

## *Curriculum vitae*

Natalia Pérez-Amaya  
Institute of Natural Sciences  
National University of Colombia  
Bogota, Colombia  
+57 3142420428; njpereza@unal.edu.co  
Website: [www.nperez-amaya.com](http://www.nperez-amaya.com)

### **EDUCATION**

2021–Present. Ph.D. candidate. Dept. of Biology, National University of Colombia, Bogota.  
2018. Biology M.Sc. Dept. of Biology, Valley University, Valle del Cauca, Colombia.  
2013. Biology BS. Dept. of Biology, National University of Colombia, Bogota.

### *Specialized courses*

2023. Population genomics and RADseq. University of Antioquia. July 18–27.  
2022. The extended specimen. Taxidermy, tissues, and data in the 21st Century. Argentine Museum of Natural Sciences. August 22–26.  
2019. Scientific writing workshop in ecology and evolutionary biology. Alexander von Humboldt Institute. March 11-12.  
2016. Introductory course in comparative phylogenetic methods. Valley University. August 14–16.  
2015. Advanced course in bird research and management techniques. University of Caldas. November 27–30.  
2014. Scientific writing workshop. Colombian Ornithological Association. October 18–19.  
2013. Basic bird banding course. University of Tolima. Colombia. August 15–18.  
2013. Species distribution models. National University of Colombia. July 2–4.  
2012. Use of molecular methods in biogeographic inference and distribution models. Institute of Natural Sciences and Royal Botanical Garden of Madrid. February 21 to March 2.

### **AWARDS**

2024. SSB Graduate Student Research Award. Society of Systematic Biologists (1,500 USD).  
2024. College of Sciences graduate research award. Nacional University of Colombia (20.000.000 COP/4,800 USD).  
2024. Chapman Research Grant. American Museum of Natural History (2,800 USD).  
2021–2025. Fellowship of the Bicentennial Program of Doctoral Excellence. Ministry of Science, Technology and Innovation, Colombia (60,000 USD).  
2012. Endangered Species Initiative. Omacha Foundation, Colombia (1,250 USD).

### **PUBLICATIONS IN REVIEW**

**N. Pérez-Amaya**, M. H. C. Neate-Clegg, C. D. Cadena, J. Soto-Patiño, N. Ocampo-Peñuela, and A. M. Cuervo. Century-long shifts in body size and proportions of lowland rainforest birds. Submitted to *Evolutionary Ecology*.

Ocampo-Sandoval, M., L. M. Vallejos, I. S. Saldaña, A. Olvera-Vital, A. Trujillo-Acosta, N. **Pérez-Amaya**, G. J. Diaz-Rodríguez, R. Cortes-Romay, A. A. Villamil-Rodríguez, K. Bonilla, A. Ramírez, R. Saint Clair, K. Andrade, F. C. Gorleri, B. Bosarreyes, and H. V. Norambuena. An in-depth sampling of hundreds of articles in Neotropical ornithology reveals a disparity pattern in geographic representation, author identity, and funding sources. Submitted to *PlosOne*.

#### PEER-REVIEWED PUBLICATIONS

8. Sedano-Cruz R. E., N. **Pérez-Amaya**, and H. F. Ribera Gutiérrez. 2024. Vocal and genetic variation between a land-bridge island and mainland populations of the Black-crowned Antshrike (*Thamnophilus atrinucha*). *Behavioral Ecology and Sociobiology* 78:42. <https://doi.org/10.1007/s00265-024-03455-6>

7. Soto-Patiño, J., N. **Pérez-Amaya**, N. Niño-Rodríguez, G. Muñoz-Quintana, and N. Ocampo-Peñuela. Mujeres en la ornitología colombiana: Perspectivas históricas y tendencias de participación en dos contextos académicos [Women in Colombian ornithology: Historical perspectives and participation trends in two academic contexts]. *Ornitología Colombiana* 24:59–74. Spanish. <https://doi.org/10.59517/oc.e574>

6. Soto-Patiño, J., K. Certuche-Cubillos, J. Diaz-Cárdenas, D. Garzón-Lozano, E. Guzmán-Moreno, N. Niño-Rodríguez, N. **Pérez-Amaya**, and N. Ocampo-Peñuela. The once-invisible legacy of Elizabeth L. Kerr, a naturalist in the early 20th century, and her contributions to Colombian ornithology. 2023. *Ornithological applications* 125(2):1–8. <https://doi.org/10.1093/ornithapp/duad006>

5. Acevedo-Charry, O. N. Bonilla-S, N. Cano, P. A. Camargo, D. Carantón-Ayala, R. Carrillo, M. A. Chadid, O. Cortés, D. Cueva, G. J. Díaz-Rodríguez, O. H. Marín-Gómez, J. P. López-O, N. A. Peralta-Zapata, N. **Pérez-Amaya**, A. Pinto-Gómez, W. Ramírez, and F. G. Stiles. 2021. Inventario, adiciones y análisis biogeográfico de las aves de San José del Guaviare, Guaviare, Colombia [Inventory, additions, and biogeographic analysis of the birds of San José del Guaviare, Guaviare, Colombia]. *Ornitología Colombiana* 19:65–93. Spanish.

4. Palacios-Mosquera, L., S. Cuadrado-Ríos, M. Murillo León, S. Villegas-Rosas, O. A. Zamora-Vélez, N. **Pérez-Amaya**, A. M. Jiménez-Ortega, H. Mantilla-Meluk, and P. M. Velazco. 2020. Systematics and taxonomy of *Platyrrhinus chocoensis* (Chiroptera: Phyllostomidae) based on morphometric and genetic analyses: implications for biogeography and conservation. *Mammalian Biology* 100:113–124.

3. Mantilla-Meluk, H., N. **Pérez-Amaya**, and P. M. Velazco. 2019. Morphometric variation of the genus *Lonchorhina* (Chiroptera, Lonchorhininae), with noteworthy comments on taxonomy and distributional range extensions. In: R. D. Bradley, H. H. Genoways, D. J. Schmidly y L. C. Bradley (Eds.), *From field to laboratory: a memorial volume in honor of Robert J. Baker*. Special Publications, Museum of Texas Tech University 71: 149–168.

2. Mantilla-Meluk, H., F. Mosquera Guerra, F. Trujillo, N. **Pérez-Amaya**, A. Velásquez-Valencia, and A. Vargas Pérez. 2017. Mamíferos del sector norte del Parque Nacional Natural Serranía de

Chiribiquete [Mammals of the northern sector of the Serranía de Chiribiquete National Natural Park]. *Revista Colombia Amazónica* No. 10:99–134. Spanish.

1. Mantilla-Meluk, H. and N. **Pérez-Amaya**. 2012. Primate handling on fruits of *Brosimum alicastrum* and their effect on available offer for secondary mammal consumers. *Revista Biodiversidad Neotropical* 2(2):131–137.

## THESES

2018. Master of Science in Biology. Evaluación de los criterios implementados en la categorización del riesgo de extinción de aves de Colombia y la contribución de elementos filogenéticos al riesgo de amenaza en especies del género *Coeligena* (Aves: Trochilidae) [Evaluation of the criteria implemented in the categorization of the extinction risk of birds in Colombia and the contribution of phylogenetic elements to the risk of threat in species of the genus *Coeligena* (Aves: Trochilidae)]. Spanish.

2013. Bachelor of Science in Biology. Caracterización ornitológica de algunos sectores en la ruta libertadora dentro del Parque Nacional Natural Pisba [Ornithological characterization of several sectors along the Ruta Libertadora in Pisba National Natural Park]. Spanish.

## GOVERNMENTAL PUBLICATIONS

2. Mantilla-Meluk, H., D. Lizcano, V. Díaz-Giraldo, F. Mosquera-Guerra, N. **Pérez-Amaya**, and F. Trujillo (Eds.). 2019. Plan de manejo para la conservación del venado soche (*Mazama rufina*) en el departamento del Quindío [Management plan for the conservation of the Soche deer (*Mazama rufina*) in the department of Quindío]. Corporación Autónoma Regional del Quindío (CRQ), Armenia, Quindío, Colombia. Spanish.

1. Mantilla-Meluk, H., N. **Pérez-Amaya**, S. Vásquez, C. Chica, E. Castaño, V. Díaz Giraldo, M. Botero Zuluaga, S. Montilla Orozco, N. Torres, F. Osorio, J. Giraldo, and D. Sánchez. 2018. Capítulo 2- Mastofauna y Avifauna. En: Tesoros naturales protegidos del Quindío. Una mirada para la conservación [Chapter 2- mastofauna and avifauna in protected natural treasures of Quindío. A look towards conservation]. Vicerrectoría de Investigaciones Universidad del Quindío y Corporación Autónoma Regional del Quindío (CRQ). Spanish.

## OUTREACH PUBLICATIONS

2. Niño-Rodríguez, N., B. Brandon, J. Soto-Patiño, A. M. Cuervo, J. Díaz-Cárdenas, C. Gómez, N. Ocampo-Peñuela, D. Ocampo, N. **Pérez-Amaya**, G. Seholzer, A. Sierra-Ricaurte, and D. Cadena. 2023. Aves y gentes: dialogar saberes y entrelazar conocimientos [Birds and peoples: a dialogue and connection of knowledge]. *Imprenta Publicación divulgativa de la Facultad de Ciencias Sociales*. University of the Andes. Edition 2:31–37. Spanish.

<https://cienciassociales.uniandes.edu.co/imprenta/aves-y-gentes-dialogar-saberes-y-entrelazar-conocimientos/>

1. Acevedo-Charry, O., C. Alfonso, D. Cueva, N. **Pérez-Amaya**, and F. G. Stiles. 2010. Guía aves del campus de la Universidad Nacional de Colombia [Bird guide to the campus of the National

University of Colombia]. Project Management Program, National University of Colombia. Spanish.

## **EXPERIENCE IN TEACHING AND ENVIRONMENTAL EDUCATION**

2023. Co-Advisor. Undergraduate thesis: Modelamiento de nicho de dos aves amazónicas (*Hemitriccus striaticollis* y *Hemitriccus iohannis*) y su proyección a futuro [Modeling the present and future niches of two Amazonian birds (*Hemitriccus striaticollis* and *Hemitriccus iohannis*)].
- 2021–Present. Co-Advisor. Undergraduate thesis: Densidad poblacional y territorialidad del cucarachero de pantano (*Cistothorus apolinari*) en el Parque Nacional Natural Pisba en Boyacá, Colombia [Population density and territoriality in Apolinar’s Wren (*Cistothorus apolinari*) in Pisba National Natural Park, Boyaca, Colombia].
2022. Instructor. Course: Curatorial techniques for the preparation of scientific bird specimens. VII Colombian Congress of Ornithology. Popayán, Colombia.
2022. Instructor. Course: Curatorial techniques for the preparation of scientific bird specimens. College of Sciences and Institute of Natural Sciences, National University of Colombia. Bogota.
2017. Teaching assistant. Course: Laboratory zoology of vertebrates. Department of Biology, University of the Valley, Valle del Cauca, Colombia.
2014. Advisor for research projects of the Ondas Program of Colciencias in the municipalities of Quindio, Colombia. Vice-Rector for the Research University of Quindío.
2011. Guide in summer festival program “Birding at the festival”. Bogota Association of Ornithology (ABO).

## **PROFESSIONAL EXPERIENCE**

2024. Ornithologist. BIO-Expedition to the lagoon and fluvial system of the lower Guayabero and upper Guaviare rivers - Nature, Peace and Territory”. San José del Guaviare, Colombia. 2024.
2023. Ornithologist. Análisis comparativos de morfología, vocalizaciones, y genética de aves y monitoreo de mamíferos en la Cordillera Azul [Comparative analyses of morphology, vocalizations, and genetics of birds and monitoring of mammals in the Cordillera Azul]. Cordillera Azul National Park, Huánuco, Peru.
2022. Organizer and part of the scientific committee. VII Colombian Congress of Ornithology. Popayán, Colombia.
- 2021–2022. Vice-president. Colombian Ornithological Association.
2021. Ornithologist and specimen preparator. Expediciones-Bio: Alas, cantos y colores [Expeditions-BIO: wings, songs, and colors]. Alexander von Humboldt Institute; Institute of Natural Sciences, National University of Colombia. Bogotá, Colombia.
2021. Ornithologist. Biodiversidad de hemoparásitos en las sabanas inundables del Casanare: caracterización morfológica y molecular de los parásitos de herpétos, aves y mamíferos [Biodiversity of hemiparasites in the flooded savannas of Casanare: morphological and molecular characterization of herps, bird and mammal parasites]. University of Colombia.
2020. Guest researcher. Expediciones-Bio “Alas, cantos y colores”. [“Expeditions-BIO, wings, songs, and colors”]. Honda-Tolima, Guaduas-Cundinamarca, Colombia.
2020. Organizer. Vallecaucano Ornithology Seminar, Cali, Colombia.

2020. Ornithologist. “Strengthening of the integral management of biodiversity and ecosystem services for the establishment of tools that contribute to its conservation in post-agreement areas of the department of Caquetá – Caquetá-BIO”. University of Amazon, Florencia, Colombia.
- 2019–2020. Ornithology collection manager. Museum of Natural History – University of Amazonia, Florencia, Colombia.
2018. Ornithologist. Formulation of the environmental management and public use plan for determining the carrying capacity for the Laguna La Venturosa wetland in the municipality of Puerto López. La Palmita Natural Reserve Foundation, Colombia.
- 2016–2018. Ornithologist. Identification of significant evolutionary units of species of importance for conservation in the Gorgona National Natural Park.
2016. Field technician for bird and mammal teams. Biotic documentation of the Chiribiquete National Natural Park. Colombian Academy of Exact, Physical and Natural Sciences.
2015. Field technician - foothill bird component. Understanding biodiversity in the floodplains and foothills of the Colombian Orinoco for use, management, and conservation. La Palmita Natural Reserve Foundation, Colombia.

### CONFERENCE PRESENTATIONS

2024. UN Conference on Biological Diversity (COP-16): National University of Colombia Natural and Knowledge Sanctuary. Oral presentation: Resurvey Colombia: Bird responses to global climate and regional landscape changes in the Anthropocene. Palmira, Colombia.
2022. VII Colombian Congress of Ornithology. Oral presentation: Launching the Network of Colombian Women Ornithologists. Popayán, Colombia.
2019. VI Colombian Congress of Ornithology. Oral presentation: Phenotypic variation and phylogeographic structure of *Phaethornis guy* (Trochilidae). Ibagué, Colombia.
2019. VI Colombian Congress of Ornithology. Oral presentation: Characterization of the vocal and genetic variation of the Black-crowned Antshrike (*Thamnophilus atrinucha*), a species without vocal learning (Aves: Thamnophilidae). Ibagué, Colombia.
2019. VI Colombian Congress of Ornithology. Oral presentation: Evaluation of the relevant ecological and morphological variables in the categorization of the risk of extinction of birds in Colombia. Ibagué, Colombia.
2019. XI Congress of Tropical Ornithology and VI Costa Rican Congress of Ornithology. Oral presentation: Phenotypic variation and phylogeographic structure of *Phaethornis guy* (Trochilidae). San José, Costa Rica.
2019. XI Congress of Tropical Ornithology and VI Costa Rican Congress of Ornithology. Oral presentation: Evaluation of the relevant ecological and morphological variables in the categorization of the extinction risk of birds in Colombia. San José, Costa Rica.
2018. V Colombian Congress of Zoology. Symposium on Phylogeography and Animal Evolution in the Neotropics. Poster: Evaluation of altitudinal distribution patterns in the genus *Coeligena* (Aves: Trochilidae). Bogotá, Colombia.
2018. V Colombian Congress of Zoology. Symposium on Phylogeography and Animal Evolution in the Neotropics. Oral presentation: Evaluation of the informative contribution of the variables implemented in the categorization of the risk of extinction of birds in Colombia. Bogotá, Colombia.

2017. V Colombian symposium of evolutionary biology. Poster: Ancestral reconstruction of the altitudinal distribution in mountain hummingbirds of the genus *Coeligena* (Trochilidae: Aves). Cali, Colombia.

### **PUBLIC OUTREACH PRESENTATIONS**

2024. 1st Avifaunal Meeting of the National Pedagogical University. Oral presentation: Women in Ornithology. Bogota, Colombia.

2024. Academic and cultural agenda, Museum of Natural History, Faculty of Science, National University of Colombia. Oral presentation: Scientists, women ornithologists, and birds. Bogota, Colombia.

2023. Panel discussion with the El Espectador Newspaper. Speaker in the conversation: Let's talk without stereotypes about women, science, and journalism. Bogota, Colombia.

2022. 10th Avitourism Congress. Oral presentation: Expeditions-BIO—wings, songs, and colors: a flight with memory. Manizales, Colombia.

2022. National Meeting of Ornithology. Panel discussion on the Honda biological expeditions. Honda, Colombia.