

Diego de Santana Souza, Ph.D.

Field Museum, 1400 S. DuSable Lake Shore Drive, Chicago, IL 60605

+1 (773) 524-0502 | dsouza@fieldmuseum.org | [website](#)**EDUCATION**

- 2013–2017** **Ph.D. in Biological Sciences (Entomology).** Federal University of Paraná, Brazil, with a year of research at the Institute of Evolutionary Biology, Barcelona, Spain.
- 2011–2013** **M.Sc. in Biological Sciences (Entomology).** Federal University of Paraná, Brazil.
- 2006–2009** **Bachelor of Biology.** Federal University of Rondônia, Brazil.

APPOINTMENTS

- 2023–present** **Postdoctoral researcher.** De Medeiros Insect Flower Visitors Lab, Field Museum, USA.
- 2021–2022** **Postdoctoral researcher.** Sperling Lab, University of Alberta, Canada.
- 2019–2021** **Assistant coordinator.** Taxonline Network of Biological Collections of Paraná, Brazil.
- 2017–2021** **Postdoctoral researcher.** Monné Lab, National Museum/Federal University of Rio de Janeiro, Brazil.
- 2010–2011** **Biologist.** Madeira River basin biodiversity and conservation project, Laboratory of Ichthyology, Federal University of Rondônia, Brazil.

LANGUAGE SKILLS

English, fluent; Spanish, fluent; Portuguese, native; Catalan, conversational.

FUNDING**Research grants and fellowships**

- 2025** Research grant, Grainger Bioinformatics Center, Field Museum. **Co-PI.** US\$10,000.
- 2025** Field work grant, Negaunee Foundation, Field Museum. **Co-PI.** US\$5,000.
- 2024** Research grant, Grainger Bioinformatics Center, Field Museum. **Co-PI.** US\$10,000.
- 2020** Postdoctoral fellowship, Carlos Chagas Filho Foundation, Brazil. **PI.** R\$270,000 (≈ \$53,000)
- 2017** Postdoctoral fellowship, Carlos Chagas Filho Foundation, Brazil. **PI.** R\$223,200 (≈ \$69,900)
- 2014** Ph.D. scholarship abroad, National Council for Scientific and Technological Development, Brazil. **PI.** 19,686€.
- 2014** Research grant, Spanish National Research Council, Spain. **Co-PI.** 10,000 euros.
- 2008** Undergraduate scholarship, National Council for Scientific and Technological Development, Brazil. **PI.** R\$8,400 (≈ US\$3,600).

Travel grants

- 2023** Araucaria Foundation, Brazil. R\$5,000, approximately US\$1,000.
- 2016** AMNH Collection Study Grant Program, USA. US\$1,175.
- 2015** Graduate Program in Entomology, Federal University of Paraná, Brazil. R\$2,200, approximately US\$680.

PUBLICATIONS**Articles in peer-reviewed journals**

- 2026** Silva Júnior, J.O., **Souza, D.S.** & Machado, R.J.P. A new species and notes on *Cendiuna* Galileo & Martins (Cerambycidae, Lamiinae, Hemilophini). *Papéis Avulsos de Zoologia* 66(1): e202666si10. [DOI](#)

- 2026 Silva Júnior, J.O., **Souza, D.S.** Monné, M.L., Machado, R.J.P., Van Dam, M.H., Nearn, E.H. & Swift, I.P. Looks can be deceiving: a possible novel mimicry assemblage in Cerambycidae (Coleoptera), with phylogeny and new species of firefly-like Hemilophini. *Insect Systematics and Diversity* 10(2): ixag009. [DOI](#)
- 2025 Silva Júnior, J.O., **Souza, D.S.**, Machado, R.J.P., Iannuzzi, L. New species and new records of flat-faced longhorned beetles (Cerambycidae, Lamiinae) from the Brazilian Northeast Region. *European Journal of Taxonomy* 1026(1): 250–274. [DOI](#)
- 2025 Sepúlveda, T.A., Marinoni, L., Stagman, M., **Souza, D.S.** Revision of the small and lesser-known genera of Neriidae (Diptera: Schizophora), *Derocephalus* Enderlein, *Gymnonerius* Hendel, *Indonesicesa* Koçak and Kemal, *Nipponerius* Cresson, *Paranerius* Bigot, *Protonerius* Meijere and *Stypocladus* Enderlein. *Proceedings of the Entomological Society of Washington* 127(3): 584–616. [DOI](#)
- 2025 Marinoni, L., **Souza, D.S.**, et al. Network of biological collections in Paraná State, Brazil—Taxonline: a success story, *Biological Journal of the Linnean Society* 146(2): blaf083. [DOI](#)
- 2025 **Souza, D.S.**, French, R.L.K., Silva Júnior, J.O., Nearn, E.H., Marinoni, L., Monné, M.A., Swift, I.P., Miller, K.B., Sperling, F.A.H., Monné, M.L. Cutting the sap: first molecular phylogeny of twig-girdler longhorn beetles (Coleoptera: Cerambycidae: Lamiinae: Onciderini) suggests shifts in host plant attack behaviors contributed to morphological evolution. *Systematic Entomology* 50(2): 369–386. [DOI](#)
- 2024 Caron, E., et al. Coleoptera of Brazil: what we knew then and what we know now. Insights from the Catálogo Taxonômico da Fauna do Brasil. *Zoologia* 41: e23072. [DOI](#)
- 2024 Boeger W.A., et al. Catálogo Taxonômico da Fauna do Brasil: Setting the baseline knowledge on the animal diversity in Brazil. *Zoologia* 41: e24005. [DOI](#)
- 2023 Silva Júnior, J.O., **Souza, D.S.**, Monné, M.L. *Phoebella queirozae*, a new species of longhorned beetles (Coleoptera: Cerambycidae) with notes on the male genitalia. *Neotropical Entomology* 53: 56–62. [DOI](#)
- 2023 Machado, D.N., Costa, E.C., Perini, C.R., Valmorbidia, I., **Souza, D.S.**, Pedron, L., Saldanha, M.A., Froehlich, R., Schuhli, G., Greff, H.P., Oliveira, J., Arnemann, J.A. Genetic diversity, phylogenetic and phylogeographic analyses of *Oncideres impluviata* (Germar, 1823) (Coleoptera: Cerambycidae) in Rio Grande do Sul state, Brazil. *Revista Brasileira de Entomologia* 67(1): e20220092. [DOI](#)
- 2023 **Souza, D.S.**, Sepúlveda, T.A., Monné, M.A., Marinoni, L., Monné, M.L. Molecular and morphological approaches redefine the limits among polymorphic species in the Neotropical longhorn beetle genus, *Myzomorphus* Sallé (Coleoptera: Cerambycidae: Prioninae). *Zootaxa* 5285(2): 252–270. [DOI](#)
- 2022 Gomes, L.R.P., **Souza, D.S.** A new fossil of Laemophloeidae Ganglbauer (Insecta, Coleoptera) from Miocene amber of Simojovel, Chiapas, Mexico. *Historical Biology* 31(11): 1–4. [DOI](#)
- 2022 Carli, C.S., **Souza, D.S.**, Monné, M.L. *Cevaeria estebani* Tavakilian, 2004 (Coleoptera, Cerambycidae): new country record from Amazonas, Brazil. *Check List* 18(5): 1131–1134. [DOI](#)
- 2022 Monné, M.L., Monné, M.A., **Souza, D.S.**, Carli, C.S. New distribution records of Cerambycinae (Coleoptera: Cerambycidae) in the Brazilian Amazon. *Zoologia* 39: e22009. [DOI](#)
- 2021 Echeverry, A.M., **Souza, D.S.**, Marinoni, L. Description of the immature stages, biology and DNA-barcoding of *Quichuana pogonosa* (Diptera: Syrphidae) collected in Bromeliaceae in Paraná, Brazil. *Zoologia* 38: e21004. [DOI](#)
- 2021 **Souza, D.S.**, Andriolo, A., Sepúlveda, T.A., Silveira, M.A.P.A. Unveiling the diversity of longhorn beetles (Coleoptera, Cerambycidae) in the Brazilian western Amazonia: a checklist of the Entomological Collection of the Federal University of Rondônia, Brazil. *Zootaxa* 4981(2): 201–233. [DOI](#)
- 2021 Gomes, L.R.P., **Souza, D.S.**, de Carvalho, C.J.B. First insights into the evolution of Neotropical anthomyiid flies (Diptera: Anthomyiidae). *Systematics and Biodiversity* 19(7): 724–737. [DOI](#)
- 2021 **Souza, D.S.**, Lampert, S., Sepúlveda, T.A., Sanz-Veiga, P.A., Savaris, M. *Psyllotoxus griseocinctus* Thomson, 1868 (Coleoptera: Cerambycidae): a potential pest of roses in Brazil. *Annals of the Brazilian Academy of Sciences* 93(4): e20201976. [DOI](#)
- 2021 Silva Jr, J.O., Haseyama, K.L.F., **Souza, D.S.** Phylogenetic approach redefines *Plistonax* (Coleoptera, Cerambycidae, Lamiinae) with new combinations and a new genus of flat-faced longhorned beetles. *Organisms Diversity & Evolution* 21: 491–520 [DOI](#)

- 2020 Sepúlveda, T.A., **Souza, D.S.**, Echeverry, A., Marinoni, L., de Carvalho, C.J.B. Revalidation and taxonomic revision of *Teloneria* Aczél (Diptera, Neriidae), with description of two new species. *European Journal of Taxonomy* 717: 70–89. [DOI](#)
- 2020 **Souza, D.S.**, Sepúlveda, T.A., Marinoni, L., Monné, M. L. Phylogenetic analyses provide new insights into systematics of the longhorn beetle tribe Acrocinini (Coleoptera: Cerambycidae: Lamiinae). *Arthropod Systematics & Phylogeny* 78(1): 17–27. [DOI](#)
- 2020 Monné, M.L., **Souza, D.S.**, Mello, A.P., Monné, M.A. Synopsis of the genus *Pseudocriopsis* (Insecta: Coleoptera: Cerambycidae). *Zootaxa* 4772(3): 512–516. [DOI](#)
- 2020 **Souza, D.S.**, Marinoni, L., Monné, M.L., Gómez-Zurita, J. Molecular phylogenetic assessment of the tribal classification of Lamiinae (Coleoptera: Cerambycidae). *Molecular Phylogenetics and Evolution* 145: 106736. [DOI](#)
- 2020 Monteiro, G.S., **Souza, D.S.**, Nascimento, F.E.L., Haseyama, K.L.F. Checklist of the Lamiinae (Coleoptera, Cerambycidae) of the Taxonomic Collections Center of the Federal University of Minas Gerais (Brazil). *Zootaxa* 4742(2): 168–180. [DOI](#)
- 2020 Sepúlveda, T.A., Echeverry, A., **Souza, D.S.** New species of *Chaetonerius* Hendel (Diptera: Neriidae) and key for identification of the Neriidae of Tanzania. *Zootaxa* 4755: 190–194. [DOI](#)
- 2019 Monné, M.L., Monné, M.A., **Souza, D.S.** The genus *Ozineus* Bates, 1863 in South America (Coleoptera, Cerambycidae, Lamiinae). *Zootaxa* 4695: 593–600. [DOI](#)
- 2019 Silva Júnior, J.O., Haseyama, K.L.F., **Souza, D.S.** New species and new combination in the genus *Plistonax* Thomson, 1864 (Cerambycidae, Lamiinae, Acanthoderini). *Zootaxa* 4679: 392–396. [DOI](#)
- 2019 Sepúlveda, T.A., **Souza, D.S.** A new species of *Chaetonerius* Hendel (Diptera: Neriidae) from Northeast Madagascar. *Zootaxa* 4656: 389–392. [DOI](#)
- 2019 Sepúlveda, T.A., **Souza, D.S.**, Gomes, L.R.P., Fogaça, J.M., de Carvalho, C.J.B. The Neriidae (Diptera) of Southeast Asia: A taxonomic revision of the genus *Telostylus*. *European Journal of Entomology* 116: 281–301. [DOI](#)
- 2019 Sepúlveda, T.A., **Souza, D.S.** Taxonomy and phylogeny of the *Eoneria*-group (Diptera, Neriidae). *Insect Systematics & Evolution* 51(4): 637–671. [DOI](#)
- 2017 **Souza, D.S.**, Monné, M.L., Marinoni, L. Phylogeny of the Neotropical longhorn beetle genus *Ateralphus* (Coleoptera: Cerambycidae: Lamiinae). *Zoologia* 34: 1–11. [DOI](#)
- 2016 **Souza, D.S.** A new species of *Colobothea* Lepeletier & Audinet-Serville, 1825 (Coleoptera: Cerambycidae: Lamiinae) from Ecuador. *Zootaxa* 4161: 129–132. [DOI](#)
- 2014 **Souza, D.S.**, Monné, M.L. Synopsis of the genus *Exalphus* Restello, Iannuzzi & Marinoni (Coleoptera, Cerambycidae, Lamiinae), with description of a new species and new country records. *Revista Brasileira de Entomologia* 58: 19–24. [DOI](#)
- 2013 **Souza, D.S.**, Monné, M.L. Revision of the genus *Ateralphus* Restello, Iannuzzi & Marinoni, 2001 (Coleoptera: Cerambycidae: Lamiinae). *Zootaxa* 3736: 301–337. [DOI](#)
- 2013 **Souza, D. S.**, Monné, M.L. *Alphus marinonii* sp. nov., nova espécie para o Peru e Brasil (Coleoptera, Cerambycidae, Lamiinae). *Revista Brasileira de Entomologia* 57: 9–11. [DOI](#)
- 2012 **Souza, D.S.**, Silva, A.A. Cerambycidae (Insecta: Coleoptera) of the Parque Natural Municipal de Porto Velho, Western Amazon, Brazil. *Biota Neotropica* 12: 237–240. [DOI](#)

Articles in preparation / in review

- Souza, D.S.**, Sepúlveda, T.A., French, R.L.K., de Medeiros, B.A.S., Silva Júnior, J.O., Machado, D.N., Sylvester, T., Marinoni, L., Nearns, G.H., Monné, M.L. & Sperling, F.A.H. Chromosome-scale genome of the twig-girdler longhorn beetle *Oncideres impluviata* reveals genomic organization of herbivore-related functions. *BMC Biology* (in review)
- Postema, E.G., *et al.* DrawerDissect: Whole-drawer insect imaging, segmentation, and transcription using AI. *EcoEvoRxiv*. (preprint) [DOI](#)

Book chapters

- 2024** Souza, D.S., Pacheco, T.L., Botero, J.P., Monné, M.A. *Conhecendo os besouros*. In: Magalhães, R.C.F *et al.* (Ed.) UFRJMar – a história contada sob vários olhares. Universidade Federal do Rio de Janeiro.
- 2023** Monné, M. L., Souza, D.S., Monné, M.A., Ganho, N.G., Caron, A.P. *Arthropoda, Insecta, Coleoptera, Cerambycidae*. In: Straube F.C. (Ed.) Inventário da Fauna de Curitiba. Prefeitura Municipal de Curitiba, p. 119–124. [PDF](#)
- 2013** Vieira, F.G., Souza, D.S., Freitas, M.H.M., Mota, A. C.F. Chapter 54. *Tetraodontidae*. In: Queiroz, L.J., Torrente-Vilara, G., Ohara, W.M., Pires, T.H.S., Zuanon, J., Doria, C.R.C. (Orgs.). Peixes do Rio Madeira. 1 ed., v. III, p. 403–405. [PDF](#)
- 2013** Queiroz, L.J., Ohara, W.M., Doria, C.R.C., Vieira, F.G., Souza, D.S., Torrente-Vilara, G., Zuanon, J. Chapter 3. *A coleção de peixes da Universidade Federal de Rondônia: registro histórico da diversidade ictiofaunística na bacia do Rio Madeira e seu indissociável papel à conservação da região*. In: Queiroz, L.J., Torrente-Vilara, G., Ohara, W.M., Pires, T.H.S., Zuanon, J., Doria, C.R.C. (Orgs.). Peixes do Rio Madeira. 1 ed., v. I, p. 46–56. [PDF](#)

Websites

- 2022** Souza, D.S., Jorge, I., Marinoni, L., Sepúlveda, T.A. [Repository Prof. Renato Contin Marinoni: A platform to access images of types of Cerambycidae](#).
- 2018** Sepúlveda, T.A., Souza, D.S. [Neriidae.com](#).
- 2016** Monné, M.L, Monné, M. A., Souza, D.S. [Taxonomic Catalog of the Brazilian Fauna](#). [data provider for families Buprestidae and Cerambycidae]

Technical reports

- 2011** Ohara, W.M., Queiroz, L.J., Vieira, F.G., Zuanon, J.A.S., Torrente-Vilara, G. & Souza, D.S. Chapter 3. *Inventário taxonômico da ictiofauna do Rio Madeira*. In: Programa de Monitoramento e Conservação da Ictiofauna do Rio Madeira: Relatório Técnico (outubro-dezembro/2010).

Texts in magazines

- 2013** Souza, D.S. Taxonomy of *Ateralphus* Restello, Iannuzzi & Marinoni, 2001 (Coleoptera: Cerambycidae: Lamiinae). *Boletim Informativo da Sociedade Brasileira de Zoologia* (XXXV)105: 10–11. [PDF](#)

TEACHING AND TRAINING

Courses at universities

- Biogeography**. Graduate Program in Entomology, Federal University of Paraná, Brazil. 2017, 10 students; 2021, 16 students.
- Biological collections and taxonomy**. Biological Sciences program, Federal University of Paraná, Brazil. 2019, 23 students.
- Field ecology**. Biological Sciences program, Federal University of Rondônia, Brazil. 2010, 14 students.
- Phylogeny of insects**. Graduate Program in Zoology, National Museum/Federal University of Rio de Janeiro, Brazil. 2019, 9 students; 2021, 5 students.
- Systematic entomology/Coleopterology**. Graduate Program in Zoology, National Museum/Federal University of Rio de Janeiro, Brazil. 2018, 6 students; 2020, 4 students; 2021, 5 students; 2024, 6 students.

Short courses

- Collection, preservation, mounting, and identification of insects**. Entomology Course, Federal University of Rondônia, Brazil. 2018.
- Methods and techniques for insect collection**. VI Week of Biology, Federal University of Rondônia, Brazil. 2007.

Taxonomy and phylogeny of insects. IV Outreach Course in Entomology, Federal University of Paraná, Brazil. 2015.

MENTORING AND SUPERVISION

- 2024–present** **Supervisor.** **Miranda Montgomery** and **Tim Knuth**, volunteers, Field Museum. Project: Digitization of type material of longhorn beetles in the Insects Collection.
- 2023–present** **Co-supervisor.** **Miles Stagman**, volunteer, Field Museum. Project: Curation and digitization of neriid and micropezid flies in the Insects Collection.
- 2025–2025** **Co-supervisor.** **Gisele Jozwiak**, Women in Science Undergraduate Intern, Field Museum/Latin School of Chicago. Project: Exploring beetle diversity through DNA extraction and databasing of woodboring weevils (Cossoninae). **Lynika Strozier Women in Science Internship Award.**
- 2025–2025** **Co-supervisor.** **Rania Fergani**, Women in Science High School Intern, Field Museum/DePaul University. Project: Exploring beetle diversity through DNA extraction and databasing of woodboring weevils (Cossoninae).
- 2024–2025** **Co-supervisor.** **Aviana Hoist**, **Riley Milay**, and **Stella Guri**, undergraduate interns, Field Museum/Roosevelt University. Project: Curation, digitization, and imaging of twig-girdler longhorn beetles in the Insects Collection.
- 2023–2024** **Co-supervisor.** **Dexter Phillip**, volunteer, Field Museum. Project: Curation, digitization, and imaging of beetles in the Insects Collection.
- 2021–2022** **Co-advisor.** **Camila da Silva Carli**, undergraduate student, National Museum/Federal University of Rio de Janeiro. Project: A handbook of the longhorned beetles (Coleoptera: Cerambycidae) that develop on palm trees in Brazil. **Published in Carli et al. (2022).**
- 2021–2022** **Co-supervisor.** **Gabrielle Cabral Fernandes Barroso**, undergraduate student, National Museum/Federal University of Rio de Janeiro. Project: The longhorned beetles (Coleoptera: Cerambycidae) associated to *Araucaria angustifolia*.
- 2020–2024** **Co-advisor.** **José Osvaldo Silva Júnior**, Ph.D. student, Federal University of Paraná. Project: Phylogenetic relationships and taxonomy of Hemilophini (Coleoptera: Cerambycidae: Lamiinae).
- 2019–2021** **Co-advisor.** **Angela Maria Echeverry**, M.Sc. student, Federal University of Paraná. Project: Taxonomy of Syrphidae (Diptera) of Bromeliaceae of the Atlantic Forest in the State of Paraná. **Published in Echeverry et al. (2021).**
- 2019–2021** **Co-supervisor.** **Amanda Passos Mello**, undergraduate student, National Museum/Federal University of Rio de Janeiro. Project: Taxonomy of the genus *Pseudocriopsis* (Cerambycidae). **Published in Monné et al. (2020).**
- 2018–2020** **Co-advisor.** **José Osvaldo Silva Júnior**, M.Sc. student, Federal University of Minas Gerais, Brazil. Project: Revision and phylogeny of *Plistonax* Thomson, 1864 (Coleoptera, Cerambycidae, Lamiinae). **Published in Silva Junior et al. (2021).**
- 2017–2019** **Co-advisor.** **Gôndia Soares Monteiro**, undergraduate student, Federal University of Minas Gerais. Project: Cerambycidae (Insecta, Coleoptera) of the Center of Taxonomic Collections of the Federal University of Minas Gerais, Brazil. **Published in Monteiro et al. (2020).**

PROFESSIONAL SERVICE AND MEMBERSHIPS

Peer review

Arthropod Systematics & Phylogeny

Check List

Ecology and Evolution

Genome Biology and Evolution

Journal of Natural History

Journal of the Entomological Research Society

Methods in Ecology and Evolution

Nature Communications
Papéis Avulsos de Zoologia
Scientific Reports
Systematic Entomology
Zootaxa

Professional memberships

Entomological Society of America (member since 2023)
Entomological Collections Network (member since 2022)
Entomological Society of Canada (member 2022–2024)
Brazilian Society of Zoology (member since 2017)
Society for the Study of Evolution (member since 2026)

Evaluation committee member

2020 Master's and Ph.D. student qualifications, **Semana de Entomologia**, Federal University of Paraná, Brazil.
2020 Ph.D. dissertation in Entomology of **Isaac Reis Jorge**, Federal University of Paraná, Brazil.
2019 Talks and poster presentations, **EntomoRio – Symposium of Entomology of Rio de Janeiro**, Brazil.
2013 Bachelor's monograph in Biological Sciences of **Marcelli Krul Vieira**, Federal University of Paraná, Brazil.

OUTREACH AND PUBLIC ENGAGEMENT

2026 **Show-and-tell/table station.** Field Museum, 75th Annual Members' Night, Chicago, USA. "Weevils in the wild: fieldwork, diversity, and discovery."
2026 **Show-and-tell/table station.** Field Museum, Evening with Curators, Chicago, USA. "The dual path of weevil evolution."
2025 **Insects Collection tour.** Field Museum, with [UIC Heritage Garden Interns](#), Chicago, USA. "Conservation of Illinois species."
2025 **Show-and-tell/table station.** Field Museum, Dozin' with the Dinos, Chicago, USA. "Iridescent insects."
2025 **Show-and-tell/table station.** Field Museum, 74th Annual Members' Night, Chicago, USA. "Love hurts: mating behaviors in insects."
2025 **Insects Collection tour.** Field Museum, as part of the [Chicagoland City Nature Challenge](#), Chicago, USA. "Federally and Illinois threatened or endangered species."
2024 **Interview.** Time Out Chicago. Published as ["The Cicada-geddon has arrived: Here's what you need to know, according to an expert."](#)
2024 **Show-and-tell/table station.** Field Museum, Meet a Scientist, Grainger Science Hub, Chicago, USA. "Cicadas in Illinois 2024: once in a lifetime double-emergence."
2024 **Show-and-tell/table station.** Field Museum, 73rd Annual Members' Night, Chicago, USA. "Diversity of beetles."
2023 **Show-and-tell/table station.** Field Museum Benefit Ball, Chicago, USA. "Iridescent insects."
2023 **Public talk.** National Museum/Federal University of Rio de Janeiro, Club of Young Scientists, Rio de Janeiro, Brazil. "Endangered beetles" [Besouros em extinção].
2023 **Show-and-tell/table station.** Field Museum, Bioblitz at Rice Native Gardens, Chicago, USA. "DNA barcode of insects."
2023 **Show-and-tell/table station.** Field Museum, 72nd Annual Members' Night, Chicago, USA. "Diversity of beetles."
2018 **Public talk.** National Museum/Federal University of Rio de Janeiro, Club of Young Scientists, Rio de Janeiro, Brazil. "Endangered beetles" [Besouros em extinção].

- 2018 Workshop organizer.** UFRJ Mar Paraty, Paraty, Brazil. “Learning about beetles” [Oficina “Conhecendo os besouros”].
- 2018 Workshop organizer.** National Museum/Federal University of Rio de Janeiro, 200 years of the National Museum, Rio de Janeiro, Brazil. “Learning about beetles” [Oficina “Conhecendo os besouros”].
- 2012 Workshop organizer.** National Museum/Federal University of Rio de Janeiro, 194 years of the National Museum, Rio de Janeiro, Brazil. “Learning about beetles” [Oficina “Conhecendo os besouros”].

SCIENTIFIC MEETINGS

Oral presentations, organization, and invited participations

- 2026 Oral presentation.** Evolution Meeting, Cleveland, USA. “Clustered genomes, partitioned expression: how a twig-girdler longhorn beetle organizes its host-interface gene repertoire.”
- 2025 Symposium organizer.** Entomological Society of America Annual Meeting, Portland, USA. “Life in wood: advances in Cerambycidae and Buprestidae research.” **Oral presentation:** “Systematics and evolution of Cerambycidae: advances, insights, and future directions.”
- 2025 Invited panelist.** III Encontro de Coleoptera, online, Brazil. “Trends in using molecular data to study beetle evolution.”
- 2024 Invited oral presentation.** International Congress of Entomology, Kyoto, Japan. “Phylogenomics illuminates the evolution of Dryophthorinae weevils (Coleoptera: Curculionidae).”
- 2023 Oral presentation.** Entomological Society of America Annual Meeting, National Harbor, USA. “Nanopore adaptive sampling as an alternative to hybrid enrichment in phylogenomics: a test using weevils.”
- 2022 Oral presentation.** Joint Annual Meeting of the Entomological Society of America, Entomological Society of Canada, and Entomological Society of British Columbia, Vancouver, Canada. “Advances in genomic studies of longhorn beetles (Coleoptera, Cerambycidae): a new reference genome and insights into the evolution and ecological diversity of twig-girdlers.”
- 2018 Oral presentation.** XXXII Congresso Brasileiro de Zoologia, Foz do Iguaçu, Brazil. “The *Eoneria*-group (Diptera, Neriidae): a revision of taxonomy, distribution data and phylogeny.”
- 2018 Invited oral presentation.** XXXII Congresso Brasileiro de Zoologia, Foz do Iguaçu, Brazil. “Phylogenetic placement of the longhorned beetle genus *Macropophora* (Cerambycidae, Lamiinae) assessed from morphological characters.”
- 2018 Oral presentation.** ESA, ESC and ESBC Joint Annual Meeting, Vancouver, Canada. “Molecular systematic assessment of the tribal classification of Lamiinae (Cerambycidae).”
- 2016 Invited oral presentation.** XXV International Congress of Entomology, Orlando, USA. Phylogeny of Polyrhaphidini and their placement among the Lamiinae (Coleoptera: Cerambycidae).
- 2016 Invited talk.** Museu de Ciências Naturals de Barcelona, Barcelona, Spain. “Molecular phylogenetic assessment of the longhorn beetle tribe Polyrhaphidini (Cerambycidae: Lamiinae).”
- 2015 Course organization.** IV Extension Course in Entomology, Federal University of Paraná, Brazil. **Talk and workshop:** “Taxonomy and phylogeny of insects.”
- 2008 Meeting organization.** VII Week of Biology of the Federal University of Rondônia, Porto Velho, Brazil
- 2007 Meeting organization.** VI Week of Biology, Federal University of Rondônia, Brazil. **Talk and workshop:** “Methods and techniques for collection of insects.”

Posters in congresses and meetings

- 2026** Evolution Meeting, Cleveland, USA. “Host specialization without cophylogeny in palm flower weevils” (Magland, A., **Souza, D.S.**, Lira, A., de Medeiros, B.A.S.)
- 2018** V Simpósio de Zoologia Sistemática, Belo Horizonte, Brazil. “Revisão e análise cladística das espécies de *Plistonax* Thomson, 1864 (Coleoptera, Cerambycidae).” (Silva-Júnior, J.O., Haseyama, K.L.F., **Souza, D.S.**)
- 2016** V Congreso de la Sociedad Española de Biología Evolutiva, Murcia, Spain. Phylogeny of Polyrhaphidini and their placement among the tribes of Lamiinae (Coleoptera, Cerambycidae). (**Souza, D.S.**, Marinoni, L., Monné, M.L., Gómez-Zurita, J.)

- 2013** II Simpósio de Entomologia do Rio de Janeiro, Rio de Janeiro, Brazil. “Sinopse de *Exalplus* Restello, Iannuzzi & Marinoni, 2001 (Coleoptera, Cerambycidae, Lamiinae) com descrição de uma espécie nova.” (Souza, D.S., Monné, M.L.)
- 2011** XIX Encontro Brasileiro de Ictiologia. Manaus, Brazil. “A Coleção de Peixes da Universidade Federal de Rondônia: Fonte de Conhecimento e Registro da Biodiversidade da Bacia do Rio Madeira em Território Brasileiro.” (Dória, C.R.C., Queiroz, L.J., Vieira, F.G., Souza, D.S., Torrente-Vilara, G.)
- 2010** XXVII Congresso Brasileiro de Zoologia, 2010, Belém, Brazil. “Fauna de Cerambycidae (Insecta, Coleoptera) do Parque Natural Municipal de Porto Velho.” (Souza, D.S., Gadelha, S., Silva, A.A.)
- 2010** XXVIII Congresso Brasileiro de Zoologia, Belém, Brazil. “Atividade alimentar e dieta de *Auchenipterichthys thoracatus* no alto rio Madeira, Rondônia, Brasil.” (Martins, R.A.S.B., Röpke, C.P., Souza, D.S., Machado, L.)
- 2010** XXIII Congresso Brasileiro de Entomologia, Natal, Brazil. “Análise da diversidade de Ichneumonidea (Insecta, Hymenoptera) do Parque Natural Municipal de Porto Velho - RO.” (Gadelha, S.S., Souza, D.S., Dias, A.M.P.M., Silva, A.A.)
- 2008** XXVII Congresso Brasileiro de Zoologia, Curitiba, Brazil. “Assembléia de borboletas frugívoras (Nymphalidae, Lepidoptera) em área de floresta Ombrófila Aberta, Porto Velho - Rondônia.” (Silveira, M.A.P.A., Moura, A.L., Souza, D.S., Trindade, F.T.T.)
- 2008** XXVII Congresso Brasileiro de Zoologia, Curitiba, Brazil. “Fauna de Cerambycidae (Insecta, Coleoptera) às margens do rio Madeira, Porto Velho - RO.” (Souza, D.S., Silva, A. A., Moura, A.L., Cruz, P.V., Silveira, M.A.P.A.)

Participation in scientific meetings

- 2026** Evolution Meeting, Cleveland, USA.
- 2025** Entomological Society of America Annual Meeting, Portland, USA.
- 2025** III Encontro de Coleoptera, online, Brazil.
- 2024** International Congress of Entomology, Kyoto, Japan.
- 2023** Entomological Society of America Annual Meeting, National Harbor, USA.
- 2022** Joint Annual Meeting of the Entomological Society of America, Entomological Society of Canada, and Entomological Society of British Columbia, Vancouver, Canada.
- 2020** XXXIII Congresso Brasileiro de Zoologia. Águas de Lindóia, Brazil.
- 2018** ESA, ESC and ESBC Joint Annual Meeting. Vancouver, Canada.
- 2018** XXXII Congresso Brasileiro de Zoologia. Foz do Iguaçu, Brazil.
- 2017** 9th International Symposium on Syrphidae. Curitiba, Brazil.
- 2016** XXV International Congress of Entomology. Orlando, United States of America.
- 2016** III Iberian Congress of Biological Systematics. Vitoria-Gasteiz, Spain.
- 2015** Immature Beetles Meeting. Prague, Czech Republic.
- 2013** II Simpósio de Entomologia do Rio de Janeiro. Rio de Janeiro, Brazil.

FIELDWORK

Brazil: Amazonian moist forests; Atlantic Forest and montane grasslands; Caatinga dry forests; Cerrado savannas and woodlands; Chaco dry forests; Pantanal flooded grasslands and savannas; and Pampas temperate grasslands.

Bolivia: Amazonian moist forests.

Canada: Aspen parkland/boreal transition habitats and Canadian Rockies montane/subalpine forests.

Colombia: Northwestern Andean montane forests and Magdalena Valley dry forests.

Panama: Chocó-Darién moist forests; Isthmian-Pacific moist forests; Central American montane/cloud forests; and Pacific coastal habitats.

Spain: Mediterranean forests, woodlands, and scrub.

United States: Texas ecoregions including Piney Woods, Edwards Plateau, Trans-Pecos desert and montane habitats, and Chihuahuan Desert systems; old-growth beech-maple mesic forest in Michigan.

COLLECTION AND MUSEUM EXPERIENCE

Dry-pinned collections

- 2023–present** Field Museum of Natural History. Chicago, USA.
2022 University of Guelph Insect Collection. Guelph, Canada.
2021–2022 E.H. Strickland Entomological Museum, University of Alberta. Edmonton, Canada.
2019 Federal University of Minas Gerais. Belo Horizonte, Brazil.
2017 American Museum of Natural History. New York, USA.
2016 University of Antioquia. Medellín, Colombia.
2015 Private Collection of Mr. Eduard Vives. Terrassa, Spain.
2015 Natural History Museum of Prague. Prague, Czech Republic.
2015, 2017, 2023 National Museum of Natural History, Smithsonian Institution. Washington, D.C., USA.
2013 Federal University of Pernambuco. Recife, Brazil.
2012, 2013, 2016, 2017–2021 National Museum/Federal University of Rio de Janeiro. Rio de Janeiro, Brazil.
2011–2017, 2019–2021 Federal University of Paraná. Curitiba, Brazil.
2008, 2009, 2010 Museum of Zoology, University of São Paulo. São Paulo, Brazil.
2007–2009, 2018 Federal University of Rondônia. Porto Velho, Brazil.

DNA and tissue collections

- 2018** Private Collection of Drs. Eugenio Nearn and Ian Swift. Irvine, USA.
2015 Institute of Entomology, Biology Centre. České Budějovice, Czech Republic.
2015–2016 Institute of Evolutionary Biology. Barcelona, Spain.

HONORS

Fossil species dedicated: *Palaeonerius souzai* Sepúlveda & Gomes, 2020 (Diptera, Neriidae)

NEW TAXA DESCRIBED

Genera

- Miguelmonneus* Silva Júnior, Haseyama & Souza, 2021 (Coleoptera, Cerambycidae).
Grandateralphus Souza, Monné & Marinoni, 2017 (Coleoptera, Cerambycidae).

Species

- Cendiuna migueli* Silva Júnior, Souza & Machado, 2026 (Coleoptera, Cerambycidae).
Pyrobolus fernandoi Silva Júnior, Souza, *et al.*, 2026 (Coleoptera, Cerambycidae).
Pyrobolus monnei Silva Júnior, Souza, *et al.*, 2026 (Coleoptera, Cerambycidae).
Pyrobolus piliventris Silva Júnior, Souza, *et al.*, 2026 (Coleoptera, Cerambycidae).
Pyrobolus praestigiosus Silva Júnior, Souza, *et al.*, 2026 (Coleoptera, Cerambycidae).
Malacoscyllus licae Silva Júnior, Souza, Machado & Iannuzzi, 2025 (Coleoptera, Cerambycidae).
Apagomerella nordestina Silva Júnior, Souza, Machado & Iannuzzi, 2025 (Coleoptera, Cerambycidae).
Phoebella queirozae Silva Júnior, Souza & Monné, 2023 (Coleoptera, Cerambycidae).
Placonotus sepulveda Gomes & Souza, 2022 (Coleoptera, Laemophloeidae).
Teloneria juceliae Sepúlveda & Souza, 2020 (Diptera, Neriidae).
Teloneria ladyae Sepúlveda & Souza, 2020 (Diptera, Neriidae).

Pseudocriopsis abare Monné, Souza, Mello & Monné, 2020 (Coleoptera, Cerambycidae)
Chaetonerius stichodactylus Sepúlveda, Echeverry & Souza, 2020
Chaetonerius serratus Sepúlveda & Souza, 2019 (Diptera, Neriidae)
Plistonax albituberculatus Silva Júnior & Souza, 2019 (Coleoptera, Cerambycidae)
Colobothea fikaceki Souza, 2016 (Coleoptera, Cerambycidae)
Exalphus solangeae Souza & Monné, 2013 (Coleoptera, Cerambycidae)
Ateralphus auritarsus Souza & Monné, 2013 (Coleoptera, Cerambycidae)
Ateralphus lucianeae Souza & Monné, 2013 (Coleoptera, Cerambycidae)
Ateralphus tumidus Souza & Monné, 2013 (Coleoptera, Cerambycidae)
Alphus marinonii Souza & Monné, 2013 (Coleoptera, Cerambycidae)