Aline Cristina Martins

Curriculum Vitae & Publications (Mai 2023)

I am an Entomologist, interested in the evolution of bees, especially with flowering plants, pollination ecology and bee conservation

**employment**

Current Position:

* Postdoctoral researcher, Department of Ecology and Evolutionary Biology, University of Michigan, Ann Arbor

Previous academic positions

* Post-doctoral Fellow (CNPq), Department of Ecology, University of Brasilia (Mar 2019 – Fev 2020), supervisor: Prof. Mercedes Bustamante (1 month internship at University of Würzburg, host: Alexander Keller)
* Post-doctoral Fellow (CAPES), Department of Botany, Federal University of Parana (Aug 2015 – 12 2016) supervisor: Prof. Eric Smidt
* Assistant professor, University of Brasilia, *campus* Planaltina (Aug 2015 – Jul 2016)
* Technician Fellow (CNPq 384863/2009-4), Department of Ecology, National Institute of Amazon Research (Nov 2009 – Fev 2010). Project: “Amazon scenarios: land use, biodiversity and climate”
* Technician Fellow (CNPq 384924/2006-9), Entomological collection, Federal University of Parana (Aug 2006 – 09 2007). Project: “Taxonline: Network of biological collections from Parana state”

Environmental Impact assessments

* Environmental consultant. Project: Beefauna of Cascavel Airport (Parana, Brazil), Zago Engineering and Environment (Mai 2015 – Dec 2015)
* Environmental consultant. Project: Management plan of State Park Serra da Moeda (Minas Gerais, Brazil), Detzel Consulting (Nov 2016 – Fev 2017)

Scientific Training during undergraduate studies

* Scientific trainee (CNPq 102632/2005-7), Department of Zoology, Federal University of Parana (Mar 2006 – 07 2006). Project: “Taxonline: Network of biological collections from Parana state”
* Scientific trainee (CNPq 182060/2006-3), Department of Zoology, Federal University of Parana (Aug 2004 – 07 2005). Project: “Bee fauna from grassland remnants in Sao Jose dos Pinhais” (Parana, Brazil) (project leader)
* Teachers’ assistant (Course: Structural Botany), Department of Botany, Federal University of Parana (Aug 2002 – 04 2003)

**Education**

1. PhD in Biological Sciences (Entomology), Federal University of Parana (2010 – 2014, 1y internship at University of Munich). Title: Evolution of floral oil collecting bees *Centris* and *Epicharis*: inferences from a dated phylogeny of the subfamily Apinae and oil producing plants from Neotropical Region. Advisors: Prof. Gabriel A. R. Melo and Prof. Susanne S. Renner. Fellowships from CNPq *and* CAPES/DAAD
2. MSc. in Entomology, University of São Paulo (2007-2009). Title: Oil-collecting bees and interactions with oil-producing Plantaginaceae species. Advisor: Prof. Isabel Alves dos Santos. Fellowship from CNPq.
3. Undergraduate studies in Biology, Federal University of Parana (2002-2006). Title: Potential distribution of *Bombus bellicosus* (Hymenoptera, Apidae) and inferences of conservation status of the species in Brazil. Advisor: Prof. Gabriel A. R. Melo

**publication summary**

**657 citations, h-index: 15, i10-index 19 [Google Scholar]**

**392 citations, h-index: 13 [ResearchID]**

26 peer-reviewed publications in journals and books. Selected and full list of publications at end of CV; updated statistics please visit: [Orcid](http://orcid.org/0000-0003-2305-2877): 0000-0003-2305-2877 | [Web of Science ResearchID/Publons](https://publons.com/researcher/1228101/aline-c-martins/): B-1295-2014| [Plataforma Lattes](http://lattes.cnpq.br/3827305811455347)

**FUNDING AWARDED**

As principal investigator

* Universal Grant CNPq (R$ 50,000) for doctoral research project (2011)
* Travel Grant from Distributed European School of Taxonomy to attend to the Phylogenetic Systematics and Molecular Dating (2013)
* Endowment Student Award, International Society of Hymenopterists ($2500) for doctoral research project (2012)

As co-investigator

* DFG (Deutsche Forschungsgemeinschaft) (2022); main applicant: Belinda Kahnt. A comparative population genomic approach to address the effects of habitat loss and fragmentation on South American Centris oil bees”
* Annual call, Serrapilheira Institute; main applicant Fernanda A. Carvalho (R$ 100,000). Plant pollinator interaction in the Cerrado hotspot: filling knowledge gaps with pollen DNA-metabarcoding (2019)
* Foundation for Research Support (FAP-DF); main applicant Antonio J. C. Aguiar (R$ 31,000). Bee diversity monitoring in Federal District: taxonomy, natural history and specialized interactions (2015)

**PEER-REVIEWs completed**

Peer-review summary:

**32 verified reviews [Publons]**

***Insect Systematics and Diversity****; Basic and applied Ecology; Brazilian Journal of Botany; Journal of Applied Ecology; Plos One; Sociobiology; Austral Ecology; Plant Biology;* ***Molecular Phylogenetics and Evolution****; Zootaxa;* ***Journal of Insect Conservation****; Annales Zoologici Fennici; Arthropod-plant interactions; Flora; Papeis Avulsos de Zoologia; Pakistan Journal of Zoology; Check List; Revista de Biologia Tropical; Naturwissenschaften;* ***Biological Journal of the Linnean Society****;* ***Proceedings of the Royal Society B: Biological Sciences****.*

**TEACHING experience**

* Bee biology, undergraduate studies in Biology University of Brasilia, (Course leader with Antonio J. C. Aguiar, 2019-2020).
* III Bee systematics and identification course, Recife, Brazil (Invited Speaker; 2019)
* Edition and analysis of DNA sequences, Brazilian Congress of Zoology (Course leader; 2 editions: 2018 and 2020).
* Molecular dating, Botany Department, Federal University of Parana (Course Leader; 2 editions in 2016)
* Edition and analysis of DNA sequences, Botany Department, Federal University of Parana (Course Leader, 2016)
* Diversity of life, undergraduate studies in Education for countryside population University of Brasilia (Course Leader with Cristiano Gatti, 2015-2016)

**presentations**

* The Neotropics: understanding biogeography and evolution of bees and plants, Environmental Biology Seminar Series, McGill University, Montreal, Canada (online) (2021)
* Paleocene savannas: hypothesis on an earlier origin of Cerrado. V Semana do Cerrado, Brasilia, Brazil (online) (2020, In Portuguese)
* Phylogenomics illuminates the evolution of cleptoparasitism in bees of Ericrocidine line, XX Brazilian Congress of Zoology, Aguas de Lindoia, Brazil (2020, In portuguese)
* Climatic changes and insects, Thematic week "Climatic Changes: how much time do we have left?" University of Brasilia, Brazil (2019, In Portuguese)
* The oil price: origin and evolution of oil-collecting bees cleptoparasites. XII Bee Meeting, Uberlandia, Brazil (2018)
* From tree tops to the ground: reversals to terrestrial habit in *Galeandra* orchids (Epidendroideae: Catasetinae), V Monocots, Natal, Brazil (2018)
* Losses and gains of floral oil syndrome on neotropical plants, Botany Department, Federal University of Parana, Brazil (2015, In Portuguese)
* Evolution of floral oil-collecting habits in the New World oil-bees *Centris* and *Epicharis* (Apinae), Taxonomy and Biogeography of Bees Symposium. XI Bee Meeting, Ribeirão Preto, Brazil (2015, In portuguese)
* The South-American bumblebee *Bombus bellicosus*: local extinction and potential effects of climate change on its distribution range. IX Mesoamerican congress on native bees, San Cristobal de Las Casas, Mexico (2015, In Spanish)
* Evolution of Neotropical oil flowers and their bee pollinators. Technical University of Munich, Germany (2014)
* The evolution of oil collecting in an ancient clade of Neotropical bees, Institute of Botany, University of Munich, Germany (2013)
* Evolution of the Neotropical Centridini bees and their oil-producing host plants. Summer School on Plant Evolution and Systematics, University of Regensburg (2013)
* The pollination and the role of insects on angiosperm reproduction, University of Sao Paulo, Ribeirão Preto, Brazil (2009, In Portuguese)
* Araucarian forests of Southern Brazil, University São Marcos, São Paulo, Brazil (2008, In Portuguese)
* Species distribution modelling: applying information from biological collections, Federal University of Parana, Brazil (2007, In Portuguese)

**supervisory roles**

As main supervisor:

* Diego Correa Silva.Title: Beekeeping in the Urucuia Valley: interactions between beekeepers and environment. Undergraduate studies in Education for countryside population, University of Brasilia (2016-2017)

As co-supervisor:

* Mark D. Scherz. Title: Phylogeny and Evolution of floral oils in Angelonieae (Plantaginaceae). Master’s program in Ecology, Evolution and Systematics, University of Munich (Main supervisor: Susanne Renner; 2014)
* Tais A. M. Ribeiro. Title: Molecular phylogeny, biogeography and distribution modelling of *Lanthanomelissa* bees – an endemic genus from South American grasslands. Master’s in Zoology, University of Brasilia (Main supervisor: Antonio J. C. Aguiar, 2018).

**Post graduate and career development COURSES**

* Bees on the IUCN red list, ECOSUR, San Cristobal de Las Casas, Mexico (2015)
* Writing in the Sciences, Stanford University, Stanford, USA (2013)
* Phylogenetic Systematics and Molecular Dating, University of Copenhagen, Denmark (2013)
* Introduction to molecular ecology and conservation genetics, Neotropical Institute, Curitiba, Brazil (2011)
* II Workshop on Phylogenetic systematics, Sao Paulo State University, Sao José do Rio Preto, Brazil (2010)
* Systematics and identification of neotropical bees, Federal University of Parana, Curitiba, Brazil (2009)
* Biodiversity modelling: species geographic distribution. Ecological research institute, Nazaré Paulista, Brazil (2007)
* Summer course in Entomology, University of São Paulo, Ribeirão Preto, Brazil (2006)
* Foundations of cartography and GPS use. Federal University of Parana, UFPR, Curitiba, Brazil (2006)
* Diversity and conservation of Brazilian avifauna. Federal University of Parana, Curitiba, Brazil (2005)

**EXPERT ADVISORY ROLES**

Evaluation of theses:

* Tássia R. F. Chagas (Doctoral thesis): “Floral resources in agroecosystems: a path to reconcile bee diversity and food production. Universidade Federal de Lavras (2023)
* Tamires de Oliveira Andrade (MsC thesis). Title: “An integrative approach to delimit species in the *Eulaema cingulata* and *Eulaema pseudocingulata* pair (Hymenoptera: Apidae) using morphometric and molecular evidence”. Graduate program in Systematics, Animal Taxonomy and biodiversity. Museum of Zoology, University of Sao Paulo. (2021)
* Suiane dos Santos Oleques (Doctoral thesis). Title: Reproductive biology and pollination systems in Iridaceae from Tigrideae tribe. Graduate program in Botany, Federal University of Rio Grande do Sul, Brazil (2021)
* David Barros Muniz (Doctoral thesis). Title: Phylogeny of neotropical groups of *Trypoxylon* and review of Brazilian species of *Trypargilum* (Hymenoptera, Crabronidae). Graduate program in Entomology, Federal University of Parana (2020)
* Marco Tulio Rodrigues Furtado (Doctoral Thesis). Title: Pollination biology of *Palicourea* Aubl. and *Psychotria* L. (Rubiaceae): variations and functionality of reciprocal hercogamy and pollinators. Graduate program in Botany, University of Brasilia (2019)
* Joicelene Regina Lima da Paz (Doctoral Thesis). Title: Reproductive strategies in Connaraceae: morphological, functional and phenological implications in polymorphic systems. Graduate program in Botany, University of Brasilia (2019)
* Gabriela Procopio Camacho (Doctoral Thesis). Phylogenomic perceptions on the evolution of ectaheteromorfic ants and congruence in phylogenetic big data. Graduate program in Entomology, Federal University of Parana (2017).

Red lists assessments:

* Bumblebee specialist group (South America) (Member). International Union of Conservation of Nature (IUCN). (2011 – current)
* Extinction risk of bee species (consultant). Evaluation system on Conservation Status of Brazilian Biodiversity (SALVE – ICMBio) (2021)

**RESEARCH EXPERIENCE AND TECHNICAL SKILLS**

* Extensive experience in laboratory techniques, including extracting, amplifying, and sequencing DNA using Sanger techniques.
* Experience in environmental DNA (metabarcoding) using high-throughput next generation sequencing (NGS)
* Extensive experience in specimen collection, identification and databasing (specially insects (bees) and plants)
* Fieldwork expeditions (for insect/plant collecting mainly) in **Brazil**: Serra do Mar Atlantic Forest (4 days, 2005); Atlantic forest and Southern Grasslands (one week, 2006); Pampas (one week, 2007); Southern Grasslands (two weeks, 2007-2008); Chaco in Mato Grosso do Sul (one week, 2008); Cerrado rocky fields in Minas Gerais (tree weeks in 2008); Amazon in Para (one week, 2012); Cerrado of Chapada dos Veadeiros (Goias) (several expeditions since 2010) Amazon in Amapa (one week, 2016); regular fieldwork in Parana (since 2004) and Brasilia and Goias (since 2010). **Argentina**: Monte and Pampa (one week, 2016).
* Extensive experience in phylogenetic methods and phylogenetic comparative methods, including biogeography and macroevolution, using the main phylogenetic programs (MrBayes, RaxML, Beast, Mesquite, FigTree TNT, Winclada).
* Extensive knowledge in several programs (R, Python, Java, C++ languages) for example: R packages for ecology and evolution, ArcGIS, Adobe Photoshop and Illustrator, CorelDraw, Microsoft Office package (including Outlook)
* Extensive knowledge in editing and analyzing DNA sequences, including contig assembly, aligments, primer design, submission to GenBank, in different programs: Geneious, Bioedit, SequenceMatrix, Ugene.
* Experience in entomological and botanical collection curation, including database in Access, DarwinCore and Brahms, specimens mounting and conservation.

**event organization**

* Co-organizer, III Bee systematics and identification course, Recife, Brazil (Oct 2019)
* Second main organizer, I Forum of Systematics and Biogeography, University of Sao Paulo, Ribeirao Preto, Brazil (Jan 2009; with Rafaela Falaschi)
* Main-organizer, VII Summer Course in Entomology, University of Sao Paulo, Ribeirao Preto, Brazil (Jan 2009)

**media coverage and interviews**

* Where are the bees? Problemas Brasileiros (Interview, in Portuguese) (2014)
* New victim of global warming? [Ciencia Hoje](http://cienciahoje.uol.com.br/noticias/2009/11/mais-uma-vitima-do-aquecimento-global) (Interview; in Portuguese) (2009)

**personal details**

* Born in Londrina (Parana), Brazil, December 8, 1983
* Lived in Londrina, Curitiba, São Paulo, Ribeirão Preto, Manaus, Brasília, Munich and Ann Arbor
* Married, two children (Francisco, 6y and Amelie, 2y6m)
* Languages spoken: Portuguese (mother language), English, German (fluent); Spanish, French (basic level)

**personal interests**

In my free time, I love to hike, taking photographs, reading good literature, and having a good time with my family and friends. I like to cook and bake and cultivate my urban forest. Since I got pregnant the first time, I invest a lot in reading and learning about childhood and parent care in books and social media. Self-taught interior designer and architecture photographer.

**Contact details**

Vasconcelos Lab, Department of Ecology and Evolutionary Biology, University of Michigan

| e-mail: [martinsalinec@gmail.com](mailto:martinsalinec@gmail.com) | [My website](https://martinsaline.weebly.com/)

Social media: Twitter: [@alinecmar](https://twitter.com/alinecmar) | Research Gate: [Aline C. Martins](https://www.researchgate.net/profile/Aline_Martins2)

**Referees**

* Prof. Gabriel A. R. Melo (Federal University of Parana), [garmelo@ufpr.br](mailto:garmelo@ufpr.br)
* Prof. Mercedes Bustamante (University of Brasilia), [mercedesmcb@gmail.com](mailto:mercedesmcb@gmail.com)

**publications**

Bibliometric information:

[Source: Google Scholar]

* Total number of peer-reviewed publications: 26
* Total number of citations: 657
* H-index: 15
* i10-index: 19

Ten selected research papers

1. Aguiar, A. J. C., Melo, G. A. R., Vasconcelos, T. N. C., Gonçalves, R. B., Giugliano, L., & **Martins, A. C.** (2020). Biogeography and early diversification of Tapinotaspidini oil-bees support presence of Paleocene savannas in South America. *Molecular Phylogenetics and Evolution* 143: 106692.DOI: <http://10.1016/j.ympev.2019.106692>
2. **Martins, A. C**., Luz, D. R., Melo, G. A. R. 2018. Palaeocene origin of the Neotropical lineage of cleptoparasitic bees Ericrocidini-Rhathymini (Hymenoptera, Apidae). *Systematic Entomology* 43: 510-521. DOI: <http://10.1111/syen.12286>
3. **Martins, A. C**., Bochorny, T., Pérez-Escobar, O. A., Chomicki, G., Monteiro, S. H. N., & Smidt, E. D. C. 2018. From tree tops to the ground: reversals to terrestrial habit in *Galeandra* orchids (Epidendroideae: Catasetinae). *Molecular Phylogenetics and Evolution* 127: 952-960. DOI: <10.1016/j.ympev.2018.06.041>
4. **Martins, A. C**., Melo, Gabriel A. R. 2016. The New World oil-collecting bees *Centris* and *Epicharis* (Hymenoptera, Apidae): molecular phylogeny and biogeographical history. *Zoologica Scripta* 45: 22-33. DOI: <10.1111/zsc.12133>
5. **Martins, A. C**., Melo, G. A. R., Renner, S. S. 2015. Gain and loss of specialization in two oil bee lineages, *Centris* and *Epicharis* (Apidae). *Evolution* 69: 1835-1844. DOI: <10.1111/evo.12689>
6. **Martins, A. C.**, Silva, D. P., De Marco JR., P., Melo, G. A. R. 2015. Species conservation under future climate change: The case of *Bombus bellicosus*, a potentially threatened South American bumblebee species. *Journal of Insect Conservation* 19: 33-43, 2015. DOI: <10.1007/s10841-014-9740-7>
7. **Martins, A. C**., Melo, G. A. R, Renner, S. S. 2014. The corbiculate bees arose from New World oil-collecting bees: Implications for the origin of pollen baskets. *Molecular Phylogenetics and Evolution*, 80: 88-94. DOI: <10.1016/j.ympev.2014.07.003>
8. **Martins, A. C**., Gonçalves, R. B., Melo, G. A. R. 2013. Changes in wild bee fauna of a grassland in Brazil reveal negative effects associated with growing urbanization during the last 40 years. *Zoologia*, 30: 157-176. DOI: <http://dx.doi.org/10.1590/S1984-46702013000200006>
9. **Martins, A. C.**, Aguiar, A. J. C., Alves-dos-Santos, I. 2013. Interaction between oil-collecting bees and seven species of Plantaginaceae. *Flora* 208: 401-411. DOI: <10.1016/j.flora.2013.07.001>
10. **Martins, A. C**., Melo, G. A. R. 2010. Has the bumblebee *Bombus bellicosus* gone extinct in the northern portion of its distribution range in Brazil? *Journal of Insect Conservation* 14: 207 – 210. DOI: <10.1007/s10841-009-9237-y>

**Full publication List**

Papers published in peer-reviewed journals

1. Ramos, K. S., **Martins**, **A. C.** & Melo, G. A. R (2022) Evolution of andrenine bees reveals a long and complex history of faunal interchanges through the Americas during the Mesozoic and Cenozoic. Molecular Phylogenetics and Evolution 172, https://doi.org/10.1016/j.ympev.2022.107484.
2. Sless, T. L., Branstetter, M. G., Gillung, J. P., Krichilsky, E. A., Tobin, K. B., Straka, J., Rozen, J. G., Freitas, F. V., **Martins,** **A.C.**, Bossert, S., Searle, J. B. & Danforth, B. N. (2022) Phylogenetic relationships and the evolution of host preferences in the largest clade of brood parasitic bees (Apidae: Nomadinae). Molecular Phylogenetics and Evolution, Volume 166. https://doi.org/10.1016/j.ympev.2021.107326.
3. Morales, C.L., Montalva, J., Arbetman, M.P., Aizen M, **Martins, A.C**., Silva, D.P. (2022) Does climate change influence the current and future projected distribution of an endangered species? The case of the southernmost bumblebee in the world. J Insect Conserv 26, 257–269. https://doi.org/10.1007/s10841-022-00384-5
4. Ribeiro, T.M.A., **Martins, A. C**., Silva, D. P., Aguiar, A. J. C. (2021) Systematics of the oil bee genus *Lanthanomelissa* (Apidae: Tapinotaspidini) and its implications for the biogeography of South American grasslands. *Journal of Zoological Systematics and Evolutionary Research.* DOI: 10.1111/jzs.12472
5. Aguiar, A. J. C., Melo, G. A. R., Vasconcelos, T. N. C., Gonçalves, R. B., Giugliano, L., & **Martins, A. C.** (2020) Biogeography and early diversification of Tapinotaspidini oil-bees support presence of Paleocene savannas in South America. *Molecular Phylogenetics and Evolution* 143: 106692.DOI: <http://10.1016/j.ympev.2019.106692>
6. Policarová, J., Cardinal, S., **Martins, A. C**., & Straka, J. (2019) The role of floral oils in the evolution of apid bees (Hymenoptera: Apidae). *Biological Journal of the Linnean Society* 128: 486-497. DOI: <https://doi.org/10.1093/biolinnean/blz099>
7. Vasconcelos, T. N., Chartier, M., Prenner, G., **Martins, A. C**., Schönenberger, J., Wringler, A., Lucas, E. (2019) Floral uniformity through evolutionary time in a species rich tree lineage. *New Phytologist* 221: 1597-1608. DOI: <10.1111/nph.15453>
8. **Martins, A. C**., Bochorny, T., Pérez-Escobar, O. A., Chomicki, G., Monteiro, S. H. N., & Smidt, E. D. C. (2018) From tree tops to the ground: reversals to terrestrial habit in *Galeandra* orchids (Epidendroideae: Catasetinae). *Molecular Phylogenetics and Evolution* 127: 952-960. DOI: <10.1016/j.ympev.2018.06.041>
9. Couto, R. S., **Martins, A. C**., Bolson, M., Lopes, R. C., Smidt, E. C., Braga, J.M. A. (2018) Time calibrated tree of *Dioscorea* (Dioscoreaceae) indicates four origins of yams in the Neotropics since Eocene. *Botanical Journal of the Linnean Society* 188:144-160. DOI: <https://doi.org/10.1093/botlinnean/boy052>
10. Smidt, E. C., Toscano de Brito, A., **Martins, A. C**., Royer, C. A., Whitten, M., Chase, M. (2018) Phylogeny, biogeography, and character evolution in *Ornithocephalus* clade (Orchidaceae, Oncidiinae). *Botanical Journal of the Linnean Society* 188: 339-354. DOI: <10.1093/botlinnean/boy067>
11. **Martins, A. C**., Luz, D. R., Melo, G. A. R. (2018) Palaeocene origin of the Neotropical lineage of cleptoparasitic bees Ericrocidini-Rhathymini (Hymenoptera, Apidae). *Systematic Entomology* 43: 510-521. DOI: <http://10.1111/syen.12286>
12. Pérez-Escobar, O.A., Chomicki, G., Condamine, F.L., de Vos, J.M., **Martins, A.C.**, Smidt, E.C., Klitgård, B., Gerlach, G., Heinrichs, J. (2017) Multiple Geographical Origins of Environmental Sex Determination enhanced the diversification of Darwin’s Favourite Orchids. *Scientific Reports* 7: 12878. DOI: <10.1038/s41598-017-12300-y>
13. Rocha-Filho, L.C., **Martins, A. C**., Marchi, P. (2017) Notes on the nest of *Megachile* (*Moureapis*) *apicipennis* Schrottky (Megachilidae) constructed in an abandoned gallery of *Xylocopa frontalis* (Olivier) Apidae. *Sociobiology* 64: 488-491. <10.13102/sociobiology.v64i4.1928>
14. **Martins, A. C**., Melo, Gabriel A. R. 2016. The New World oil-collecting bees *Centris* and *Epicharis* (Hymenoptera, Apidae): molecular phylogeny and biogeographical history. *Zoologica Scripta* 45: 22-33. DOI: <10.1111/zsc.12133>
15. **Martins, A. C**., Melo, G. A. R., Renner, S. S. 2015. Gain and loss of specialization in two oil bee lineages, *Centris* and *Epicharis* (Apidae). *Evolution* 69: 1835-1844. DOI: <10.1111/evo.12689>.
16. **Martins, A. C.**, Silva, D. P., De Marco JR., P., Melo, G. A. R. 2015. Species conservation under future climate change: The case of *Bombus bellicosus*, a potentially threatened South American bumblebee species. *Journal of Insect Conservation* 19: 33-43, 2015. DOI: <10.1007/s10841-014-9740-7>
17. **Martins, A. C**., Scherz, M. D., Renner, S. S. 2014. Several origins of floral oil in the Angelonieae, a southern hemisphere disjunct clade of Plantaginaceae. *American Journal of Botany* 101: 2113 – 2120. DOI: <doi:10.3732/ajb.1400470>
18. **Martins, A. C**., Melo, G. A. R, Renner, S. S. 2014. The corbiculate bees arose from New World oil-collecting bees: Implications for the origin of pollen baskets. *Molecular Phylogenetics and Evolution*, 80: 88-94. DOI: <10.1016/j.ympev.2014.07.003>
19. **Martins, A. C**. 2013. Historical approaches on the study of plant-pollinator interactions.. *Oecologia Australis* 17: 229 – 242. DOI: <10.4257/oeco.2013.1702.05> (In Portuguese)
20. **Martins, A. C**., Gonçalves, R. B., Melo, G. A. R. 2013. Changes in wild bee fauna of a grassland in Brazil reveal negative effects associated with growing urbanization during the last 40 years. *Zoologia*, 30: 157-176. DOI: <http://dx.doi.org/10.1590/S1984-46702013000200006>
21. **Martins, A. C**., Alves-dos-Santos, I. 2013. Floral oil-producing Plantaginaceae species: geographical distribution, pollinator rewards, and interactions with oil-collecting bees. *Biota Neotropica* 13: 1 – 14. URL: [Biota Neotropica online](http://www.biotaneotropica.org.br/v13n4/en/abstract?article+bn01313042013)
22. **Martins, A. C.**, Aguiar, A. J. C., Alves-dos-Santos, I. 2013. Interaction between oil-collecting bees and seven species of Plantaginaceae. *Flora* 208: 401-411. DOI: <10.1016/j.flora.2013.07.001>
23. **Martins, A. C**., Melo, G. A. R. 2010. Has the bumblebee *Bombus bellicosus* gone extinct in the northern portion of its distribution range in Brazil? *Journal of Insect Conservation* 14: 207 – 210. DOI: <10.1007/s10841-009-9237-y>

Scientific book chapters (Peer-reviewed)

1. Feitosa, R. M. Morini, M. S. C., **Martins, A. C**., Ribeiro, T. M. A., Noll, F. B., Santos, E. F., Cancello, E. M., Constantini, J. P. (2021). Social Insects of the Atlantic Forest In: Marques, M. & Grelle, C. E. (eds). Atlantic Forest: biodiversity, threats and solutions of the megadiverse forest. Springer. DOI: [10.1007/978-3-030-55322-7\_8](http/doi.%20org/10.1007/978-3-030-55322-7_8)
2. **Martins, A. C**., Molin, A. D., Santos, L. M. 2015. Danuncia Urban: a life devoted to Entomology. *In*: Aguiar, A. J. C., Gonçalves, R. B. & Ramos, K. S (org) Ensaios sobre as abelhas da região Neotropical: Homenagem aos 80 anos Danuncia Urban. Editora UFPR, Curitiba. p. 11-47. URL: [Research Gate](https://www.researchgate.net/publication/282849113_Danuncia_Urban_a_life_devoted_to_Entomology?_sg=eQrkMrDn8WhbA_10WfMlsfK3kULPUVpie9mFMRIJUJ_BB8AxLO4TPSbmoHov368uiDRki2UsRnDYGSuobzZm4J0swmdrqhb6MARrsG5g.IQhuyS3CnT5pTo4S0P2n3BaxgMlLzy983hIyO1Y3pKVoPVKzKHTmec_6VjwnhAnLlGHEpPs5WWP1_7zoF-0P7A)
3. Rech, A. R., **Martins, A. C**., Leite, F. B. 2014. Interactions between plant and pollinators under a phylogentic perspective. *In*: Rech, A. R., Agostini, K. Olivieira, P. E. & Machado, I. C. Biologia da Polinização. Editora Projeto Cultural/FunBio, Rio de Janeiro-RJ, p. 399-415. (in Portuguese). URL: [Research Gate](https://www.researchgate.net/publication/274566770_Interacoes_entre_plantas_e_polinizadores_sob_uma_perspectiva_filogenetica)

Papers in review

THESIS (Bachelor, Masters, Doctoral)

1. Martins, A. C. 2014. Evolution of floral oil collecting bees *Centris* and *Epicharis*: inferences from a dated phylogeny of the subfamily Apinae and oil producing plants from Neotropical Region. Doctoral Thesis. Federal University of Parana, Curitiba, Brazil.
2. Martins, A. C. 2011. Historical approaches on the study of bee-plant interactions: fossil records and phylogenetic hypothesis. Qualification exam (Doctoral degree). Federal University of Parana, Curitiba, Brazil. (In Portuguese)
3. Martins, A. C. 2009. Oil-collecting bees and interactions with oil-producing Plantaginaceae species. Masters Dissertation. University of Sao Paulo, Ribeirão Preto, Brazil
4. Martins, A. C. 2006. Potential distribution of *Bombus bellicosus* (Hymenoptera, Apidae) and inferences of conservation status of the species in Brazil. Bachelors thesis. Federal University of Parana, Curitiba, Brazil. (In Portuguese)

Abstracts or complete works in scientific meetings abstract books

1. **Martins, A. C**., Bochorny, T., Pérez-Escobar, O. A., Chomicki, G., Nascimento, S.H., Smidt, E.C. 2017. From tree tops to the ground: the origin of terrestrial habit in *Galeandra* Lindl. orchids (Epidendroideae: Catasetinae). 22° World Orchid Congress, Guayaquil, Ecuador.
2. Royer, C. A., **Martins, A. C**., Toscano de Brito, A., Smidt, E.C. 2016. Molecular dating and biogeography of *Ornithocephalus* clade (Orchidaceae, Oncidiinae). 67° National Congress of Botany, Vitoria, Brazil.
3. Malinov, I. K., **Martins, A. C**., Aguiar A. J. C. 2015. Pollination biology of *Cipura* species of cerrado by oil-collecting bees. *In*: XI Bee meeting, Ribeirão Preto, Brazil.
4. Ribeiro, T., **Martins, A. C**., Aguiar, A. J. C. 2015. Molecular phylogeny of the lineage *Arhysoceble* and *Lanthanomelissa* (Apidae, Tapinotaspidini) and the evolution of South American open vegetation habitats. *In*: XI Bee meeting, Ribeirão Preto, Brazil.
5. **Martins, A. C**., Melo, G. A. R. *Molecular* phylogeny of the oil-collecting bee tribe Centridini (Hymenoptera, Apidae). 2011. In: 30th Annual Meeting of the Willi Hennig Society, São José do Rio Preto, Brazil.
6. **Martins, A. C**., Aguiar, A. J. C., Alves-dos-Santos, I. 2009. *Basistemon silvaticus* (Plantaginaceae) and the relationships with oil-collecting bees in Brazilian Chaco. Conference Association of Tropical Biology and Conservation (ATBC), Marburg, Germany.
7. **Martins, A. C.**, Aguiar, A. J. C., Alves-dos-Santos, I. 2009. Conservation of the oil-producing *Angelonia* (Plantaginaceae) species and their pollinators. Conference Association of Tropical Biology and Conservation (ATBC), Marburg, Germany.
8. **Martins, A. C**., Melo, G. A. R, Barreto, F.C.C. 2008. Extinction of *Bombus bellicosus* on the northern part of its distribution range. In: VIII Bee meeting, Ribeirão Preto, São Paulo.
9. **Martins, A. C**., Aguiar, A. J. C., Alves-dos-Santos, I. 2008. Interactions between oil collecting bees and *Angelonia* flowers (Plantaginaceae). *In*: VIII Bee meeting, Ribeirão Preto, Brazil.
10. Melo, G. A. R., **Martins, A. C**., Gonçalves, R. B. 2006. Long term changes in bees assemblage: current knowledge and perspectives. *In*: VII Bee meeting, Ribeirão Preto, Brazil. (Complete article, in Portuguese)
11. **Martins, A. C**., Sigrist, M.S., Urben-Filho, A. 2006. The avifauna from an urban forest fragment in Curitiba, Parana. In: XXVI Brazilian Congress of Zoology, Londrina, Brazil. (in Portuguese)
12. **Martins, A. C**. 2006. Potential distribution of *Bombus bellicosus* (Hymenoptera, Apidae) and inferences on conservation status in Brazil. In: XIV EVINCI – Scientific Initiation Meeting, Federal University of Parana, Curitiba, Brazil. (in Portuguese)
13. **Martins, A. C**., Gonçalves, R. B., Melo, G. A. R. 2006. Monitoring of wild bee fauna in an area of natural grasslands in Parana: Sao Jose dos Pinhais 40 years later. In: XXVI Brazilian Congress of Zoology, Londrina, Brazil. (in Portuguese)
14. **Martins, A. C.**, Gonçalves, R. B, Melo, G. A. R. 2006. Changes in flora of a natural grasslands and implications to bee species conservation. In: 57º Brazilian Congress of Botany, Gramado, Brazil. (in Portuguese)
15. **Martins, A. C**., Fernandes, F. R., Tschá, M. K. 2005. Ant fauna from a small forest fragment in Curitiba (Parana). In: I Simpósio Brazileiro de Insetos Sociais, Belo Horizonte, Brazil (in Portuguese)
16. **Martins, A. C**. 2005. Bee fauna (Hymenoptera, Apidae) from a natural grassland in São José dos Pinhais (Parana). In: XIII EVINCI - Scientific Initiation Meeting, Federal University of Parana, Curitiba, Brazil (in Portuguese)

Technical or didactic manuals

1. **Martins, A. C.** 2018. Analysis and editing DNA sequences for phylogenetic and phylogeographic studies: tutorial and exercises. (In Portuguese). DOI: <10.13140/RG.2.2.13665.40803>

**Popular science, magazine articles, webpages**

* **Martins, A. C**. 2012. Aline Cristina Martins, winner of the inaugural International Society of Hymenopterists Endowment Student Award. [Hamuli](http://www.hymenopterists.org/newsletters/hamuli/HamuliVol3Issue2.pdf): the newsletter of the international society of Hymenopterists.
* **Martins, A. C.**, Santos, L.M. 2015. Danuncia Urban (1933- ), bióloga. Pioneiras da Ciencia, CNPq webpage. (in Portuguese).