

CARMEN GALÁN ACEDO

PhD in Biological Sciences (Ecology)

I am a researcher in Ecology. My main experience in research is in Spatial Ecology, particularly in tropical landscape ecology, macroecology, conservation biology and vertebrates

EDUCATION

- 2019** ● **Ph.D in Biological Sciences (Ecology)**
Universidad Nacional Autónoma de México (UNAM), Mexico
Mention of honor award
Dissertation: *"Primate responses to landscape structure in anthropic landscapes"*
- 2014** ● **M.Sc. in Primatology**
Universidad de Barcelona (UB), Spain
Dissertation: *"Geographic Information System analysis of the fragmented habitat of howler monkeys (Alouatta palliata mexicana) in the Volcán de San Martín (Los Tuxtlas)"*
- 2011** ● **B.Sc. in Psychology**
Universidad de Barcelona (UB), Spain

JOB EXPERIENCE

- 2020 - 2022** ● **Postdoctoral researcher**
Universidad Nacional Autónoma de México (UNAM)
Project: *"Assessing the global impact of landscape structure and its predictors on primates"*
UNAM fellowship, Mexico
- 2019** ● **Geographic Information Systems Technician**
Cyient Europe Ltd. Reading, United Kingdom
- 2019** ● **Geographic Information Systems Technician**
Centro de Investigaciones en Geografía Ambiental, Universidad Nacional Autónoma de México (UNAM), Morelia, Michoacán
- 2019** ● **Assistant in the Intergovernmental Science-Policy Platform on Biodiversity and Ecosystem Services (IPBES)**
Universidad Nacional Autónoma de México

CONTACT

- ☎ +52 4432161040
- ✉ cgalanac@gmail.com
- 📍 Nevado de Toluca 12,
CP: 91133, Xalapa,
Veracruz, Mexico

THEMES

- 🌲 Landscape Ecology
- 🌐 Spatial Ecology
- 📊 Geoprocessing
- 🌍 Macroecology
- 🐼 Population Ecology
- 🌱 Community Ecology

SKILLS

- 🌐 ArcGIS
- 🌐 Google Earth Engine
- 🌐 ENVI
- JS JavaScript
- 📊 R

LANGUAGES

- Spanish (Native Speaker)
- English (High)
- Italian (Basic)
- Portuguese (Basic)
- Catalan (Native Speaker)

SCIENTIFIC PUBLICATIONS

- 2022 ● **Galán-Acedo, C.**, R. Arasa-Gisbert, V. Arroyo-Rodríguez, M. Martínez-Ruiz, F. Villalobos, F. Rosete-Vergés. *Under review*. Linear vs non-linear effects of forest loss on Brazilian primates: an assessment of extinction thresholds. *Journal of Applied Ecology*
- 2022 ● Ramos Luna, J., C. Twining-Ward, J. Paula Back, J. Barakagwira, J. César Bicca-Marques, M. Chanvin, N. Diko, J. Duboscq, P. Fan, **C. Galán-Acedo**, J.F. Gogarten, S. Guo, D. Guzman-Caro, R. Hou, U. Kalbitzer, B. Kaplin, S. Lee, A. Mekonnen, P. Mungongo, H. Nautiyal, P. Omeja, V. Ramananjato, N. Raoelinjanakolona, O. Razafindratsima, C. Sarabian, D. Sarkar, J.C. Serio-Silva, R. Yanti, C.A. Chapman. *Under review*. Social media's potential to promote conservation at the local level: A global tropical assessment with primates. *Folia primatologica*
- 2021 ● Chapman, C., **C. Galán-Acedo**, J.F. Gogarten, R. Hou, M.J. Lawes, P.A. Omeja, D. Sarkar, A. Sugiyama, U. Kalbitzer. A 40-year evaluation of drivers of African rainforest change. *Forest Ecosystems*. DOI: 10.21203/rs.3.rs-414446/v1
- 2021 ● **Galán-Acedo, C.**, D. Spaan, J.C. Bicca-Marques, F. Villalobos, F. Rosete-Vergés. Regional deforestation drives the impact of forest cover and matrix quality on primate richness. *Biological Conservation*, 263, 109338.
- 2021 ● Arasa-Gisbert, R., V. Arroyo-Rodríguez, **C. Galán-Acedo**, J. Meave, M. Martínez-Ramos. Tree recruitment failure in old-growth forest patches across human-modified rainforests. *Journal of Ecology*, 109(6), 2354-2366
- 2021 ● **Galán-Acedo, C.**, V. Arroyo-Rodríguez & C. Chapman. Beyond patch size: The impact of regional context and habitat quality on three endangered primates. *Perspectives in Ecology and Conservation*, 19(2), 207-2015.
- 2021 ● Galán-Acedo, C. G., V. Arroyo-Rodríguez, E. Andresen & P.A. Días. Regional context mediates the response of Mexican primates to landscape structure in fragmented rainforests. *Biological conservation*, 255, 109006.
- 2021 ● Alcocer-Rodríguez, M., V. Arroyo-Rodríguez, **C. Galán-Acedo**, J. Cristóbal-Azkarate, N. Asensio, K. F. Rito, J. E. Hawes, J. J. Veá & J. C. Dunn. Evaluating extinction debt in fragmented forests: the rapid recovery of a critically endangered primate. *Animal conservation*, 24(3), 432-444.
- 2020 ● Arroyo-Rodríguez, V., L. Fahrig, M. Tabarelli, J. I. Watling, L. Tischendorf, M. Benchimol, E. Cazetta, D. Faria, I. R. Leal, F. P. L. Melo, J. C. Morante-Filho, B. Santos, R. Arasa-Gisbert, N. Arce-Peña, M. J. Cervantes-López, S. Cudney-Valenzuela, **C. Galán-Acedo**, M. San-José, I. C. G. Vieira, F. Slik, J. Nowakowski, B. T. Phallan & T. Tschamntke. Designing optimal human-modified landscapes for forest biodiversity conservation. *Ecology letters*, 23(9), 1404-1420.

15 publications in peer reviewed journals

[Researchgate](#)

Citations:

[Google Scholar](#)

[Scopus](#)

- 2019 ● **Galán-Acedo, C.**, V. Arroyo-Rodríguez, S. Cudney-Valenzuela & L. Fahrig. 2019. A global assessment of primate responses to landscape structure. *Biological Reviews*, 94(5), 1605-1618.
- 2019 ● **Galán-Acedo, C.**, V. Arroyo-Rodríguez, A. Estrada & G. Ramos-Fernández. Forest cover and matrix functionality drive the abundance and reproductive success of an endangered primate in two fragmented rainforests. *Landscape Ecology*, 34, 147-158.
- 2019 ● **Galán-Acedo, C.**, V. Arroyo-Rodríguez, R. Arasa-Gisbert & E. Andresen. 2019. Ecological traits of the world's primates. *Scientific Data*, 6, 1-5.
- 2019 ● **Galán-Acedo, C.**, V. Arroyo-Rodríguez, E. Andresen, L. V. Arregoitia, E. Vega, C. A. Peres & R. M. Ewers. The conservation value of human-modified landscapes for the world's primates. *Nature Communications*, 10, 152.
- 2018 ● **Galán-Acedo, C.**, V. Arroyo-Rodríguez, A. Estrada & G. Ramos-Fernández. Drivers of the spatial scale that best predict primate responses to landscape structure. *Ecography*, 41(12), 2027-2037.
- 2017 ● Arroyo-Rodríguez, V., C.E. Moreno & **C. Galán-Acedo**. 2017. La ecología del paisaje en México: logros, desafíos y oportunidades en las ciencias biológicas. *Revista Mexicana de Biodiversidad*, 88, 42-51.

BOOK CHAPTERS

- 2022 ● Arroyo-Rodríguez, V., R. Arasa-Gisbert, N.P. Arce-Peña, M.J. Cervantes-López, S.J. Cudney-Valenzuela, **C. Galán-Acedo**, M.A. Hernández-Ruedas, M. San-José & L. Fahrig. The importance of small rainforest patches for biodiversity conservation: a multi-taxonomic assessment. *Biodiversity Islands: Pockets of Protected Land in Human Dominated Environments*, Springer
- 2019 ● Arroyo-Rodríguez, V. & **C. Galán-Acedo**. 2019. Importancia de la estructura del paisaje para la conservación de primates. *Primatología, diversidad biocultural y desarrollo sostenible en los bosques tropicales: una perspectiva global*. UNESCO.
- 2019 ● Arroyo-Rodríguez, V., R. Arasa-Gisbert, N. Arce-Peña, M.J. Cervantes-López, S.J. Cudney, **C. Galán-Acedo**, M.A. Hernández-Ruedas, K.F. Rito & M. San-José. 2019. Determinantes de la biodiversidad en paisajes antrópicos: una revisión teórica. Moreno C.E. (ed.) *Evaluación de la biodiversidad*. SEP-CONACYT

- 2017 ● Arroyo-Rodríguez, V., **C. Galán-Acedo** & L. Fahrig. Habitat fragmentation. In: Fuentes, A. (ed.) The International Encyclopedia of Primatology. Wiley-Blackwell publisher, New York. Pp. 1-10.

DATA BASES

- **Galán-Acedo, C.**, R. Arasa-Gisbert, V. Arroyo-Rodríguez, E. Andresen, F. Villalobos, C. Chapman, F. Rosete-Vergés. The primates in fragments database (*not published*).
- 2018 ● Galán-Acedo, C., V. Arroyo-Rodríguez, E. Andresen, R. Arasa-Gisbert. 2018. Ecological traits of the world's primates database. Zenodo. Doi: 10.5281/zenodo.3368372

SCIENTIFIC DISSEMINATION

- 2021 ● Saldívar-Burrola, L.S., **C. Galán-Acedo**, F. Villalobos. Umbrales de extinción en bosques tropicales. *Revista electrónica del Instituto de Ecología, A.C. (INECOL)*
- 2021 ● **Galán-Acedo, C.**, F. Villalobos. Primates en paisajes antropizados. *Revista electrónica del Instituto de Ecología, A.C. (INECOL)*.
- 2021 ● Arregoitia, L. V., **C. Galán-Acedo**. 2019. Surviving the Anthropocene: Primates in human-modified landscapes. *Edge of existence* (<https://www.edgeofexistence.org/>).

PUBLICATIONS IN PREPARATION

- Galán-Acedo, C., F., Villalobos, L., Arregoitia, S. Gouveia, I. Correia, F. Rosete-Vergés. Global drivers of primate species extinction. *BioScience*.
- Galán-Acedo, C., F. Villalobos. Global gaps in trait data for primates. *International Journal of Primatology*.
- Galán-Acedo, C., F. Villalobos, R. Arasa-Gisbert, V. Arroyo-Rodríguez, E. Andresen, C. Chapman, F. Rosete-Vergés. Primates in fragments database. *Scientific Data*.
- Martínez-Ruiz, M., V. Arroyo-Rodríguez, N. Arce-Peña, M.J. Cervantes-López, S.J. Cudney, C. Galán-Acedo, M.A. Hernández-Ruedas, K.F. Rito & M. San-José. Biodiversity responses to habitat loss in Mexican anthropogenic landscapes. *Journal of Ecology*.

- Arroyo-Rodríguez V., J. Suélen, S. Cudney-Valenzuela, C. Galán-Acedo, M. San-José, L. Fahrig. Drivers of the scale of effect for terrestrial vertebrates: a review. *Current Landscape Ecology Reports*.
- Spaan, D., V. Arroyo-Rodríguez, F. Aureli, C. Galán-Acedo, C. Chapman, G. Ramos-Fernández. Spider monkey conservation in the Anthropocene: emerging threats and new approaches. Book chapter.

RESEARCH STAYS

- 2020 - 2022 ● Instituto de Ecología, INECOL. Laboratorio de Macroecología Evolutiva, Xalapa, Mexico.
Project: *"Assessing the global impact of landscape structure and its predictors on primates"*
- 2018 ● Imperial College London. Silwood Park, Berkshire, Reino Unido.
Project: *"Primate responses to landscape structure in anthropic landscapes"*

ACADEMIC GRANTS

- 2020 ● **Postdoctoral fellowship. DGAPA.** Dirección General de Asuntos del Personal Académico, Universidad Nacional Autónoma de México (UNAM).
- 2014 - 2018 ● **CONACyT scholarship** (project 2015-253946) for *"Primate responses to land use change in anthropic landscapes"*.
- 2013 - 2014 ● **CCiT Grant** (Scientific and Technologic Centers). Universidad de Barcelona, Spain.
- 2012 ● **ERASMUS fellowship.** European Union
- 2010 - 2013 ● **APRELS fellowship** (SGR 2009-830). Universidad de Barcelona, Spain.

RESEARCH GRANTS

- 2020 ● **Galán-Acedo, C.,** Chapman, C. Idea Wild
Project: *"Back to the future: drivers of forest landscape restoration success on Rhinopithecus roxellana"*

- 2020 ● **Galán-Acedo, C.**, Chapman, C., Songtao, G. Primate Conservation Inc. - USD\$2500
Project: *"Back to the future: drivers of forest landscape restoration success on Rhinopithecus roxellana"*
- 2020 - 2024 ● He G., Songtao, G. **Galán-Acedo, C.**, Chapman, C. National Science Foundation of China - USD\$20,000
Project: *"Strategical Selection of Nocturnal Sleeping-site for Adaptation to Low-temperature by the Sichuan Snub-nosed Monkeys in Qinling Mountains, China"*
- 2019 ● **Galán-Acedo, C.**, Arroyo-Rodríguez, V. - USD\$2,500 Rufford Small Grant
Project: *"Conservation of Mexican primates in fragmented landscapes: identifying threats and appropriate management strategies at different scales"*
- 2018 ● Arroyo-Rodríguez, V., Tabarelli, M., Melo, F., ..., **Galán-Acedo, C.**, et al. CONACyT - \$600,000 MXN
Project: *"Impacto del contexto regional y paisajístico sobre la biodiversidad en bosques tropicales fragmentados: los árboles y primates como estudios de caso"*

TEACHING EXPERIENCE

- 2021 ● Teacher in "Applying landscape ecology in primatological research". Universitat de Girona (UdG), Spain
- 2019 ● Teacher in "New methods in the study of animal behaviour". Universidad Veracruzana (UV), Mexico
- 2019 ● Volunteers' coordinator. Project: "Assessing the impact of landscape structure and its predictors on primates"

FIELDWORK EXPERIENCE

- 2016 - 2017 ● Los Tuxtlas, Veracruz; Valle de Uxpanapa, Veracruz. Ecology and census of the Mantled howler monkey (*Alouatta palliata mexicana*) and Geoffroy's spider monkey (*Ateles geoffroyi*)
- 2015 ● Selva Lacandona, Marqués de Comillas, Chiapas; Región VIII Norte, Chiapas. Ecology and census of the Mantled howler monkey (*Alouatta palliata mexicana*), the Black howler monkey (*Alouatta pigra*) and the Geoffroy's spider monkey (*Ateles geoffroyi*)

- 2013 ● Los Tuxtlas, Veracruz. Ecology and census of the Mantled howler monkey (*Alouatta palliata mexicana*)

SCIENTIFIC MEETINGS

- 2022 ● **Galán-Acedo, C.**, D. Spaan, J. C. Bicca-Marques, R. B. Azevedo, F. Villalobos, F. Rosete-Vergés. Regional deforestation drives the impact of forest cover and matrix quality on primate species richness. *Joint Meeting of the International Primatological Society and the Latin American Society of Primatology*. Quito, Ecuador.
- 2021 ● **Galán-Acedo, C.**, V. Arroyo-Rodríguez, E. Andresen, P. A. Dias. La respuesta de los primates a la estructura de paisajes antropizados depende del contexto regional. *VII Congreso Nacional de Fauna Nativa en Ambientes Antropizados*.
- 2021 ● **Galán-Acedo, C.**, V. Arroyo-Rodríguez, E. Andresen. La respuesta de los primates a la estructura de paisajes antropizados depende del contexto regional. *VII Congreso Nacional de Fauna Nativa en Ambientes Antropizados*.
- 2020 ● **Galán-Acedo, C.**, V. Arroyo-Rodríguez, E. Andresen. 2020. El valor de conservación de los paisajes antrópicos para los primates. *Congreso LACA (Latin America & Caribbean Section)*.
- 2020 ● Arroyo-Rodríguez, V. & **C. Galán-Acedo**. Resposta dos primatas às mudanças na estrutura da paisagem: Uma avaliação global. Sociedade Brasileira de Primatologia, Brasil.
- 2017 ● **Galán-Acedo, C.** & V. Arroyo-Rodríguez. Identifying the landscape sizes that best predict primate responses to landscape structure. *54th Annual Meeting of the Association of Tropical Biology and Conservation*. Mérida, Mexico.
- 2017 ● Dunn J., M. Alcocer-Rodríguez, **C. Galán-Acedo**, J. Cristobal-Azkarate, N. Asensio, V. Arroyo-Rodríguez, K. Rito & J. Veà. Evaluating extinction debt in the critically endangered Mexican howler monkey. *54th Annual Meeting of the Association of Tropical Biology and Conservation*. Mérida, Mexico.
- 2017 ● Arroyo-Rodríguez, V., **C. Galán-Acedo**, E. Andresen & E. Vega. The conservation value of matrix composition for primates in fragmented habitat. *54th Annual Meeting of the Association of Tropical Biology and Conservation*. Mérida, Mexico.

- 2017 ● **Galán-Acedo, C.**, V. Arroyo-Rodríguez, G. Ramos-Fernández & A. Estrada. 2017. Determinantes de la escala espacial que mejor predicen las respuestas de los primates a la estructura del paisaje. *III Congreso Latinoamericano de Primatología*. Xalapa, Mexico.
- 2017 ● Arroyo-Rodríguez, V. & **C. Galán-Acedo**. The importance of landscape composition for primates in human-modified habitats. *III Congreso Latinoamericano de Primatología*. Xalapa, Mexico.
- 2015 ● Alcocer-Rodríguez M., **C. Galán-Acedo**, E. Rodríguez-Luna, J.C. Dunn, J. Cristóbal-Azkarate & J. Veà. Howler monkey (*Alouatta palliata mexicana*) demographic and habitat changes over a 13-year period in a fragmented landscape of Los Tuxtlas. *Coloquio Estudiantil: Perspectivas Actuales de la Primatología en México*. Xalapa, Mexico.
- 2014 ● **Galán-Acedo, C.**, M. Alcocer-Rodríguez, E. Rodríguez-Luna, J.C. Dunn, J. Cristóbal-Azkarate & J. Veà. Howler monkey (*Alouatta palliata mexicana*) demographic and habitat changes over a 13-year period in a fragmented landscape of Los Tuxtlas. *25th International Primatological Society Congress*. Hanoi, Vietnam.

BOOK CHAPTERS

Biological Conservation

Caldasia

Climatic change

Ecological Modelling

Environmental Science and Pollution Research

International Journal of Primatology

Perspectives in Ecology and Conservation

Trends in Ecology and Evolution

Zoology