



Lista de Publicaciones

Reserva Biológica Tirimbina

Última actualización: 02 de marzo, 2025

2025

2024

1. de Oliveira, C. R., Ledvina, Z. D., Leonard, M. D., Odoh, S. O., Dodson, C. D., & Jeffrey, C. S. (2024). Isolation of new neolignans and an unusual meroterpenoid from *Piper cabagranum*. *Frontiers in Natural Products*, 2. <https://doi.org/10.3389/fntpr.2023.1332436>
2. Hazzi, N., & Hormiga, G. (2024). Systematics, distribution patterns and historical biogeography of the Central America wandering spider genus *Kiekie* Polotow & Brescovit, 2018 (Araneae: Ctenidae). *PeerJ*, 12, e17242. <https://doi.org/10.7717/peerj.17242>
3. Hilje, B., Rojas-Valerio, E., García, M., Lizana, C., & Miranda, C. (2024). Bird diversity of the Tirimbina Biological Reserve: the role of research, environmental education and ecotourism in bird conservation in a tropical wet forest in Costa Rica. *Ornitología Neotropical*, 35(2), Article 2. <https://doi.org/10.58843/ornneo.v35i2.737>
4. Ley-Lopez, J. M., Alvarado, C. M., Valerio, E. R., Wawrzyniak, M. K., & Chmielarz, P. (2024). Phenological patterns from two sympatric subspecies of the palm *Geonoma cuneata* (H. Wendl. Ex Spruce) and their gall inductor *Contarinia geonomae* (Gagné). *Dendrobiology*, 91. <https://doi.org/10.12657/denbio.091.006>
5. Retana, S. A. V., & Sánchez, L. E. F. (2024). Predation of the green iguana *Iguana iguana* (squamata: iguanidae) by the rufous motmot *Baryphthengus martii* (Coraciiformes: momotidae), Costa Rica.: Predation of *Iguana iguana* by motmot. *Revista Latinoamericana de Herpetología*, 7(4), Article 4. <https://doi.org/10.22201/fc.25942158e.2024.4.1069>

2023

1. Avalos, G., Cambroner, M., & Alvarez-Vergnani, C. (2023). Divergence in functional traits in seven species of neotropical palms of different forest strata. *Oecologia*, 203(3), 323-333. <https://doi.org/10.1007/s00442-023-05466-y>

2. Barrantes, G., Segura-Hernández, L., & Solano-Brenes, D. (2023). A novel prey capture strategy in pirate spiders (Araneae: Mimetidae). *Animal Behaviour*, <https://doi.org/10.1016/j.anbehav.2023.07.001>
3. Fuchs, E. J., Cascante-Marín, A., Madrigal-Brenes, R., & Quesada, M. (2023). Genetic diversity and phylogeographic patterns of the dioecious palm *Chamaedorea tepejilote* (Arecaceae) in Costa Rica: The role of mountain ranges and possible refugia. *AoB PLANTS*, 15(1), plac060. <https://doi.org/10.1093/aobpla/plac060>
4. Gan, J. L., Grainger, M. J., Shirley, M. D. F., & Pfeifer, M. (2023). How effective are perches in promoting bird-mediated seed dispersal for natural forest regeneration? A systematic review protocol. *Environmental Evidence*, 12(1), 15. <https://doi.org/10.1186/s13750-023-00308-z>
5. Herrera-Martínez, C. G., Gómez-Lépiz, A., Herrera-Martínez, C. G., & Gómez-Lépiz, A. (2023). *Sphaerodactylus homolepis* (Squamata: Sphaerodactylidae). *Revista latinoamericana de herpetología*, 6(1). <https://doi.org/10.22201/fc.25942158e.2023.01.423>
6. Karremans, A. P., Bogarín, D., Otárola, M. F., Sharma, J., Watteyn, C., Warner, J., Herrera, B. R., Chinchilla, I. F., Carman, E., Valerio, E. R., Huarcaya, R. P., & Whitworth, A. (2023). First evidence for multimodal animal seed dispersal in orchids. *Current Biology*, 33(2), 364-371.e3. <https://doi.org/10.1016/j.cub.2022.11.041>
7. Karremans, A. P., Watteyn, C., Scaccabarozzi, D., Pérez-Escobar, O. A., & Bogarín, D. (2023). Evolution of Seed Dispersal Modes in the Orchidaceae: Has the Vanilla Mystery Been Solved? *Horticulturae*, 9(12), Article 12. <https://doi.org/10.3390/horticulturae9121270>
8. Maurent, E., Héroult, B., Piponiot, C., Derroire, G., Delgado, D., Finegan, B., Kientz, M. A., Amani, B. H. K., & Bieng, M. A. N. (2023). A common framework to model recovery in disturbed tropical forests. *Ecological Modelling*, 483, 110418. <https://doi.org/10.1016/j.ecolmodel.2023.110418>
9. Protti-Sánchez, F., García-Rodríguez, A., Barrantes, G., & Sandoval, L. (2023). Does Variation in Call Rate Affect the Response of Territorial Males in the Strawberry Poison Frog (*Oophaga pumilio*)?. *Ichthyology & Herpetology*, 111(2), 248-253. <https://doi.org/10.1643/h2021052>
10. Rojas-Carranza, A. H., & Anderson, N. E. (2023). Cannibalism in the Slender Anole, *Anolis limifrons* Cope, 1862, in Costa Rica. *Herpetology Notes*, 16, 605-607.

11. Rüger, N., Schorn, M. E., Kambach, S., Chazdon, R. L., Fariior, C. E., Meave, J. A., Muñoz, R., van Breugel, M., Amissah, L., Bongers, F., Craven, D., Hérault, B., Jakovac, C. C., Norden, N., Poorter, L., van der Sande, M. T., Wirth, C., Delgado, D., Dent, D. H., ... Lopez, O. R. (2023). Successional shifts in tree demographic strategies in wet and dry Neotropical forests. *Global Ecology and Biogeography*, 32(6), 1002-1014. <https://doi.org/10.1111/geb.13669>

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12. Barrantes, G., Quirós-Castegnaro, A., Taylor-Rojas, A., Sánchez-Quirós, C., & Hanson, P. (2022). First record of an *Acanthepeira* spider (Araneae: Araneidae) parasitized by a koinobiont wasp of the *Polysphincta* genus group (Ichneumonidae: Pimplinae). *Arachnology*, 19(3), 628-631. <https://doi.org/10.13156/arac.2022.19.3.628>
13. Cedeño Fonseca, M. V., Hay, A., & Blanco Coto, M. A. (2022). A taxonomic revision of *Monstera* Adans (Araceae: Monsteroideae) in Costa Rica. *Aroideana*, 45(1), 4-198.
14. Cambronero, M., Avalos, G., & Alvarez-Vergnani, C. (2022). Allometric Models to Estimate Carbon Content in Arecaceae Based on Seven Species of Neotropical Palms. *Frontiers in Forests and Global Change*, 5: 867912. <https://doi.org/10.21203/rs.3.rs-838582/v1>
15. Chazdon, R. L., Norden, N., Colwell, R. K., & Chao, A. (2022). Monitoring recovery of tree diversity during tropical forest restoration: Lessons from long-term trajectories of natural regeneration. *Philosophical Transactions of the Royal Society B: Biological Sciences*, 378(1867), 20210069. <https://doi.org/10.1098/rstb.2021.0069>
16. García-Sánchez, M., & González-Chaverri, P. (2022). La Reserva Biológica Tirimbina, en Costa Rica: modelo en la conservación del bosque lluvioso tropical, la investigación científica, el ecoturismo y la educación ambiental. *Revista de Ciencias Ambientales*, 56(2), 244-255.
17. Morrison, L., Maurent, E., Finegan, B., Delgado Rodríguez, D., Casanoves, F., & Ngo-Bieng, M. A. (2022). *Recuperación de la biodiversidad en bosques neotropicales primarios y perturbados de Costa Rica*. Serie técnica. Informe técnico, no. 437. Centro Agronómico Tropical de Investigación y Enseñanza, (CATIE) Turrialba, Costa Rica.
18. Muñoz-López, M., Villalobos-Chaves, D., Rojas-Valerio, E., & Rodríguez-Herrera, B. (2022). Home range and movement ecology of the woolly opossum (*Caluromys derbianus*) in a Neotropical rainforest of Costa Rica. *Therya Notes*, 3, 119-124.

2021

19. Arroyo-Solórzano, M., & Rojas-Prendas, L. (2021). Potencial ecoturístico en Áreas Naturales Protegidas. Caso: Reserva Biológica Tirimbina, Sarapiquí, Provincia de Heredia, Costa Rica. *Revista Geográfica de América Central*, (66): 289-312.
20. Barrantes, G., Angulo-Vásquez, J., Carvajal-Cerdas, D., Ureña-Rojas, A., & Zúñiga-Madrigal, J. (2021). Day/night change in orientation of the orb weaver *Azilia guatemalensis* (Araneae: Tetragnathidae). *Arachnology*, 18(8): 918-921.
21. Fernandez, A. A., Schmidt, C., Schmidt, S., Rodríguez-Herrera, B., & Knörnschild, M. (2021). Social behaviour and vocalizations of the tent-roosting Honduran white bat. *Plos one*, 16(8): e0248452.
22. Gutiérrez, E. G., Vivas-Toro, I., Carmona-Ruíz, D., Villalobos-Chaves, D., Rodríguez-Herrera, B., Real-Monroy, M. D., León Ávila, G. & Ortega, J. (2021). Socio-spatial organization reveals paternity and low kinship in the Honduran white bat (*Ectophylla alba*) in Costa Rica. *Integrative zoology*, 16(5): 646-658.
23. Lea Slinn, H. (2021). Community-level consequences of Piper chemistry on tropical herbivores, parasitoids and fungi. Tesis inédita de Doctorado. The University of Guelph. Ontario: Canada.
24. Sandoval, L., Rojas, E., Retana, M., Gutiérrez, I., & Barrantes, G. (2021). Artificial cavities and substrates for cavity-nesting birds in Neotropical urban environments: A novel resource or the last opportunity to breed?. *The Wilson Journal of Ornithology*, 133(3): 390-397. <https://doi.org/10.1676/19-00140>
25. Vivas-Toro, I., Ortega, J., & Baeza, J. A. (2021). The complete mitochondrial genome of the Honduran white bat *Ectophylla alba* (Allen 1982) (Chiroptera: Phyllostomidae). *Gene*, 802, 145868.

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27. Baskett, C.A., Schroeder, L., Weber, M.G & Schemske, D.W. (2020). Multiple metrics of latitudinal patterns in insect pollination and herbivory for a tropical-temperate congener pair. *Ecological Monographs*, 90(1), e01397.

- 28.** Campos Esquivel, L. (2020). Virulencia de hongos nativos del orden Hypocreales sobre *Bemisia tabaci*, estudio de las condiciones óptimas para el desarrollo de los hongos y registros de moscas blancas silvestres para Costa Rica. Tesis inédita de Maestría. Universidad de Costa Rica. San José: Costa Rica
- 29.** Cedeño-Fonseca, M., Flores-Leitón, J.M., Jiménez J.E & López-Mora, M. 2020. Estado de conservación de *Theobroma cacao* en Costa Rica. *Phytoneuron*. 72: 1–7.
- 30.** Hilje, B., Chaves, G., Klank, J., Timmerman, F., Feltham, J., Gillingwater, S., Piraino, T & Rojas, E. 2020. Amphibians and reptiles of the Tirimbina Biological Reserve: a baseline for conservation, research and environmental education in a lowland tropical wet forest in Costa Rica. *Check List*, 16 (6): 1633-1655.
- 31.** Karremans, A., Salguero, G., Bogarín, D., Oses, L & Cedeño-Fonseca, M. Illustrations and studies in Neotropical Orchidaceae: the *Specklinia brighamii* group in Costa Rica. *Phytotaxa* 447 (1): 016-030. <https://checklist.pensoft.net/article/53857/>
- 32.** Klank, J., Chaves, G & Arias, E. Range expansión of the Gulf Coast Toad, *Incillus valliceps* (Wiegmann, 1833) (Anura, Bufonidae), from Costa Rica. *Check List*, 16 (3): 753–757. <https://checklist.pensoft.net/article/51114/>
- 33.** Ortiz-Ross, X., Thompson, M.E., Salicetti-Nelson, E., Vargas-Ramírez, O., Donnelly, M.A. (2020). Ovoposition site selection in Three Glass Frog Species. *Copeia* 108, No. 2, 2020, 333–340
- 34.** Roberti Alves de Almeida, D., Almeyda-Zambrano, A.M., North, E., Wendt, A.L., Foster, P., Wilkinson, B.E, Salk, C., De Almeida Papa, D., Stark, S., Valbuena, R., Bastos, E., Silva, C.A., Santin, P.H., Fagan, M., Meli, P & Chazdon, R. (2020). Detecting successional changes in tropical forest structure using GatorEye drone-borne lidar. *Biotropica*, 00:1–13.
- 35.** Román-Herácleo, J & Springer, M. (2020). First record of *Elga leptostyla* Ris, 1911 (Odonata, Libellulidae) from Costa Rica. *Check List* 16 (4): 911–914. <https://checklist.pensoft.net/article/53857/>.
- 36.** Román-Herácleo, J., Novelo-Gutiérrez, R & Springer, M. (2020). First description of the larva of *Psaironeura* base don specimens of *P. angeloi* from Costa Rica (Odonata: Coenagrionidae: Protoneurinae), with a key to the genera of Central American Protoneurinae. *International Journal of Odonatology*. <https://doi.org/10.1080/13887890.2020.1752829>

- 37.**Sandoval, L., Barrantes, G., Protti-Sánchez, F & García-Rodríguez, A. (2020). Male orientation on vocalization perches could optimize acoustic signal in anurans. *Ethology*, 00:1–9. DOI: 10.1111/eth.13097
- 38.**Stylman, M., Penz, C. M., & DeVries, P. (2020). Large hind wings enhance gliding performance in ground effect in a Neotropical butterfly (Lepidoptera: Nymphalidae). *Annals of the Entomological Society of America*, 113(1): 15-22.
- 39.**Villegas, S. (2020). First record of a Semiplumbeous Hawk (*Leucopternis semiplumbeus*) preying on a Red-Throated Ant-Tanager (*Habia Fuscicauda*) in Tirimbina Biological Reserve, Costa Rica. *El hornero*, 35(2): 127-130.

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- 41.**Araya-Salas, M., Smith-Vidaurre, G., Mennill, D. J., González-Gómez, P. L., Cahill, J., & Wright, T. F. (2019). Social group signatures in hummingbird displays provide evidence of co-occurrence of vocal and visual learning. *Proceedings of the Royal Society B*, 286(1903), 20190666.
- 42.**Avalos, G., Gei, M., Ríos, L.D., Fernández-Otárola, M., Cambroner, M., Alvarez-Vergnani, C., Sylvester, O & Rojas, G. Scaling of stem diameter and height allometry in 14 neotropical palm species of different forest strata. *Oecologia*. <https://doi.org/10.1007/s00442-019-04452-7>
- 43.**Baskett, C. A., Schroeder, L., Weber, M. G., & Schemske, D. W. Multiple metrics of latitudinal patterns in insect pollination and herbivory for a tropical-temperate congener pair. *Ecological Monographs*.
- 44.**Bittar, C., Machado, R. R. G., Comelis, M. T., Bueno, L. M., Beguelini, M. R., Morielle-Versute, E., ... & Rahal, P. (2019). Alphacoronavirus Detection in Lungs, Liver, and Intestines of Bats from Brazil. *Microbial ecology*, 1-10.
- 45.**Cossel, J.O., Twining J.E., Di Stefani, K.L., O'Brien, A., Reich, A.S & Sandoval-Alanis, J. (2019). Vocalizations of five species of frogs in the *Craugastor podiciferus* group (Anura: Craugastoridae) from Costa Rica. *Herpetological Conservation and Biology* 14(1):235–249

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51. Rodríguez-Herrera, B., Rodríguez, P., Watson, W., McCracken, G. F., Medellín, R. A., & Galván, I. (2019). Sexual dichromatism and condition-dependence in the skin of a bat. *Journal of Mammalogy*, 100(2), 299-307.
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54. Zumbado-Ulate, H., García-Rodríguez, A., Vredenburg, V. T., & Searle, C. (2019). Infection with *Batrachochytrium dendrobatidis* is common in tropical lowland habitats: Implications for amphibian conservation. *Ecology and evolution*, 9(8), 4917-4930.

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55. Barrantes, G., Segura-Hernández, L., Solano-Brenes, D., & Hanson, P. (2018). When a little is enough: cocoon web of *Kapogea cyrtophoroides* (Araneae: Araneidae) induced by

Hymenoepimecis heidyae (Ichneumonidae: Pimplinae). *Arachnologische Mitteilungen: Arachnology Letters* [Note: *Arachnology Letters* is the subtitle], 55(1), 30-35.

- 56.** Cambroner, M., Avalos, G., & Alvarez-Vergnani, C. (In press). Variation in the Carbon Fraction of Seven Neotropical Palm Species of Different Forest Strata. *PALMS*.
- 57.** Chacón, I. A., DeVries, P. J. & Penz, C. M. (2018). Description of a new subspecies of *Cunizza hirlanda* (Pieridae: Anthocharidini) from Costa Rica. *Journal of the Lepidopterists' Society*, 72, 121-126.
- 58.** Dias, F. M. S., Janzen, D., Hallwachs, W., Chacón, I., Willmott, K., Ortiz-Acevedo, E., ... & Casagrande, M. M. (2018). DNA barcodes uncover hidden taxonomic diversity behind the variable wing patterns in the Neotropical butterfly genus *Zaretis* (Lepidoptera: Nymphalidae: Charaxinae). *Zoological Journal of the Linnean Society*, 185(1), 132-192.
- 59.** Gagné, R. J., Ley-López, J. M., & Hanson, P. (2018). First New World Record of a Gall Midge from Palms: A New Species of *Contarinia* (Diptera: Cecidomyiidae) from *Geonoma cuneata* in Costa Rica. *Entomological Society of Washington*, 120, 51-61.
- 60.** Garita-Alvarado, C. A., Barluenga, M., & Ornelas-García, C. P. (2018). Parallel evolution of morphs of *Astyanax* species (Teleostei: Characidae) in México and Central America. *Biological Journal of the Linnean Society*, 124(4), 706-717.
- 61.** Lapinski, W., & Tschapka. (2018). Vertical distribution of wandering spiders in Central America. *Journal of Arachnology*, 46, 13-20.
- 62.** Rodríguez-Herrera, B., Rodríguez, M. E., & Otárola, M. F. (2018). Ecological networks between tent-roosting bats (Phyllostomidae: Stenodermatinae) and the plants used in a Neotropical rainforest. *Acta Chiropterologica*, 20(1), 139-145.
- 63.** Román-Heracleo, J., Springer, M., & Ramírez, A. (2018). The larva of *Perissolestes remotus* (Williamson & Williamson, 1924)(Zygoptera: Perilestidae). *International Journal of Odonatology*, 1-7.
- 64.** Sandoval, L., Martínez, D., Ocampo, D., Pizarro, M. V., Araya-H, D., Carman, E., ... & García-Rodríguez, A. (2018). Range expansion and noteworthy records of Costa Rican birds (Aves). *Check List*, 14, 141.
- 65.** Sanfiorenzo, A., Sanfiorenzo, M., Vargas, R., Waits, L., & Finegan, B. (2018). Potential pollinators of understory populations of *Symphonia globulifera* in the Neotropics. *Journal of Pollination Ecology*, 22.

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- 67.** Thompson, M. E., Halstead, B. J., & Donnelly, M. A. (2018). Thermal quality influences habitat use of two anole species. *Journal of Thermal Biology*, 75, 54-61.
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- 70.** Angulo, A., Naranjo-Elizondo, B., Rojas, E., & Ley-López, J. M. (2017). Fishes from the Tirimbina Biological Reserve, La Virgen de Sarapiquí, Heredia, Costa Rica. *Checklist*, 13, 683-702.
- 71.** Folt, B., & Lapinski, W. (2017). New observations of frog and lizard predation by wandering and orb-weaver spiders in Costa Rica. *Phyllomedusa*, 16, 269-277.
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- 74.** Larsen, T.H. (2016). *Core Standardized Methods for Rapid Biological Field Assessment*. Conservation International. Arlington, VA.

- 75.** Madrigal, F. H. (2015). Primer registro del género *Ocyochterus* en Colombia y nuevos registros de Ochteridae en Costa Rica (Hemiptera: Heteroptera). *Acta Biológica Colombiana*, 20, 255-257.
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- 78.** Villalobos, D., Murillo, J. V., Valerio, E., R., Keeley, B. W., & Rodríguez-Herrera, B. (2016). Understory bat roosts, availability and occupation patterns in a Neotropical rainforest of Costa Rica. *Revista de Biología Tropical*, 64, 1333-1343.
- 79.** Young, A. M., Barry, K., Schnitzer, S. A. (2016). Top-down versus bottom-up ecological control in cacao, *Theobroma cacao* L. *Tropical Agriculture*, 93, 216-226.
- 80.** Zapata, S. Z., Guerrero, S., Romero-Almaraz, & Sánchez-Hernández, C. (2016). Coloración atípica en murciélagos: frecuencia y fenotipos en Norte y Centroamérica e islas del Caribe y nuevos casos para México y Costa Rica. *Revista Mexicana de Biodiversidad*, 87, 474-482.

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- 82.** Lapinski, W., Walther, P., & Tschapka, M. (2015). Morphology reflects microhabitat preferences in an assemblage of neotropical wanderingspiders. *Zoomorphology*, doi 10.1007/s00435-015-0257-8.
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