

THIAGO SANCHES RANZANI DA SILVA
Finnish Museum of Natural History, University of Helsinki
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PROFESSIONAL HISTORY

2025-present	Postdoctoral Researcher	Finnish Museum of Natural History, Finland
2023-2024	Postdoctoral Fellow	Universidade Federal do Paraná, Brazil
2021-2023	Senior Research Assistant	The University of Hong Kong, Hong Kong SAR
2019-2020	Postdoctoral Fellow	Universidade Federal do Paraná, Brazil

RESEARCH INTERESTS

Critical Archival Studies, Museum Studies, Collection Management, Digital Humanities and Archiving, Specialized Terminology, Biological Taxonomy, Data Modeling and Knowledge Bases, Latin American Studies, Computer and Videogame Studies

EDUCATION

Doctor's degree | Biological Sciences (Entomology), Federal University of Paraná, Brazil, November 2018

Master's degree | Biological Sciences (Systematics, Animal Taxonomy, and Biodiversity), University of São Paulo, Brazil, August 2014

Bachelor's degree | Biological Sciences, Regional University of Blumenau, Brazil, August 2010

PUBLICATIONS

Journal Articles

Silva T.S.R., Neundorf A.C.A., Feitosa R.M. (2026) Materiality and context of specimen labels: exposing frictions between local and global priorities in the preservation of 'non-prototypical' records. *Biological Journal of the Linnean Society*.

Silva T.S.R., Ladino N., Feitosa R.M. (2025) Additions to the taxonomy of Neotropical *Strumigenys* (Hymenoptera: Formicidae): description of new species, terminology alignment, and etymology of the generic epithet. *Revista Brasileira de Entomologia*.

Silva T.S.R., Silva B.S.R. (2025) Narratives of environmental crisis in Chrono Cross: settler colonialism, inter-species conflicts, and environmental injustice. *Revista Eletrônica Ludus Scientiae* 9: 7-28.

Silva T.S.R. (2025) Reframing fundamental concepts of insect societies for bio-ontologies. bioRxiv 2021.05.18.444717. doi: <https://doi.org/10.1101/2021.05.18.444717>

Hamer MT, Lee JHC, Tse CYL, **Silva T.S.R.**, Guénard B (2024) The *Leptogenys* Roger, 1861 (Formicidae, Ponerinae) of Hong Kong SAR with additional records from Guangdong, China. ZooKeys 1202: 169-211. <https://doi.org/10.3897/zookeys.1202.120214>

Silva T.S.R., Hamer, M.T. & Guénard, B. (2023) A checklist of *Nylanderia* (Hymenoptera: Formicidae: Formicinae) from Hong Kong and Macao SARs, with an illustrated identification key for species in Southeast China and Taiwan. Zootaxa, 5301 (5), 501–539. <https://doi.org/10.11646/zootaxa.5301.5.1>

Feitosa R.M., **Silva T.S.R.**, Camacho G.P., Ulysséa M.A., Ladino N., Oliveira A.M., Albuquerque E.Z., Ribas C.R., Schmidt F.A., Morini M.S.C., Silva R.R., Dáttilo W., Queiroz A.C.M., Baccaro F.B., Santos J.C., Carvalho K.S., Sobrinho T.G., Quinet Y.P., Moraes A.B., Vargas A.B., Torezan-Silingardi H.M., Souza J.L.P., Marques T., Izzo T., Lange D., Santos I.A., Del-Claro K., Nahas L., Paolucci L., Soares S.A., Harada A.Y., Rabello A.M., Costa-Milanez C.B., Diehl-Fleig E., Campos R.B.F., Solar R., Frizzo T., Darocha W., Nogueira A. (2023) From species descriptions to diversity patterns: the validation of taxonomic data as a keystone for ant diversity studies reproducibility and accuracy. Royal Society Open Science, 10: 221170.

Feitosa R.M., Camacho G.P., **Silva T.S.R.**, Ulysséa M.A., Ladino N., Oliveira A.M., Albuquerque E.Z., Schmidt F.A., Ribas C.R., Nogueira A., Baccaro F.B., Queiroz A.C.M., Dáttilo W., Silva R.R., Santos J.C., Rabello A.M., Morini M.S.C., Quinet Y.P., Del-Claro K., Harada A.Y., Carvalho K.S., Sobrinho T.G., Moraes A.B., Vargas A.B., Torezan-Silingardi H.M., Souza J.L.P., Marques T., Izzo T., Lange D., Santos I.A., Nahas L., Paolucci L., Soares S.A., Costa-Milanez C.B., Diehl-Fleig E., Campos R.B.F., Solar R., Frizzo T., Darocha W. (2022) Ants of Brazil: an overview based on 50 years of diversity studies. Systematics and Biodiversity, 20:1. doi: <https://doi.org/10.1080/14772000.2022.2089268>

Silva T.S.R., Chaul J.C.M., Feitosa R.M. (2022). Lectotype designation and redescription of four commonly collected Neotropical species of *Strumigenys* (Hymenoptera: Formicidae). European Journal of Taxonomy, 798(1), 103–126. doi: <https://doi.org/10.5852/ejt.2022.798.1673>

Silva, R.R., Martello, F., Feitosa, R.M., Silva O.G.M., Prado L.P. (...), **Silva T.S.R.** (...), Ribeiro M.C. (2021) ATLANTIC ANTS: a data set of ants in Atlantic Forests of South America. Ecology, v. 102, p. e03580. doi: <https://doi.org/10.1002/ecy.3580>

Silva T.S.R., Casadei-Ferreira A. (2020) A species-level association in *Pheidole* Westwood (Hymenoptera: Formicidae) ants with a parasitoid wasp of the genus *Orasema* Cameron (Hymenoptera: Eucharitidae) in Brazil. Revista Brasileira de Entomologia, 64: e20200005.

Divieso R., **Silva T.S.R.**, Pie M.R. (2020) Morphological evolution in the ant reproductive caste. Biological Journal of the Linnean Society, 131(3): 465–475. doi: <https://doi.org/10.1093/biolinnean/blaa138>

- Silva T.S.R.**, Silva-Freitas J.M., Schoeninger K. (2019) A synopsis of the Brazilian Eucharitidae (Hymenoptera: Chalcidoidea) fauna: an annotated checklist of the family in the country, with a revised key for the New World genera. *Zootaxa*, 4564: 347.
- Silva T.S.R.**, Feitosa R.M. 2019 (2019) Using controlled vocabularies in anatomical terminology: A case study with *Strumigenys* (Hymenoptera: Formicidae). *Arthropod Structure and Development*, 52: 100877.
- Prado L.P., Feitosa, R.M., Triana S.P., Gutiérrez J.A.M., Rousseau G.X., Silva R.A., Siqueira G.M., Santos C.L.C., Silva F.V., **Silva T.S.R.**, Casadei-Ferreira A., Silva R.R., Andrade-Silva J. (2019) An overview of the ant fauna (Hymenoptera: Formicidae) of the state of Maranhão, Brazil. *Papéis Avulsos de Zoologia*, 59: e20195938.
- Schoeninger K., **Silva T.S.R.**, Kawada R., Torrén J. (2018) Description of the female of *Colocharis hungi* Torrén (Hymenoptera, Eucharitidae) and identification key for the species of *Colocharis*. *Zootaxa*, 4446: 265.
- Lattke J. E., **Silva T.S.R.**, Delsinne T. (2018) Taxonomy and Natural History of *Strumigenys thaxteri* Wheeler and *Strumigenys reticeps* (Kempf) (Hymenoptera: Formicidae). *Zootaxa*, 4438: 137.
- Silva T.S.R.**, Feitosa R.M. (2018) On titles and royalty: a terminological discussion over castes in myrmecology. *Insectes Sociaux*, 66: 25-35.
- Silva T.S.R.**, Feitosa R.M. (2017) Hunting for Wasps In-between: the Use of the Winkler Extractor to Sample Leaf Litter Hymenoptera. *Neotropical Entomology*, 47: 1-8.
- Silva T.S.R.** (2017) Species descriptions and digital environments: alternatives for accessibility of morphological data. *Revista Brasileira de Entomologia*, 61: 277-281.
- Prado L.P., Vicente, R.E., **Silva T.S.R.**, Souza J.L P. (2016) *Strumigenys fairchildi* Brown, 1961 (Formicidae, Myrmicinae): first record of this rarely collected ant from Brazil. *Check List*, 12: 1922.
- Azevedo C.O., Dal Molin A., Dias A. M.P.M., Macedo A.C.C., Rodriguez-Velez B., Dias B.Z.K., Waichert C., Aquino D., Smith D., Shimbori E.M., Gibson G., Noll F.B., Onody H.C., Carpenter J.M., Lattke J.E., Ramos K.S., Williams K., Masner L., Kimsey L., Tavares M.T., Olmi M., Buffington M.L., Ohl M., Sharkey M., Johnson N.F., **Silva T.S.R.** et al. (2015) Checklist of the genera of Hymenoptera (Insecta) from Espírito Santo, Brazil. *Boletim do Museu de Biologia Mello Leitao*, 37: 313-343.
- Silva T.S.R.**, Brandão C.R.F. (2014) Further Ergatoid Gyne Records in the Ant Tribe Dacetini (Formicidae: Myrmicinae). *Neotropical Entomology*, 43(2): 161-171.

CONFERENCE PRESENTATIONS

PhenoBees: A semantic workflow and knowledge base for bee phenotypes. EcoDL 2025. Poster presentation. Tampere, Finland, September 23, 2025.

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PhenoBees: a knowledge base for bee phenotypes. XIV Bee Meeting: Bee Science for the Next Generation. Ribeirão Preto, Brazil, November 20, 2025.

INVITED PRESENTATIONS & WORKSHOPS

“Introduction to the Use of Ontologies and Other Semantic Tools in the Study of Biodiversity.” for the Programa de Pós-Graduação em Entomologia, Ribeirão Preto, Brazil, November 19, 2025.

“e-Biodiversidad: Infraestructuras web para manejo de información biológica.” for Grupo de Estudio de Hormigas Neotropicales, Online, Available at https://youtu.be/LGZs2UYMC_I

“Origem e Evolução de Hexapoda com ênfase em Insecta” for the IX Entomology Course UFPR, Universidade Federal do Paraná, Curitiba, Brazil, February 2, 2020

TEACHING EXPERIENCE

Universidade Federal do Rio de Janeiro, Brasil

Instructor, Special Topics IV – General Entomology (MNE 729), July 2022

Universidade Federal do Paraná, Brasil

Instructor, Natural History (ZOOL7010), September 2019

PEER REVIEW

Boletim do Museu Paraense Emílio Goeldi	- Ad Hoc
Checklist	- Ad Hoc
Insect Systematics and Diversity	- Ad Hoc
Insectes Sociaux	- Ad Hoc
Insects	- Ad Hoc
Journal of Hymenoptera Research	- Ad Hoc
Journal of Natural History	- Ad Hoc
Papéis Avulsos de Zoologia	- Ad Hoc
PLOS One	- Ad Hoc
Revista Brasileira de Entomologia	- Ad Hoc
Royal Society Open Science	- Ad Hoc

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Sociobiology - Ad Hoc
Zootaxa - Ad Hoc

EVALUATION COMMITTEE

Instituto Nacional de Pesquisas da Amazônia, Brasil

Evaluator, “Revisão taxonômica das espécies de *Simopelta* Mann, 1922 (Hymenoptera: Formicidae: Ponerinae no Brasil”, Master’s project plan (Entomology), December 2020

Universidade Federal Lavras, Brasil

Evaluator, “*Camponotus (Dendromyrmex)* – Uma abordagem para conhecer, entender e reverenciar”, Master’s Qualifying exam (Entomology), November 2019

Universidade Federal do Pará, Brasil

Evaluator, “Revisão taxonômica do gênero *Rogeria* Emery, 1894 (Hymenoptera: Formicidae) com a descrição de um novo gênero relacionado”, Ph.D. thesis (Zoology), December 2022

Universidade Federal do Paraná, Brasil

Evaluator, “Tiny Predators, Giant Mandibles: Unraveling the Taxonomy and Behaviour of the Trap-Jaw Genus *Acanthognathus* (Formicidae, Myrmicinae)”, Master’s dissertation, February 2026

Evaluator, “Taxonomia e ocorrência do gênero *Nomamyrmex* Borgmeier, 1936 (Hymenoptera: Formicidae: Dorylinae) no Brasil”, Final Year Project for Bachelor’s degree (Biological Sciences), October 2020

Evaluator, “Notas epistemológicas e morfológicas acerca de formigas hipogéicas.”, Ph.D. Qualifying exam (Entomology), August 2019

Substitute, “Revisão Taxonômica do gênero *Prionopelta* Mayr 1866 para a Região Neotropical”, Master’s, February 2019