Valley 8800

**Medina, M.** 2011. Laboratory Manual for Biotechniques, Assumption College of Nabunturan, Nabunturan, Compostela Valley 8800 Philippines.

**Medina, M.** 2011. Laboratory Manual for Microtechniques, Assumption College of Nabunturan, Nabunturan, Compostela Valley 8800 Philippines.

**Medina, M.** 2013. Laboratory Manual for Biological Science, University of Mindanao, Davao City, Philippines.

**Medina, M.** 2010. Laboratory Manual for Embryology, Assumption College of Nabunturan, Nabunturan, Compostela Valley 8800 Philippines.

**Medina, M.** 2013. Laboratory Manual for Biochemistry, University of Mindanao, Davao City, Philippines.

## EDITORIAL DUTIES

Editor-in-Chief, Journal of Tropical Coleopterology (JTC), <http://www.jtcoleop.com>

Editorial Board, Acta Biologica Daugavpils (Web-of-Science Indexed Journal)

Creator and Member of editorial board

University of Mindanao International Multidisciplinary Research Journal (UMIMRJ)  
<http://journal.umindanao.edu.ph/journal-home/about-the-journal/>

Reviewer of the following journals:

- Philippine Journal of Science (Scopus and Web-of Science indexed)
- Ecology & Evolution – Wiley Publishing (Scopus and Web-of Science indexed)
- Tropical Life Science
- Madayaw: San Pedro College Journal
- European Scientific Journal
- Asean Journal of Biodiversity (Web-of-Science Indexed)
- USEP Apokon: University Journal

## KEY COMPETENCIES AND SKILLS

1. Research project management
2. Beetle identification for family Cicindelidae in the Philippines, weevil beetles, and selected long horns and darkling beetles
3. Journal Management
4. Macro photography for beetles and other insect groups
5. Coleoptera Collection Protocol & project team management
6. Basic Molecular Biology Data Collection
7. Organize citizen science activities
8. Licensed Professional Teacher
9. NCII Professional Driver

## INVITED AS A JUDGE OR PANEL

Panel of reviewer, Annual RDE in-house review, Regional Integrated Coastal Resource Management Center-XI, Davao Oriental State University, August 28, 2020

Panel/ Head of reviewer in UM in-house research funding for faculty and students from 2013 up to the present

## EMPLOYMENT HISTORY

**Assistant vice-president** for natural science at the University of Mindanao, Davao City Philippines

June 2019 –  
September 2022

**Director, Institute for Biodiversity and Environment**  
University of Mindanao, Davao City Philippines

June 2018 –  
September 2022

<b>Director</b> for Qualitative Studies at the University of Mindanao, Davao City Philippines	November 2013- 2018
<b>Coordinator</b> , Research and Development Center – Assumption College of Nabunturan, Philippines	Jan. 2010-Oct. 2013
<b>College faculty</b> , Assumption College of Nabunturan	2006-July 2013
<b>Part-time college instructor</b> , Bukidnon State University-MLC	2007-2008

## CHARACTER REFERENCES

### 1.) DR. PETER CHARLES TAYLOR

Murdoch University, Western Australia

- \* Director, International Transformative Educational Research Network (ITERN)
- \* Adjunct Professor, Transformative STEAM Education, Murdoch University, Australia
- \* Independent Scholar & Consultant
- \* Member, United Nations Association of Australia (WA Branch)

Email: [p.taylor@murdoch.edu.au](mailto:p.taylor@murdoch.edu.au)

Mobile: (+61) 0414 841 850

Profile: <http://profiles.murdoch.edu.au/myprofile/peter-taylor/>

### 2.) DR. MATTHEW VAN DAM

Post-doctoral researcher, California Academy of Sciences. San Francisco, CA 94118.

Email: [mvandam@calacademy.org](mailto:mvandam@calacademy.org)

### 3.) DR. ARVIDS BARSEVSKIS

Vice Rector for Science & Director for Research, Institute of Life Sciences and Technology, Coleopterological Research Center. Daugavpils, LV5401, Latvia.

Email: [arvids.barsevskis@du.lv](mailto:arvids.barsevskis@du.lv)

### 4.) DR. JAYSON YBANEZ

Director for Research and Extension, PEF

Mobile: 0917 700 6326

Email: [ibanez.jayson@gmail.com](mailto:ibanez.jayson@gmail.com)

### 5.) MR. RUEL CULONG

CENRO, Digos City Philippines

Mobile: 09169256518/ 09283157277

### 6.) DR. ROY PONCE

PRESIDENT, DORSU

SUC President III

Mobile: 09171458673

Email: [royg.ponce@dorsu.edu.ph](mailto:royg.ponce@dorsu.edu.ph)