Andrés F. Ramírez-Mejía

PhD fellow at CONICET

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I'm a biologist interested in using landscape and functional ecology and plant-animal interactions to study how spatial patterns modulate biological responses of mammals and pollinators. I'm very passionate about nature, literature, data science, and R programming.

Education

Universidad Nacional de Tucumán	*Tucumán, Argentina*
PhD. Biological science	*2018-Present*
Pontificia Universidad Javeriana	*Bogotá, Colombia*
MSc. Conservation and Use of Biodiversity	*2015-2017*
Universidad de Caldas	*Manizales, Colombia*
BSc. Biologist	*2008-2014*

Awards and distinctions

- **2017** Academic merit award during studies of master degree, at the Pontificia Universidad Javeriana. Bogotá, Colombia.

- **2017** Graduated with honors CUM LAUDE. Master in Conservation and Use of Biodiversity at the Pontificia Universidad Javeriana. Pontificia Universidad Javeriana. Bogotá, Colombia

- **2017** Master degree thesis with honorary mention. Master in Conservation and Use of Biodiversity at the Pontificia Universidad Javeriana. Bogotá, Colombia.

- **2017** Doctoral fellowship granted by National Scientific and Technical Research Council - Argentina (CONICET). Resolution N° 4122. Thesis: Interacciones planta-animal en cultivos de arándanos (*Vaccinium corymbosum*, Ericaceae) y efectos recíprocos con el bosque nativo de Yungas.

Research grants

François Vuilleumier Fund for Research on Neotropical Birds	*EEUU*
Awarded in 2018 by Neotropical Ornithological Society	*$1000 US*

- Servicios ecosistémicos provistos por picaflores (Trochilidae): la polinización del arándano en el noroeste de Argentina

Beca Aves Argentinas, de Apoyo a la Ornitología Argentina	*Argentina*
Awarded in 2020 by Aves Argentinas - Sociedad Ornitológica de la Plata	*$50000 ARS ($640 US)*

- Servicios ecosistémicos provistos por picaflores (Trochilidae): la polinización del arándano en el noroeste de Argentina

Publications and oral presentations

Published articles

1. **Ramírez-Mejía A F**, Urbina-Cardona N, & Sánchez F. The interplay of spatial scale and landscape transformation moderates the abundance and intraspecific variation in the ecomorphological traits of a phyllostomid bat. *Journal of Tropical Ecology*. 38(1), 31-38. DOI: `doi:10.1017/S026646742100047X`

2. **Ramírez-Mejía A F**, Echeverry-Galvis M A, & Sánchez F. (2021). Activity and habitat use by understory birds in a native Andean forest and a eucalypt plantation . *Wilson Journal of Ornithology*. 132(3): 721-729. DOI: doi.org/10.1676/19-54

3. **Ramírez-Mejía A F**, Urbina-Cardona N, & Sánchez F. (2020) Functional diversity of phyllostomid bats in an urban-rural landscape: a scale-dependent analysis. *Biotropica*. 52(6): 1168-1182. DOI: doi.org/10.1111/btp.12816.

4. **Ramírez-Mejía A F**, & Sánchez F. (2016). Activity patterns and habitat use of mammals in an Andean forest and a Eucalyptus reforestation in Colombia. *Hystrix, the Italian Journal of Mammalogy*, 27(2): 104-110. DOI: doi.org/10.4404/hystrix-27.2-11319.

5. **Ramírez-Mejía A F**, & Sánchez F. (2015). Non-volant mammals in a protected area on the Central Andes of Colombia: new records for the Caldas department and the Chinchiná River basin. *Check List*, 11(2):1-6, Article 1582. DOI: dx.doi.org/10.15560/11.2.1582.

Under review

1. **Ramírez-Mejía A F**, Lomáscolo S & Blendinger P. Hummingbirds, honeybees, and wild insect pollinators enhance fruit quality of blueberries depending on variety and farm's spatial context. *Agriculture Ecosystems and Environment*

2. Blendinger P G, Rojas T N, **Ramírez-Mejía A F**, Bender I M A, Lomáscolo S, Magro J, Núñez Montellano M G, Ruggera R A, Valoy M & Ordano M. Nutrient balance and energy-acquisition effectiveness: do birds adjust their fruit diet to achieve intake targets? *Functional Ecology*

In preparation

1. **Ramírez-Mejía A F**, Dos Santos D A, Chacoff N, Lomáscolo S & Blendinger P. Integrating fuzzy logic and pollination ecology for better crop production: a study case assessing pollination service in blueberry crops

Theses

PhD. 2018 - Present. Plant-animal interactions in crops and reciprocal effects with the Yungas forest. Thesis advisors: Pedro G. Blendinger, PhD; independent research CONICET, assistant professor UNT. Silvia Lomáscolo, PhD; assistant researcher CONICET.

MSc. 2017. Functional and taxonomic diversity, and seed dispersion by phyllostomid bats in an anthropogenic landscape: a scale-dependent analysis. Thesis advisors: Francisco Sánchez, PhD; Universidad de los Llanos, Colombia. J. Nicolás Urbina-Cardona, PhD; Pontificia Universidad Javeriana, Colombia.

BSc. 2014. Activity pattern, habitat use, and mammals richness in native and reforested forests at the Colombian Andes. Thesis advisor: Francisco Sánchez, PhD; Universidad Militar Nueva Granada, Cundinamarca, Colombia.

Oral Presentations

2021. *Blueberry pollination at the NOA, are wild species important?*. Tucumán, Argentina.

2014. *Activity and habitat use of soil forage mammals in an Andean forest and a Eucalyptus reforestation*. II Symposium of small carnivores. IV Colombian congres fo zoology. Cartagena, Colombia.

2014. *Species richness, use and traditional knowledge of mammals in the National Natural Park Los Nevados*. III Symposium of regional biology. Armenia, Colombia.

Teaching

Introduction to R programming   *Tucumán, Argentina*
Universidad Nacional de Tucumán, Facultad de Ciencias Naturales e Instituto Miguel Lillo   *2019*
• Offered to Biological Science students. Level: Undergraduate.

Data Clinic   *Tucumán, Argentina*
Universidad Nacional de Tucumán, Facultad de Ciencias Naturales e Instituto Miguel Lillo   *2021*
• Offered to Biological Science, Agronomy and Biotechnology students. Level: PhD.

Graduate courses

Models and data in ecology   *Bariloche, Argenttina (virtual)*
Universidad Nacional de Comahue   *2021*
• Duration: 40h. Grade: 9/10

Herramientas estadísticas para el abordaje de las métricas de género: una mirada desde la teoría de grafos y de sistemas

UNIVERSIDAD NACIONAL DE TUCUMÁN

- Duration: 40h. Grade: 100/100

Tucumán, Argentina

2021

Ecological networks

UNIVERSIDAD DE SÃO PAULO

- Duration: 60h. Grade: Excellent

São Paulo, Brasil

2020

Pollination Ecology

UNIVERSIDAD NACIONAL DEL COMAHUE

- Duration: 60h. Grade: 100/100

Bariloche, Argentina

2019

13° International Pollination Course

BRAZILIAN NETWORK OF PLANT-POLLINATION RESEARCH (REBIPP)

- Duration: 98h. Grade: 100/100

Minas Gerais, Brasil

2019

Advanced statistical methods in ecology and evolution

FACULTAD DE CIENCIAS, UNIVERSIDAD DE LA REPÚBLICA URUGUAY

- Duration: 60h. Grade: 100/100

Maldonado, Uruguay

2019

Advanced statistical models using programming language R

UNIVERSIDAD NACIONAL DE CÓRDOBA

- Duration: 40h. Grade: 100/100

Córdoba Argentina

2018

Internships

Laboratory of Palynology

FACULTAD DE CIENCIAS NATURALES E INSTITUTO MIGUE LILLO, UNIVERSIDAD NACIONAL DE TUCUMÁN

- Duration: 20h

Tucumán, Argentina

2018

Member of research groups (Colombia)

InQuiBio (Grupo integrado de investigaciones en química y biología)

UNIVERSIDAD MILITAR NUEVA GRANADA

- Classification: A1.

Bogotá, Colombia

Jan 2013-Dec 2015

Ecotonos (Grupo de ecología, conservación, taxonomía y sistemática)

UNIVERSIDAD DE LOS LLANOS

- Classification: C.

Villavicencio, Colombia

Jan 2017-Present

Languages

- Spanish: mother language.
- English: written (good), reading (good), spoken (acceptable).