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EDUCATION

2017 - :

University of Nebraska Lincoln

PhD student in Natural Resource Sciences – Applied Ecology
Dissertation: Impacts of anthropogenic pressures on ocelots (Leopardus pardalis) in the Maya Biosphere Reserve in Guatemala
Advisor: Dr. Drew Tyre and Co-advisor Dr. Jeff Thompson

2014 - 2016:

Universidad del Valle de Guatemala

Masters Degree in Higher Education, M. A.
Thesis: Case Studies as a Teaching and Learning Method used in the course Biometry for Biology students at Universidad del Valle de Guatemala
Advisor: Martha Ligia Naranjo, MA.

2008 – 2010

Universidad de San Carlos de Guatemala

Masters Degree in Wildlife Management, M. Sc.
Thesis: Density and Abundance of ocelots (Leopardus pardalis) at Biotopo Protegido Dos Lagunas, Peten, Guatemala, using camera traps
Advisor: Dr. Dennis Guerra Centeno

2001-2007

Universidad del Valle de Guatemala

B. Sc. in Biology

PEER REVIEWED PUBLICATIONS

1. Burnett et al., (2019). bbsAssistant: An R package for downloading and handling data and information from the North American Breeding Bird Survey. *Journal of Open Source Software*, 4(44), 1768. <https://doi.org/10.21105/joss.01768>
2. Marmol-Kattan, Alejandro, Gabriela Palomo-Munoz, Juan Pablo Pinto-Meneses, and Isabella Rosito-Prado. 2019. "Registro notable de dos mesocarnívoros en el bosque nuboso de Baja Verapaz, Guatemala." *Revista Mexicana de Mastozoología Nueva Epoca*, no. 1: 56–61. DOI: <http://dx.doi.org/10.22201/ie.20074484e.2019.1.1.271>
3. Wdix, Michael, Gabriela Palomo-Muñoz, and Margaret A Dix. 2017. "Bromelias Del Jardín Botánico Del Departamento de Biología de La Universidad Del Valle de Guatemala." *Revista de La Universidad Del Valle de Guatemala*, no. 34: 20–30. <https://www.uvg.edu.gt/servicios/volumen-34/>
4. Cano, Enio B, and Gabriela Palomo-Muñoz. 2017. "La Verdadera Identidad Del Chupacabras: La Importancia de Las Colecciones de Historia Natural En La Desarticulacion de Los Mitos Modernos." *Revista de La Universidad de Guatemala*, no. 34: 50–57. <https://www.uvg.edu.gt/servicios/volumen-34/>
5. Palomo Muñoz, Gabriela. 2015. "Densidad y Abundancia de Ocelotes (Leopardus Pardalis) En El Biotopo Protegido Dos Lagunas, Petén, Guatemala, Usando Trampas Cámara." MSc Thesis, Universidad de San Carlos de Guatemala.

6. Palomo-Muñoz, Gabriela, Rony García-Anleu, Gabriela Ponce-Santizo, and José F. Moreira- Ramírez. 2014. “Abundancia, densidad y patrones de actividad de ocelotes (*Leopardus pardalis*) utilizando trampas cámara en el Biotopo Protegido Dos Lagunas, Petén, Guatemala.” *Revista de la Universidad del Valle de Guatemala*, no. 29: 39–46. <https://www.uvg.edu.gt/servicios/volumen-29/>

EXPECTED PUBLICATIONS

1. Palomo-Munoz, Gabriela, Andrew J Tyre. 2021. The anthropogenic niche: incorporating anthropogenic effects into carnivores’ realized niche.
2. Palomo-Munoz, Gabriela. Rony García-Anleu. Andrew J Tyre. 2021. Ocelots’ density across a human impacted landscape in the Maya Biosphere Reserve.
3. Palomo-Munoz, Gabriela. Rony García-Anleu. Andrew J Tyre. 2021. Effects of anthropic features on temporal and spatio-temporal interactions among carnivores and potential prey in the Maya Biosphere Reserve in Guatemala.
4. Palomo-Munoz, Gabriela. Rony Garcia-Anleu. Jeffrey J Thompson. Andrew J Tyre. 2021. Spatial and temporal partitioning of jaguars and pumas in the Maya Biosphere Reserve of Guatemala.
5. Palomo-Munoz, Gabriela. Rony Garcia-Anleu. Andrew J Tyre. 2022. Anthropogenic effects on carnivores’ co-occurrence patterns in the Maya Biosphere Reserve in Guatemala.

PRESENTATIONS AND POSTERS

1. Palomo-Munoz, Gabriela. 2020 September. Temporal Partitioning of Jaguars and Pumas in the Maya Biosphere Reserve of Guatemala. The Wildlife Society 2020 Conference. [Presentation in English].
2. Palomo-Munoz, Gabriela. 2020 May 22. Estudios de Evaluacion y Conservacion de Vertebrados Usando Trampas Camara. Organización de Estudiantes de Biología de la Universidad de San Carlos de Guatemala. OEB. USAC. [Presentation in Spanish].
3. Palomo-Munoz, Gabriela. 2020 January 27. Debunking the Modern Wildlife Myths and their Risk to Wildlife Conservation. Midwest Fish and Wildlife Conference. Springfield, IL. [Poster in English].

R CONTRIBUTIONS

1. Palomo-Munoz, Gabriela. 2019. R Cheatsheet:oSCR. <https://github.com/rstudio/cheatsheets/blob/master/oSCR.pdf>
2. Palomo-Munoz, Gabriela. 2019. *R Cheatsheet: Rphylopic*. <https://github.com/rstudio/cheatsheets/blob/master/rphylopic.pdf>

RESEARCH EXPERIENCE

2011 – 2016: I worked as the Head Curator of the Vertebrate and Invertebrate Collection and the Director of the Botanical Garden at Universidad del Valle de Guatemala.

2010 - 2012: I worked with Wildlife Conservation Society in Guatemala (WCS-Guatemala) in a research project called Density and Abundance of ocelots (*Leopardus pardalis*) at Ecological Park Dos Lagunas, Petén, Guatemala using camera traps. We estimated the density and population size of this species for this area using a Bayesian approach with a capture-recapture model using photographs taken with camera traps. We also studied what other animals were using the same area to model what the diet of the ocelot might consist of in this area.

2007 - 2008: I worked at Museo de Historia Natural (MUSHNAT-USAC, National History Museum of San Carlos University) and Universidad del Valle de Guatemala (UVG) in a project called Molluscs in Marine Pastures and Manglar in Marine Protected Areas in Guatemala. Phase I: Atlantic Coast. This project was funded by Consejo Nacional de Ciencia y Tecnología (CONCYT).

2005 - 2006: I worked at Museo de Historia Natural (MUSHNAT-USAC, National History Museum of San Carlos University) and Universidad del Valle de Guatemala (UVG) in a project called Biodiversity Information System for Guatemala (SGIB), Phase II: Molluscs. This project was funded by Consejo Nacional de Ciencia y Tecnología (CONCYT)

TEACHING EXPERIENCE

2020:

**University of Nebraska Lincoln
School of Natural Resources**

Teaching assistant – Wildlife Management
Techniques, Fall semester

Teaching assistant – Wildlife Field Techniques
, Fall semester

Lead instructor – Special Topics: introduction
to R, Spring semester

2019:

**University of Nebraska Lincoln
School of Natural Resources**

Teaching assistant – Ecology Lab, Spring and
Fall semester

2016:

**Universidad del Valle de Guatemala
Biology Department**

1. Zoology of Vertebrates – Mammals
2. Zoology of Invertebrates
3. Biometry

Mathematics Department

1. Statistical Modelling 1 & 2

2015:

**Universidad del Valle de Guatemala
Biology Department**

1. Zoology of Invertebrates
2. Toxinology – Invertebrates
3. Ecology
4. Biometry

Mathematics Department

1. Statistical Modelling 1 & 2

2014:

**Universidad del Valle de Guatemala
Biology Department**

1. Ecology
2. Biometry
3. Biology
4. Zoology of Invertebrates

Mathematics Department

1. Statistical Modelling 1 & 2

2013:

**Universidad del Valle de Guatemala
Biology Department**

1. Ecology
2. Life Sciences
3. Zoology of Invertebrates
4. Planning and Evaluation of Projects

2012:

**Universidad del Valle de Guatemala
Biology Department**

1. Life Sciences
2. Zoology of Invertebrates
3. Planning and Evaluation of Projects
4. Demography, population and natural resource

2011:

**Universidad del Valle de Guatemala
Biology Department**

1. Zoology of Invertebrates (Diversidad de Protistas e Invertebrados)

SCHOLARSHIPS AND AWARDS

2020:

**Lee Fenske Memorial Award for Graduate Students Midwest
Fish and Wildlife Conference 2020, Finalist**

2019-2021:

**University of Nebraska Lincoln
Teaching Assistantship, School of Natural Resources, University of Nebraska Lincoln**

2017-2019:

**Fulbright Scholarship
Scholarship for a PhD Degree in Applied Ecology at the University of Nebraska Lincoln**

2014-2017:

**Universidad del Valle de Guatemala
Scholarship for a Master's Degree in Higher Education**

2016:

**Biodiversity International and Universidad del Valle de Guatemala
International Workshop on the Weitzman Method for the prioritization of genetic
resources for in situ conservation
Lima, Peru
May 4th – 6th**

2006:

**Theoretical and Practical Workshop in Methodological Fundamentals in conservation and
Sustainable Management of Fauna and Flora in Central America
Hosted by: Red Alpha BioDeCA Europe Aid – Salamanca University, Spain July
24th to August 11th 2006
Nicaragua, Central America**

MEMBERSHIP ORGANIZATIONS

1. TWS: The Wildlife Society; *Biometric Working Group*.
2. ASM: American Society of Mammalogy.
3. ESA: The Ecological Society of America; *Latin American Chapter*.
4. ASOGUAMA: Asociacion Guatemalteca de Mastozoologia.