



Diogo Borges Provete, PhD

Assistant Professor (Tenured)
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Lattes

🔄 [diogoprov](https://github.com/diogoprov)

🦋 [provete.bsky.social](https://bsky.app/profile/provete.bsky.social)

📍 Campo Grande, MS · Brazil — 79002-970

PERSONAL

Born in Bom Jesus do Norte, Brazil (1984)

Citizenship: Italian, Brazilian

Married since 2017, with one daughter

LANGUAGES

Portuguese — native

English — proficient (TOEFL, CAE, TOEIC)

Spanish — good reading / listening / writing; intermediate speaking

Italian — good listening / reading; basic speaking

German — A1

RESEARCH INTERESTS

Eco-evolutionary dynamics

Macroevolution

Freshwater metacommunities

Geographical ecology

Evolutionary morphology of amphibians

Natural history of Neotropical anurans

PROGRAMMING & TOOLS

R — intermediate–advanced (phylogenetic, trait and multivariate community data)

Matlab — beginner

Mesquite · SUPERSMART · Phylocom

MEMBERSHIPS

American Society of Naturalists

American Statistical Association

Associação Brasileira de Ciência Ecológica e Conservação

Ecological Society of America

Philosophy of Science Association

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EDUCATION

2011 – 2015

PhD, Ecology and Evolution — Federal University of Goiás, Brazil. Visiting scholar at the Mathew A. Leibold Lab, University of Texas at Austin.
Phylogenetic structure of metacommunities along environmental gradients. Advisor: Adriano S. Melo.

2008 – 2010

MSc, Animal Biology — São Paulo State University (UNESP), Brazil.
Resource use and co-occurrence patterns between tadpoles and predaceous insects in sub-tropical assemblages. Advisors: Itamar A. Martins & Denise C. Rossa-Feres.

2003 – 2006

BSc, Biological Sciences — Federal University of Alfenas (UNIFAL), Brazil.

ACADEMIC POSITIONS

2024 – 2025

Alexander von Humboldt Research Fellow (Experienced Researchers), Sabbatical at iDiv, Leipzig, Germany

2020 – present

Assistant Professor (Tenured), Federal University of Mato Grosso do Sul (UFMS)

2017 – 2020

Assistant Professor, Federal University of Mato Grosso do Sul (UFMS)

2016 – present

Fellow, Gothenburg Global Biodiversity Centre, Sweden

2016 – 2017

Postdoctoral Fellow, Federal University of São Carlos, Sorocaba, Brazil. Supervisor: Prof. Fernando R. da Silva

2015

Postdoctoral Fellow, Department of Biological and Environmental Sciences, University of Gothenburg, Sweden. Supervisor: Prof. Alexandre Antonelli

TEACHING

Courses taught

2020	Introduction to R Software (<i>grad</i>) — UFMS
2019	Multivariate statistics (<i>grad</i>) — UFMS
	Urban ecology (<i>undergrad</i>) — UFMS
	Introduction to GLMMs with R (<i>grad</i>) — UFPE
2018	Ecology of freshwater communities (<i>undergrad</i>) — UFMS
	General Ecology (<i>undergrad</i>) — UFMS
	Introduction to R programming for biologists (<i>undergrad</i>) — UFMS
	Field ecology (<i>grad</i>) — UFMS
	Community ecology (<i>grad</i>) — UNESP
2017	Biostatistics (<i>grad</i>) — UFSCar
	Phenotypic evolution & PCMs (<i>grad</i>) — UFSCar
	Phenotypic evolution & PCMs (<i>grad</i>) — UFMS
	Introductory statistics for biologists (<i>undergrad</i>) — UFMS
	Ecology of interactions (<i>undergrad</i>) — UFMS
2016	Phenotypic evolution & PCMs (<i>grad</i>) — UNESP
	Phenotypic evolution & PCMs (<i>grad</i>) — UNIFESP
2015	Community ecology (<i>grad</i>) — UNESP
2011	Ecological statistics with R (<i>grad</i>) — UNESP

Student supervision

2025 –	Bruna Maria de Paula Campos · MSc
2024 –	Ana Paula Andreazzi · PhD
2023 –	Daiene L. Hokama Sousa · PhD
2023 – 2025	Leandro B. Menezes · MSc
2020 – 2025	Marcos V. Severgnini · PhD
2019 – 2023	Matheus de Toledo Moroti · PhD
2019 – 2021	Gabriel Tirintan · MSc
2018 – 2023	Philip T. Soares · PhD

2025 – Bruna Maria de Paula Campos · MSc

2018 – 2023 Adriana Carolina Acero-Murcia · PhD

2018 – 2020 Marcos V. Severgnini · MSc

2020 Laura Bonin · Biology undergrad (honors thesis)

2020 Hellen Lacerda · Biology undergrad (honors thesis)

Teaching assistantship for Biology majors

2014 Philosophy of Science — Federal University of Goiás

2011 Biostatistics — Federal University of Goiás

2009 Population ecology — São Paulo State University

2006 Vertebrate Zoology I — Federal University of Alfenas

2005 Cell Biology — Federal University of Alfenas

2004 Developmental Biology — Federal University of Alfenas

AWARDS

2024 Ecological Society of America Early Career Fellow

2021 Highly Commended best poster (Acero-Murcia & Severgnini, PhD students) — Brazilian Symposium of Vertebrate Morphology

2021 Highly Commended best oral presentation — Brazilian Symposium of Vertebrate Morphology

2019 Best poster (L. Bonin, undergrad) — X Brazilian Congress of Mammalogy

2016 Sentinels of Science Award — Champions of Recognition (Editors) and top 10% reviewer (Publons)

2013 Best student paper in Herpetology published in 2012 — Copeia

2012 Travel award — Association for Tropical Biology and Conservation (USD 500)

2011 Travel award — South American Chapter of ESA (USD 700)

2010 Student Travel Award — International Society of Vertebrate Morphology, 9th ICVM (USD 1,000)

2005 Travel Award — IV Meeting of the South American Group of the Society for Free Radical Biology and Medicine (BRL 300)

PUBLICATIONS

Authorship key: **red number** = three most important papers · underlined name in PDF = lab graduate student.

- [57] Rebouças, R.; Moroti, M. T.; Carvalho, T.; Martins, M. R.; Toledo, L. F.; PROVETE, D. B. 2026. Environmental and geomorphological drivers of frog diversity on islands worldwide. *Ecography* 2026: e07818. doi:10.1002/ecog.07818
- [56] Ramalho, Q.; De Souza, J. S.; Provete, D. B. 2025. Irregular funding cycles in Brazilian science pose a barrier to conservation and global leadership. *Perspectives in Ecology and Conservation* 23(4): 231–235.
- [55] Fiorillo, B.; Faggioni, G. P.; Provete, D. B. 2025. The utility of an index of biotic integrity for predicting terrestrial frog species diversity in a tropical forest. *Studies on Neotropical Fauna and Environment*. doi:10.1080/01650521.2025.2543354
- [54] Soares, H. K. L.; Barboza, R. R. D.; Feijó, A.; Provete, D. B.; Alves, R. R. N. 2025. Worldwide patterns of wild mammal trade are driven by species ecology, evolutionary relatedness, and socio-political variables. *Ethnobiology and Conservation* 14: 25, 1–17.
- [53] Menezes, L. B. C.; Severgnini, M. R.; Pezzuti, T. L.; Garey, M. V.; Provete, D. B. 2025. The tadpole of *Chiasmocleis altomontana* (Anura: Microhylidae). *PeerJ* 13: e19220.
- [52] Severgnini, M. R.; de Oliveira, M.; Valério, L.; Provete, D. B. 2024. Temporal dynamics of species richness and composition in a peri-urban tropical frog community in central Brazil. *Ecology and Evolution* 14(1): e70628.
- [51] Moroti, M. T.; Skeels, A.; da Silva, F. R.; PROVETE, D. B. 2024. Climate interacts with diversification rate in determining species richness and functional diversity of tetrapods in a global hotspot. *Journal of Biogeography*. doi:10.1111/jbi.15001
- [50] da Silva, F. R.; Oliveira-Silva, A. E.; Antonelli, A.; Carnaval, A. C.; PROVETE, D. B. 2024. Zoogeographical regions in the Atlantic Forest: patterns and potential drivers. *Journal of Biogeography*. doi:10.1111/jbi.14859
- [49] Franco-Belussi, L.; Oliveira-Junior, J. G.; Goldberg, J.; Fernandes, C. E.; de Oliveira, C.; PROVETE, D. B. 2024. Multiple morphophysiological responses of a tropical frog to urbanization conform to the pace-of-life syndrome. *Conservation Physiology* 11: coad106.
- [48] Jenkins, G. B.; Beckerman, A. P.; Bellard, C.; Benítez-López, A.; Ellison, A. M.; Foote, C. G.; Hufton, A. L.; Lashley, M. A.; Lortie, C. J.; Ma, Z.; Moore, A. J.; Narum, S. R.; Nilsson, J.; O'Boyle, B.; PROVETE, D. B.; Razgour, O.; Rieseberg, L.; Riginos, C.; Santini, L.; Sibbett, B.; Peres-Neto, P. R. 2023. Reproducibility in ecology and evolution: minimum standards for data and code. *Ecology and Evolution* 13: e9961. doi:10.1002/ece3.9961
- [47] Freire Jr, G. B.; Salscido, D.; Oliveira, H. F. M.; Ribeiro, D. B.; PROVETE, D. B.; Silva, T.; Dias, J. P.; Rodrigues, H. P.; Santos, J. P.; Diniz, I. R. 2023. Body size and its correlates in fruit-feeding butterflies in a seasonal environment. *Journal of Insect Conservation*. doi:10.1007/s10841-023-00481-z
- [46] Acero-Murcia, A. C.; Severgnini, M. R.; Fischer, E. A.; PROVETE, D. B. 2023. An evolutionary ecomorphological perspective on the assembly of a Neotropical bat metacommunity. *Journal of Mammalian Evolution*. doi:10.1007/s10914-023-09667-3
- [45] Bovo, R.; Simon, M.; Provete, D. B.; Lyra, M. L.; Navas, C.; Andrade, D. 2023. Beyond Janzen's hypothesis: how amphibians that climb tropical mountains respond to climate variation. *Integrative Organismal Biology* 5(1): obad009. doi:10.1093/iob/obad009
- [44] Kloh, J. S.; Figueiredo, C. C.; PROVETE, D. B.; Eterovick, P. C. 2023. Taste for pollen comes in different shapes: consumption by tadpoles from three divergent ecomorphotypes. *Journal of Zoology* 320(1): 42–52. doi:10.1111/jzo.13051
- [43] Halpern, B.; Boettiger, K.; Dietze, M.; (...) PROVETE, D. B.; (...) Wymore, A. 2022. Priorities for synthesis in ecology and environmental science. *Ecosphere* 14(1): e4342. doi:10.1002/ecs2.4342
- 1** Sanchez-Domene, D.*; Silva, F. R.*; Provete, D. B.*; Navarro-Lozano, A.; Acayaba, R. D.; Montagner, C. C.; Rossa-Feres, D. C.; Lopez-Iborra, G. M.; Almeida, E. A. 2022. Combined effects of landscape composition and agrochemicals on frog communities amid sugarcane-dominated agroecosystems. *Ecological Applications*. doi:10.1002/eap.2781 — *authors contributed equally
- [41] Ceron, K.; Provete, D. B.; Pires, M. M.; Araujo, A. C.; Blüthgen, N.; Santana, D. J. 2022. Prey availability and interaction rewiring drive the spatial and seasonal structure of a predator-prey metaweb. *Ecology*. doi:10.1002/ecy.3716
- [40] Ganci, C. C.; PROVETE, D. B.; Püttker, T.; Lindenmayer, D.; Almeida-Gomes, M. 2021. High species turnover shapes anuran community composition in ponds along an urban-rural gradient. *Urban Ecosystems* 25: 633–642. doi:10.1007/s11252-021-01174-8

- [39] Franco-Belussi, L.*; PROVETE, D. B.*; Leão, T. R. F.; Siqueira, M. S.; Valverde, B. S. L.; Martins, B. O.; de Oliveira, C.; Fernandes, C. E. S. 2021. Hematological parameters of a Neotropical wild frog population, with a phylogenetic perspective on blood cell composition in Anura. *Current Zoology* 68(3): 361–369. doi:10.1093/cz/zoab059 — *authors contributed equally
- [38] Gomes-Mello, F.; PROVETE, D. B.; Heino, J.; da Silva, F. R. 2021. Community composition–environment relationships vary over time: are snapshot studies of metacommunity dynamics useful? *Basic and Applied Ecology* 56: 85–96.
- [37] Valente-Neto, F.; Roque, F. O.; Pauliquevis, C. F.; Oliveira, A. K. M.; Provete, D. B.; Szabo, J. K.; Souza, F. L. 2021. Loss of cultural and functional diversity associated with birds across the urbanization gradient in a tropical city. *Frontiers in Ecology and Evolution* 9: 615797.
- [36] Benício, R. A.; PROVETE, D. B.; Lyra, M. L.; Heino, J.; Haddad, C. F. B.; Rossa-Feres, D. C.; da Silva, F. R. 2021. Differential speciation rates, colonization time, and niche conservatism affect community assembly across adjacent biogeographical regions. *Journal of Biogeography*. doi:10.1111/jbi.14145
- [35] PROVETE, D. B.; Garey, M. V.; Picheli, K. O.; Mello, C. M.; Gonçalves, D. S.; Conte, C. E.; Rossa-Feres, D. C. 2021. The tadpole and advertisement call of *Trachycephalus imitatrix* and *T. dibernardoii* (Anura: Hylidae). *Journal of Herpetology*. doi:10.1670/20-010
- [34] Oliveira, C.; Campos, I.; PROVETE, D. B.; Garnieri, M.; Cardozo, S. 2020. Defensive behavior and caudal autotomy rate in *Coleodactylus meridionalis* (Squamata: Sphaerodactylidae). *Journal of Natural History* 54: 2209–2218.
- [33] Martins, B. O.; Franco-Belussi, L.; Siqueira, M. S.; Fernandes, C. E.; Provete, D. B. 2021. The evolution of red blood cell shape in fishes. *Journal of Evolutionary Biology*. doi:10.1111/jeb.13757
- [32] Moroti, M. T.; Soares, P. T.; Pedrozo, M.; Provete, D. B.*; Santana, D. J.* 2021. Prey availability, phylogeny and morphology effects on partitioning of trophic resources in an anuran community. *Basic and Applied Ecology* 50: 181–191. — *joint senior authors
- [31] Alves, R. R. N.; Borges, A. K. M.; Barboza, R.; Souto, W. M. S.; Gonçalves-Souza, T.; Provete, D. B.; Albuquerque, U. P. 2020. A global analysis of ecological and evolutionary drivers of the use of wild mammals in traditional medicine. *Mammal Review* 50. doi:10.1111/mam.12233
- [30] Franco-Belussi, L.; PROVETE, D. B.; Borges, R. E.; Oliveira, C.; Santos, L. R. S. 2020. Idiosyncratic liver pigment alterations of five frog species in response to contrasting land use patterns in the Brazilian Cerrado. *PeerJ* 8: e9751. doi:10.7717/peerj.9751
- [29] Garey, M. V.; PROVETE, D. B.; Melo, L. S. O.; Haddad, C. F. B.; Rossa-Feres, D. C. 2020. The larva and advertisement call of *Bokermannohyla ahenea* (Anura: Hylidae). *South American Journal of Herpetology* 15. doi:10.2994/SAJH-D-18-00006.1
- [28] Tonini, J.*; PROVETE, D. B.*; Maciel, N.; Morais, A. R.; Goute, S.; Toledo, F.; Pyron, R. A. 2020. Ecomorphological escape from constrained acoustic allometry in frogs. *Ecology and Evolution* 10: 3686–3695. doi:10.1002/ece3.6155 — *authors contributed equally
- [27] Ceron, K.; Santana, D. J.; Lucas, E. M.; Zocche, J. J.; PROVETE, D. B. 2020. Microclimatic variables influence the temporal dynamics of an anuran metacommunity in a non-stationary way. *Ecology and Evolution* 10: 4630–4639. doi:10.1002/ece3.6217
- [26] Almeida-Gomes, M.; Valente-Neto, F.; Pacheco, E. O.; Ganci, C. C.; Leibold, M. A.; Melo, A. S.; PROVETE, D. B. 2020. How does the landscape affect metacommunity structure? A quantitative review for lentic environments. *Current Landscape Ecology Reports* 5(2): 1–8. doi:10.1007/s40823-020-00049-6
- [25] Toscano, N. P.; De Freitas, N. H. A.; De Rezende, M. R. C.; PROVETE, D. B.; Lyra, M.; Haddad, C. F. B.; Rossa-Feres, D. C.; da Silva, F. R. 2019. External morphology and internal oral features of the tadpole of *Crossodactylus caramaschii* (Anura: Hylodidae). *Journal of Herpetology* 53: 263–271.
- [24] Tomas, W. M.; Roque, F. O.; Medici, R. G.; Chiaravallotti, P. E.; (...) PROVETE, D. B.; et al. 2019. Sustainability agenda for the Pantanal wetland: perspectives on a collaborative interface for science, policy, and decision-making. *Tropical Conservation Science* 12: 194008291987263.
- [23] Garey, M. V.*; PROVETE, D. B.*; Gonçalves-Souza, T.; Melo, L. S. O.; Rossa-Feres, D. C.; Haddad, C. F. B. 2018. Phylogenetic and adaptive components of the anuran advertisement call correlate with temporal species co-occurrence. *Biological Journal of the Linnean Society* 125(2): 292–301. — *authors contributed equally
- [22] Franco-Belussi, L.*; PROVETE, D. B.*; Oliveira, C. 2017. Environmental correlates of internal coloration in frogs vary throughout space and lineages. *Ecology and Evolution* 7(22): 9222–9233. — *authors contributed equally
- [21] Fanali, L. Z.; Valverde, B. S. L.; Franco-Belussi, L.; PROVETE, D. B.; Oliveira, C. 2017. Response of digestive organs of *Hypsiboas albopunctatus* (Anura: Hylidae) to benzo[α]pyrene. *Amphibia-Reptilia* 38(2): 175–185.

[20] da Silva, F. R.; Provete, D. B.; Gerassi, L. K.; Bovo, R. P. 2017. What do data from fieldwork and scientific collections tell us about species richness and composition of amphibians and reptiles? *South American Journal of Herpetology* 12(9): 99–106.

1 Livingston, G.*; Fukumori, K.*; PROVETE, D. B.*; Kawachi, M.; Takamura, N.; Leibold, M. A. 2017. Predators regulate prey species sorting and spatial distribution in microbial landscapes. *Journal of Animal Ecology* 89(2): 501–510. — *authors contributed equally · Featured in F1000 Prime

[18] Faria, S. C.; PROVETE, D. B.; Thurman, C. L.; McNamara, J. C. 2017. Phylogenetic patterns and the adaptive evolution of osmoregulation in fiddler crabs (*Brachyura*, *Uca*). *PLoS One* 12: e0171870. — Winner of the 2017 “Prof. Sergio de Almeida Rodrigues” Award (Cebimar/USP)

[17] PROVETE, D. B.; Guimarães, C. S.; Melo, L. S. O.; Rossa-Feres, D. C. 2017. Tadpole of *Proceratophrys mantiqueira* (Anura: Odontophrynidae), with description of its internal oral features. *Copeia* 105(1): 46–52.

[16] da Silva, F. R.; PROVETE, D. B.; Hawkins, B. A. 2016. Range maps and checklists provide similar estimates of taxonomic and phylogenetic alpha diversity, but less so for beta diversity, of Brazilian Atlantic Forest anurans. *Natureza & Conservação* 14(2): 99–105.

[15] Garey, M. V.; PROVETE, D. B. 2016. Species composition, conservation status, and sources of threat of anurans in mosaics of highland grasslands of southern and southeastern Brazil. *Oecologia Australis* 20(2): 94–108.

[14] Leite, G. B.; Franco-Belussi, L.; PROVETE, D. B.; Oliveira, C. 2015. Comparative testis morphology in Neotropical anuran species. *Zoologischer Anzeiger* 257: 29–38.

[13] Garey, M. V.; PROVETE, D. B.; Martins, I. A.; Rossa-Feres, D. C.; Haddad, C. F. B. 2014. Anurans from the Serra da Bocaina National Park and surrounding buffer area, southeastern Brazil. *Check List* 10(2): 308–316.

1 Provete, D. B.; Gonçalves-Souza, T.; Garey, M. V.; Martins, I. A.; Rossa-Feres, D. C. 2014. Broad-scale spatial patterns of canopy cover and pond morphology affect the structure of a Neotropical amphibian metacommunity. *Hydrobiologia* 734: 69–79.

[11] Loyola, R. D.; Lemes, P.; Brum, F. T.; Provete, D. B.; Duarte, L. S. 2014. Clade-specific consequences of climate change to amphibians in Atlantic Forest protected areas. *Ecography* 37(1): 65–72.

[10] Provete, D. B. 2013. What is on the horizon for ecophylogenetics? *Natureza & Conservação* 11(1): 7–14.

[9] Villalobos, F.; Dobrovolski, R.; Provete, D. B.; Gouvea, S. F. 2013. Is rich and rare the common share? Describing biodiversity and informing conservation practices for South American amphibians. *PLoS One* 8: e56073.

[8] Provete, D. B.; Martins, I. A.; Gomes, F. B. R.; Garey, M. V.; Rossa-Feres, D. C. 2013. The larvae of *Proceratophrys melanopogon* (Anura: Cycloramphidae), with emphasis on internal oral morphology and comparisons with *P. moratoi* and *P. cururu*. *Herpetologica* 69: 163–174.

[7] Gomes, F. B. R.; Provete, D. B.; Martins, I. A. 2012. The tadpole of *Hylodes magalhaesi* Bokermann, 1967 (Anura: Hylodidae). *Journal of Herpetology* 46(4): 614–619.

[6] Provete, D. B.; Franco-Belussi, L.; Santos, L. R. S.; Zieri, R.; Moresco, R. M.; Almeida, S. C.; Martins, I. A.; Oliveira, C. 2012. Phylogenetic signal and diversity of visceral pigmentation in eight anuran families. *Zoologica Scripta* 41: 547–556.

[5] Provete, D. B.; Garey, M. V.; Nascimento, J.; Lourenço, L. B.; Rossa-Feres, D. C.; Haddad, C. F. B.; Toledo, L. F. 2012. Redescription of *Physalaemus barrioi* Bokermann, 1967 (Anura: Leiuperidae). *Copeia* 2012: 507–518. — Best Student Paper in Herpetology, *Copeia/ASIH*

[4] Provete, D. B.; Garey, M. V.; Silva, F. R.; Jordani, M. X. 2012. Knowledge gaps and bibliographical revision about free-swimming anuran larvae from Brazil. *North-Western Journal of Zoology* 8: 283–286.

[3] Provete, D. B.; Garey, M. V.; Dias, N. Y. N.; Rossa-Feres, D. C. 2011. The tadpole of *Physalaemus moreirae* Miranda-Ribeiro, 1937 (Anura: Leiuperidae). *Herpetologica* 67: 258–270.

[2] Provete, D. B.; Silva, F. R.; Garey, M. V.; Rossa-Feres, D. C. 2011. The anuran fauna from the northwestern region of the State of São Paulo: species list and key for adults. *Biota Neotropica* 11: 377–391. doi:10.1590/S1676-06032011000200036

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Preprints (in review)

Ganci, C. C.; Ortega, Z.; Provete, D. B. 2020. Harlequin frogs (*Lysapsus*) prefer mild places to park. *bioRxiv*. doi:10.1101/2020.06.11.146613

- Martins, C. de A.; Pays, O.; Souza, F. L.; Renaud, P.-C.; Valente-Neto, F.; Silveira, M.; Ochoa-Quintero, J.; Provete, D. B.; Santos, C. C.; Melo, I.; Rodrigues, M. E.; Duleba, S.; Nunes, A. V.; Ceballos-Rivera, O. D.; de O. Roque, F. 2023. Biodiversity responses to forest cover loss: taxonomy and metrics matter. *bioRxiv*. doi:10.1101/2023.05.21.541657
- Severgnini, M. R.; Provete, D. B. 2024. The effect of urbanisation and local environmental heterogeneity on phenotypic variability of a tropical treefrog. *bioRxiv* 2024.11.28.625871. doi:10.1101/2024.11.28.62587

Commentaries, editorials, and magazine papers

- [9] Jenkins, G. B.; Bosso, L.; Muth, A.; Nazareno, A. G.; Provete, D. B. 2024. The same, but different: introducing a new chapter at *Journal of Biogeography*. *Journal of Biogeography* 51: 1825–1826. doi:10.1111/jbi.14965
- [8] Williams, J. W.; Taylor, A.; Tolley, K. A.; Provete, D. B.; Correia, R.; Guedes, T. B.; Farooq, H.; Li, Q.; Pinheiro, H. T.; Liz, A. V.; Luna, L. W.; Matthews, T. J.; Palmeirim, A. F.; Puglielli, G.; Rivadeneira, M. M.; Robin, V. V.; Schrader, J.; Shestakova, T. A.; Tukiainen, H.; von der Heyden, S.; Zizka, A. 2023. Shifts to open access with high article processing charges hinder research equity and careers. *Journal of Biogeography* 50: 1485–1489. doi:10.1111/jbi.14697
- [7] Zenni, R. D.; Andersen, A.; Andrew, N. R.; Dias, A. T. C.; Quintero-Galvis, J. F.; Harguindeguy, N. P.; Jaureguiberry, P.; Lozano, V. L.; Nunes, C. A.; Pareja, M.; Perez, L. I.; Provete, D. B.; Pucheta, E.; Rolhauser, A. G.; da Silva, P. G.; Teixeira, F. Z.; Wacker, C.; Moulton, T. 2024. Ecology in South America: present state and future prospects. *Austral Ecology* 49: e13457. doi:10.1111/aec.13457
- [6] Jenkins, G. B.; Provete, D. B.; Harris, A. J. 2022. Expanding nature notes? A space for ecological observations, new species, and species records. *Ecology and Evolution* 12: e9215.
- [5] Provete, D. B.; Moreno, S.; D’Bastiani, E.; Santiago-Rosario, L. Y.; Tumber-Dávila, S. J. 2024. We are stronger together: building community to face barriers for Latin American and underrepresented ecologists. *Bulletin of the ESA* 105(4): e02180.
- [4] Mello, F. N. A.; Martínez-Blancas, A.; Vaz, M. C.; Bender, A.; Provete, D. B. 2021. Human dimensions: the Latin America and the Caribbean Chapter of ESA. *Bulletin of the ESA* 102(3): e01883. doi:10.1002/bes2.1883
- [3] Ceron, K.; Severgnini, M. R.; Provete, D. B. 2020. Boas práticas em análise de séries temporais em herpetologia. *Herpetologia Brasileira* 9(3): 70–83.
- [2] Provete, D. B.; Melo, A. S. 2012. O programa R e suas aplicações em Herpetologia. *Herpetologia Brasileira* 1: 15–17.
- [1] Provete, D. B.; Villalobos, F.; Cianciaruso, M. V. 2012. Shadows of the past: paleo-reconstructions, phylogenies, and macroecological hypotheses. *Frontiers of Biogeography* 4(2): 54–55.

Book chapters

- [4] Severgnini, M. R.; Ganci, C. C.; Souza, F. L.; Almeida-Gomes, M.; Angeoletto, F. H. S.; PROVETE, D. B. 2025. Ecological dynamics of frogs in tropical cities: uncovering bias using a systematic literature review. In: Angeoletto, F. H. S.; Tryjanowski, P.; Fellowes, M. (Eds.) *Ecology of Tropical Cities: Biodiversity, People & Places*, pp. 265–290. doi:10.1007/978-3-031-70867-1
- [3] Guedes, T.; Anderson, J.; Bacon, C.; PROVETE, D. B.; Antonelli, A. 2020. Diversity, endemism, and evolutionary history of mountain biotas outside the Andean region. In: Rull, V.; Carnaval, C. (Eds.) *Neotropical Diversification*. Springer, Berlin.
- [2] Gonçalves-Souza, T.; Garey, M. V.; da Silva, F. R.; Albuquerque, U. P.; PROVETE, D. B. 2019. Multidimensional analyses for testing ecological, ethnobiological, and conservation hypotheses. In: *Methods and techniques in ethnobiology and ethnoecology*. Springer, Berlin.
- [1] Gonçalves-Souza, T.; PROVETE, D. B.; Garey, M. V.; da Silva, F. R.; Albuquerque, U. P. 2019. Going back to basics: how to master the art of making scientifically sound questions. In: *Methods and techniques in ethnobiology and ethnoecology*. Springer, Berlin.

Books

- Acero-Murcia, A. C.; PROVETE, D. B.; Fischer, E. A. 2023. *Morcegos da Serra da Bodoquena*. Editora UFMS, Campo Grande. 30 p. [In Portuguese]
- da Silva, F. R.; Gonçalves-Souza, T.; Paterno, G. B.; PROVETE, D. B.; Vancine, M. H. 2022. *Análises Ecológicas no R*. NUPEA, Recife, Brazil. Freely available at analises-ecologicas.com
- Vasconcelos, T.; da Silva, F. R.; PROVETE, D. B.; Gomes, T.; Prado, V. H. M. 2019. *Biogeographic patterns of South American Amphibians*. Springer, Berlin.

SELECTED ORAL PRESENTATIONS

Provete, D. B.; Severgnini, M. R.; Maestri, R. The tempo and mode of tadpole body shape evolution. *2021 Virtual Asilomar conference, American Society of Naturalists*. [video](#)

Provete, D. B.; Franco-Belussi, L.; Santos, L. R. S.; Zieri, R.; Moresco, R. M.; Almeida, S. C.; Martins, I. A.; Oliveira, C. Phylogenetic signal and diversity of visceral pigmentation in eight anuran families. *2013 Joint Meeting of Ichthyologists and Herpetologists, Albuquerque, USA*.

Provete, D. B.; Gonçalves-Souza, T.; Garey, M. V.; Martins, I. A.; Rossa-Feres, D. C. Fine-scale spatial patterns and pond morphology jointly affect metacommunity structure of Neotropical tadpoles. *49th Meeting of the Association for Tropical Biology and Conservation, 2012, Bonito, Brazil*.

Provete, D. B. Phylogenies help to uncover diversity patterns of Neotropical amphibians. *49th Meeting of the Association for Tropical Biology and Conservation, 2012, Bonito, Brazil*.

Provete, D. B.; Gonçalves-Souza, T.; Martins, I. A.; Rossa-Feres, D. C. Predaceous insects do not influence space use by anuran larvae in ponds: the role of scale and environment. *96th Annual Meeting of the Ecological Society of America, 2011, Austin, TX*.

Provete, D. B.; Garey, M. V.; Martins, I. A.; Rossa-Feres, D. C. Abundance patterns and spatial distribution in a metacommunity of tadpoles along a canopy cover gradient. *IX Latin American Congress of Herpetology, 2011, Curitiba, Brazil*.

Provete, D. B. Chondrocrania of frog larvae of the genus *Physalaemus* (Anura: Leiuperidae) and their relatives. *9th International Congress of Vertebrate Morphology, 2010, Punta del Este, Uruguay*.

PROFESSIONAL SERVICES

Administrative positions

2022 – present Coordinator, Evolution English Language Service (EELS), Society for the Study of Evolution

2024 – 2026 Council Speaker, Ecological Society of America

2022 – 2026 Member of the Council, Ecological Society of America

2022 – 2023 Chair, Latin American and Caribbean Chapter of ESA

2020 – 2021 Chair, Latin American and Caribbean Chapter of ESA

2019 – 2022 Graduate Program Director, Animal Biology Graduate Program, UFMS

Committees

2020 – 2022 Member, Issues in Ecology Committee — Ecological Society of America

2022 – 2025 Member, International Committee — Society for the Study of Evolution

Grant reviewer panelist

2021 Holsworth Wildlife Research Endowment

2020 Superintendência de Ciência, Tecnologia e Ensino Superior do Paraná (Brazil)

2018 – 2020 Society of Systematic Biologists (graduate student research award)

2016 Amazonas State Research Foundation (Brazil)

Journal reviewer

Full record: [Web of Science author profile](#).

Acta Herpetologica · American Journal of Botany · American Naturalist · Amphibia-Reptilia · Anatomical Record · Animal Conservation · Asian Herpetology Research · Austral Ecology · Biodiversity Data Journal · Biodiversity and Conservation · Biological Reviews · Biological Journal of the Linnean Society · Biota Neotropica · Biotropica · Botany · Brazilian Journal of Biology · Caldasia · Check List · Chemosphere · Climatic Change · Community Ecology · Communications Biology · Copeia · Current Zoology · Diversity and Distributions · Ecography · Ecology · Ecology and Evolution · Ecological Research · Environmental Entomology · Environmental Management · Ethnobiology and Conservation · Evolution · Forest Ecology and Management · Freshwater Biology · Functional Ecology · Herpetologia Brasileira · Herpetology Notes · Herpetological Conservation and Biology · Herpetological Journal · Herpetologica · Hydrobiologia · Integrative and Comparative Biology · Integrative Zoology · Journal of Animal Ecology · Journal of Avian Biology · Journal of Biogeography · Journal of Evolutionary Biology · Journal of Experimental Biology · Journal of Herpetology · Journal of Mountain Science · Journal of Natural History · Journal for Nature Conservation · Journal of Thermal Biology · Journal of Tropical Ecology · Landscape Ecology · Methods in Ecology and Evolution (Reviewer programme advisor) · Natureza & Conservação · Neotropical Biodiversity · Neotropical Ichthyology · North-Western Journal of Zoology · Oecologia · Oecologia Australis · Oikos · One Earth · Peerage of Science · PeerJ · Perspectives in Ecology and Conservation · PLoS One · Philosophical Transactions of the Royal Society B · Phyllomedusa · Proceedings of the Royal Society B · Restoration Ecology · Revista de Biologia Neotropical · Salamandra · South American Journal of Herpetology · Urban Ecosystems · Web Ecology · Wetlands · ZooKeys · Zoologia · Zoology · Zoomorphology · Zootaxa.

Editorial board membership

2023 – present	Associate Editor — <i>Evolution</i>
2023 – present	Senior Editor — <i>Journal of Biogeography</i>
2022 – present	Subject Matter Editor — <i>Frontiers in Ecology and the Environment</i>
2022 – present	Section then Senior Editor — <i>Ecology and Evolution</i>
2021 – 2023	Associate Editor — <i>Journal of Biogeography</i>
2021 – 2022	Associate Editor — <i>Ecology and Evolution</i>
2021 – 2023	Editor — <i>Austral Ecology</i>
2020 – 2023	Subject Matter Editor — <i>Ecosphere</i>
2021 – 2022	Section Editor (Biodiversity and Conservation) — <i>PeerJ</i>
2020 – 2025	Academic Editor — <i>PeerJ</i>
2020	Academic Editor — <i>PLoS One</i>
2020	Associate Editor — <i>Herpetological Journal</i>
2019 – present	Associate Editor — <i>Journal of Herpetology</i>
2014 – 2023	Associate Editor — <i>Amphibia-Reptilia</i>
2013 – 2018	Subject Editor — <i>Biodiversity Data Journal</i>
2013 – 2015	Editor-in-Chief — <i>Check List</i>
2013 – 2015	Subject Editor — <i>North-Western Journal of Zoology</i>
2012 – 2014	Managing Editor — <i>Herpetology Notes</i>

RESEARCH EXPERIENCE AND TECHNICAL SKILLS

- Field work surveying anuran amphibians: Serra da Bocaina National Park (Atlantic Rainforest, SP); Salto Morato Private Reserve (Atlantic Rainforest, PR); several localities in NW São Paulo (Atlantic Dry Forest); Lambari State Park (Atlantic Dry Forest, MG); several localities in southern Minas Gerais (Atlantic Dry Forest); Silvânia National Forest (Cerrado, GO); Base de Estudos do Pantanal (Pantanal, MS).
- Programming languages: R (intermediate–advanced), including phylogenetic, trait and multivariate community data; Matlab (beginner). Mesquite, SUPERSMART, Phylocom.
- Wet-laboratory procedures: processing biological material for scanning electron microscopy; clearing and staining of vertebrate bone and cartilage tissues.

GRANTS AND FELLOWSHIPS

2024 – 2025	Subsidy towards research costs (<i>Forschungskostenzuschuss</i>) — Humboldt Foundation — EUR 12,000
2024 – 2027	Research Productivity grant — FUNDECT-CNPq — BRL 75,600
2022 – 2025	Research grant — CNPq — BRL 99,000
Dec 2016 – Aug 2017	FAPESP postdoctoral fellowship — BRL 188,212
Apr 2015 – Oct 2015	CNPq Science-without-Borders postdoctoral fellowship — SEK 137,740
Apr 2011 – Mar 2015	CAPES-DS PhD fellowship — BRL 64,800
Feb 2013 – Dec 2013	CAPES-PDSE PhD exchange fellowship — BRL 60,662.64
Mar 2009 – Feb 2010	FAPESP Master's fellowship — BRL 16,481.52
Sep 2008 – Feb 2009	CAPES-DS Master's fellowship — BRL 8,500

INVITED SYMPOSIA AND SEMINARS

2025	Evolution seminar — Universität Bielefeld, Germany
2025	<i>Boas práticas para redação e submissão de artigos</i> — Wiley Customer Education
2025	<i>Acesso aberto e seus benefícios</i> — Wiley Customer Education
2024	Panelist — “Equity in open access publishing” — Association of Learned and Professional Society Publishers
2024	iDiv Seminar Series — <i>The other story told by urban ecology in the Global South</i>
2019	Short-course on Macroevolution — III Congresso Paulista de Ciências Biológicas, UNESP, São José do Rio Preto
2017	Seminar series, Department of Environmental Sciences — UFSCar, Sorocaba
2017	Science Club event series, Department of Biosciences — Swansea University, UK
2016	Institute of Biosciences, Letters and Exact Sciences — UNESP, São José do Rio Preto
2016	Seminars in Aquatic Biology, Institute of Biosciences — UNESP, Santos

