

Aline C. Martins (she/her/hers)

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Department of Ecology and Evolutionary Biology, 1105 North University Ave, Biological Sciences Building,
University of Michigan, Ann Arbor, USA

EDUCATION

- PhD in Biological Sciences (Entomology) 2010-2014
UFPR - Federal University of Parana and University of Munich, Germany
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.
- Master in Entomology 2007-2009
USP - University of São Paulo
Title: Oil-collecting bees and interactions with oil-producing Plantaginaceae species.
Advisor: Prof. Isabel Alves dos Santos.
- Bachelor in Biological Sciences 2002-2006
UFPR - Federal University of Parana
Title: Potential distribution of *Bombus bellicosus* (Hymenoptera, Apidae) and inferences of conservation status of the species in Brazil.
Advisor: Prof. Gabriel A. R. Melo

APPOINTMENTS

- Postdoctoral researcher 2023-present
Department of Ecology and Evolutionary Biology
University of Michigan, Ann Arbor, US
Supervisor: Prof. Thais Vasconcelos
- Postdoctoral Fellow 2019-2020
Department of Ecology, University of Brasilia, Brazil
Supervisor: Prof. Mercedes Bustamante
- Postdoctoral Fellow 2015-2016
Department of Botany
UFPR - Federal University of Parana, Brazil
Supervisor: Prof. Eric Smidt
- Assistant professor 2015-2016
University of Brasilia, *campus* Planaltina
- Environmental consultant 2016-2017
Detzel Consulting
- Environmental consultant 2015
Zago Engineering and Environment

Researcher	2009-2010
Department of Ecology, INPA National Institute of Amazon Research, Brazil	
Curator Assistant	2006-2007
Entomological collection, UFPR - Federal University of Parana, Brazil	
Scientific trainee	2004-2005
Department of Zoology, UFPR - Federal University of Parana, Brazil	
Teachers' assistant (Course: Structural Botany) Department of Botany, UFPR - Federal University of Parana (Scholarship from UFPR)	2002-2003

CAREER BREAKS

Second child. Born in December 2020. Maternity leave	2020-2022
First child. Born in June 2017. Maternity leave	2017-2019

LANGUAGES

English (fluent), German (fluent), Spanish (fluent), Portuguese (mother tongue)

PUBLICATION SUMMARY

Full publication list at the end of this cv

730 citations, h-index: 15 (on 28th February 2024) [[Google Scholar](#)]

452 citations, h-index: 13 [[ResearchID](#)]

27 peer-reviewed publications in journals and books, for updated statistics please visit: [Orcid: 0000-0003-2305-2877](#) | [Web of Science ResearchID/Publons: B-1295-2014](#) | [Brazilian Lattes](#)

FUNDING AWARDED

CNPq	2023
PI: Gabriel Melo. Main collaborators: Rodrigo Barbosa Goncalves, Eduardo Almeida, Kelli Ramos, Antonio Aguiar, Aline C. Martins . Evolution and biogeography of the neotropical bees: a phylogenomic approach (US\$ 56,000)	
DFG (Deutsche Forschungsgemeinschaft)	2022
PI: Belinda Kahnt. Main collaborators: Aline C. Martins , Panagiotis Theodorou, Robert Paxton. "A comparative population genomic approach to address the effects of habitat loss and fragmentation on South American <i>Centris</i> oil bees" (US\$ 215,000)	
Instituto Serrapilheira	2019
PI: Fernanda A. Carvalho. Main-collaborators: Aline C. Martins (UnB - Brazil), Thais N. C. Vasconcelos (USP-Brazil), Alexandre Antonelli (Royal Botanic Gardens Kew - UK), Sidonie Bellot (Royal Botanic Gardens Kew - UK), Antonio J. C. Aguiar (UnB - Brazil). "Plant pollinator interaction in the Cerrado hotspot: filling knowledge gaps with pollen DNA-metabarcoding" (US\$20,000)	
Foundation for Research Support (FAP-DF)	2019

- PI: Carolyn Proença (UnB - Brazil). Main collaborators: Fernanda Antunes Carvalho (UFMG - Brazil), **Aline C. Martins** (UnB - Brazil), Thais N. C. Vasconcelos (USP - Brazil). “The specialization of plant-pollinator interactions: metabarcoding as a tool to characterize plant species visited by stingless bees in the Cerrado”. (US\$ 11,000)
- CNPq (personal postdoc fellowship, 22/2018) 2018
Recipient: **Aline C. Martins**. PI: Mercedes Bustamante (UnB – Brazil). Project: “Metabarcoding as a tool to characterize plant species visited by stingless bees in the Cerrado”
- CAPES (personal postdoc fellowship) 2016
Recipient: **Aline C. Martins**. PI: Eric Smidt
- Foundation for Research Support (FAP-DF) 2015
PI: Antonio J. C. Aguiar (UnB – Brazil). Main collaborators: **Aline C. Martins**. Project: “Bee diversity monitoring in Federal District: taxonomy, natural history and specialized interactions”. (US\$ 6,000)
- CNPq (Universal Grant 014/2011) 2011
PI: Gabriel A. R. Melo (UFPR – Brazil). Co-PI: **Aline C. Martins** (UFPR – Brazil). Project: “Molecular systematics of the oil bees from the tribe Centridini and phylogeography of the *hyptidis* group with emphasis on biogeography of open vegetation areas of South America” (US\$ 25,000)
- Travel Grant from Distributed European School of Taxonomy 2013
to attend to the Phylogenetic Systematics and Molecular Dating, Copenhagen.
- Endowment Student Award, International Society of Hymenopterists 2012
for doctoral research project (US\$2500)
- DAAD/CAPES/CNPq (personal PhD fellowship, Sandwich Program 2012/2013) 2012
“The evolution of oil-collecting *Centris* and *Epicharis* bees: inferences from the dated phylogeny”
- CNPq (personal fellowship 384863/2009) 2009
Recipient: **Aline C. Martins**. PI: Philip Fearnside (INPA). Project: “Amazon scenarios: land use, biodiversity and climate”
- CNPq (personal fellowship 384924/2006-9) 2006
Recipient: **Aline C. Martins**. PI: Luciane Marinoni (UFPR) Project: “Taxonline: Network of biological collections from Parana state”
- CNPq (personal fellowship 102632/2005-7) 2006
Recipient: **Aline C. Martins**. PI: Luciane Marinoni (UFPR). Project: “Taxonline: Network of biological collections from Parana state”
- CNPq (personal fellowship) 2004
Recipient: **Aline C. Martins**. PI: Gabriel A. R. Melo. “Beefauna from a grasslands remnants in São José dos Pinhais, Parana”

PEER-REVIEWS SUMMARY

34 verified reviews [Publons]

Phytokeys, 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

Bee biology (undergraduate studies in Biology)	2019-2020
University of Brasilia, Brazil (Co-leader with Antonio J. C. Aguiar).	
III Bee systematics and identification course, Recife, Brazil	2019
Instructors: Gabriel A. R. Melo, Antonio J. C. Aguiar, Rodrigo B. Gonçalves, Kelli S. Ramos, Daniele R. Parizotto, Aline C. Martins)	
Edition and analysis of DNA sequences	2018-2020
Brazilian Congress of Zoology (Course leader)	
Ecology and Evolution of Pollination	2018
I SimBio – Universidade de Brasilia, Brazil (Course Co-leader with Thais Vasconcelos).	
Molecular dating (Graduate Course in Botany)	2016
Botany Department, UFPR - Federal University of Parana (Course Leader)	
Edition and analysis of DNA sequences (Graduate Course in Botany)	2016
Botany Department, UFPR - Federal University of Parana (Course Leader)	
Diversity of life, undergraduate studies in Education for countryside population	2015-2016
University of Brasilia (Course co-leader with Cristiano Gatti)	

MENTORSHIP

Katie Kinney	2023 - present
Title: Bees and flowers: which plant traits attract more bee visitors? University of Michigan (Main supervisor)	
Karina Chaidez	2023 - present
Title: Bees and flowers: which plant traits attract more bee visitors? University of Michigan (Main supervisor)	
Adson W. F. Albuquerque	2019-2020
Title: Phenology and bee-plant interactions in the IBGE Ecological Reserve. Undergraduate studies in Biology, University of Brasilia (Main supervisor)	
Renata H. Figueira	2019-2020
Title: Floral visitors of <i>Hypenia macrantha</i> , a plant with explosive anthers. Undergraduate studies in Biology, University of Brasilia (Main supervisor)	
Matheus M. Carvalho	2019-2020
Title: Phenology and bee-plant interactions in the IBGE Ecological Reserve. Undergraduate studies in Biology, University of Brasilia (Main supervisor)	
Krissy Norrana	2019-2020

Title: Metabarcoding as a tool to characterize the bee-plant interactions and conservation of ecosystem services in the Cerrado savana. Undergraduate studies in Biology, University of Brasilia (Main supervisor)

Diego C. Silva 2016-2017

Title: Beekeeping in the Urucuia Valley: interactions between beekeepers and environment. Undergraduate studies in Education for countryside population, University of Brasilia (Main supervisor)

Tais A. M. Ribeiro 2016-2018

Title: Molecular phylogeny, biogeography and distribution modelling of *Lanthanomelissa* bees – an endemic genus from South American grasslands. Master's in Zoology, University of Brasilia (Co-supervisor with Antonio J. C. Aguiar).

Mark D. Scherz 2013-2014

Title: Phylogeny and Evolution of floral oils in Angelonieae (Plantaginaceae). Master's program in Ecology, Evolution and Systematics, University of Munich (Co-supervisor with Susanne Renner)

CONGRESS AND MEETINGS

Evolutionary lag times associated with events of geographic range expansions or shifts between bee hosts and cleptoparasites. Entomological Society of America Annual Meeting 2023

Contrasting patterns of foraging behavior in Neotropical stingless bees using pollen and honey metabarcoding. SCAPE, Belgium. 2023

Phylogenomics illuminates the evolution of cleptoparasitism in bees of Ericroidine line. XX Brazilian Congress of Zoology, Aguas de Lindoia, Brazil (In portuguese) 2020

Paleocene savannas: hypothesis on an earlier origin of Cerrado. V Semana do Cerrado, Brasilia, Brazil (online) (In Portuguese) 2020

The oil price: origin and evolution of oil-collecting bees cleptoparasites. XII Bee Meeting, Uberlandia, Brazil. 2019

From tree tops to the ground: reversals to terrestrial habit in *Galeandra* orchids (Epidendroideae: Catasetinae) V Monocots, Natal, Brazil 2018

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 (In portuguese) 2015

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 (In Spanish) 2015

INVITED PRESENTATIONS & SEMINARS

Bees and plants evolution in the Neotropics. Biology Department Seminar Series, York University, Toronto, Canada (online) 2023

The Neotropics: understanding biogeography and evolution of bees and plants. Environmental Biology Seminar Series, McGill University, Montreal, Canada (online)	2023
Climatic changes and insects. Thematic week "Climatic Changes: how much time do we have left?" University of Brasilia, Brazil (In Portuguese)	2019
Losses and gains of floral oil syndrome on neotropical plants. Botany Department, UFPR - Federal University of Parana, Brazil (In Portuguese)	2015
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. USP - University of Sao Paulo, Ribeirão Preto, Brazil (In Portuguese)	2009
Araucarian forests of Southern Brazil, University São Marcos, São Paulo, Brazil (In Portuguese)	2008
Species distribution modelling: applying information from biological collections. UFPR - Federal University of Parana, Brazil (In Portuguese)	2007

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, Brazil	2011
II Workshop on Phylogenetic systematics, Sao Paulo State University, Brazil	2010
Systematics and identification of neotropical bees, UFPR - Federal University of Parana, 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
Cartography and GPS use. UFPR - Federal University of Parana, UFPR, Brazil	2006
Diversity and conservation of Brazilian avifauna. UFPR - Federal University of Parana, 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. UFLA - Federal University of Lavras, Brazil	2023
Tamires O. Andrade (Master thesis). Title: "An integrative approach to delimit species in the <i>Eulaema cingulata</i> and <i>Eulaema pseudocingulata</i> pair (Hymenoptera: Apidae) using	

- morphometric and molecular evidence". Graduate program in Systematics, Animal Taxonomy and biodiversity. Museum of Zoology, USP - University of Sao Paulo 2021
- Suiane S. Oleques (Doctoral thesis). Title: Reproductive biology and pollination systems in Iridaceae from Tigridaeae tribe. Graduate program in Botany, UFRGS - Federal University of Rio Grande do Sul, Brazil 2021
- David B. Muniz (Doctoral thesis). Title: Phylogeny of neotropical groups of *Trypoxylon* and review of Brazilian species of *Trypargilum* (Hymenoptera, Crabronidae). Graduate program in Entomology, UFPR - Federal University of Parana 2020
- Marco T. R. Furtado (Doctoral Thesis). Title: Pollination biology of *Palicourea* Aubl. and *Psychotria* L. (Rubiaceae): variations and functionality of reciprocal herkogamy and pollinators. Graduate program in Botany, UnB - University of Brasilia 2019
- Joicelene R. L. Paz (Doctoral Thesis). Title: Reproductive strategies in Connaraceae: morphological, functional and phenological implications in polymorphic systems. Graduate program in Botany, UnB - University of Brasilia 2019
- Gabriela P. Camacho (Doctoral Thesis). Phylogenomic perceptions on the evolution of ectaheteromorphic ants and congruence in phylogenetic big data. Graduate program in Entomology, UFPR - Federal University of Parana 2017

Red lists assessments:

- Bumblebee specialist group (South America) (Member). International Union of Conservation of Nature (IUCN) 2011
- 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, high-throughput next generation sequencing (NGS)
- Extensive experience in specimen collection, identification and databasing (especially insects (Hymenoptera) and plants)
- Experience in entomological and botanical collection curation, including database in Access, DarwinCore and Brahms, specimens mounting and conservation)
- Fieldwork expeditions (for insect and plant collecting) 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 several phylogenetic programs (e.g. MrBayes, RaxML, Beast package, Mesquite, TNT).

Extensive knowledge in several programs (R, Python, Java, C++ languages) for example: R packages for ecology and evolution, ArcGIS, Microsoft Office package

Extensive knowledge on image editing programs: Adobe package (Photoshop, Illustrator, Lightroom), CorelDraw

Extensive knowledge in editing and analyzing DNA sequences, including contig assembly, alignments, primer design, submission to GenBank, in different programs: Geneious, Bioedit, SequenceMatrix, Ugene.

EVENT ORGANIZATION

III Bee systematics and identification course, Recife, Brazil 2019

I Forum of Systematics and Biogeography, USP - University of Sao Paulo, Ribeirao Preto, Brazil
(Co-organizer with Rafaela Falaschi) 2009

VII Summer Course in Entomology, USP - University of Sao Paulo, Ribeirao Preto, Brazil (Main-organizer) 2009

POPULAR SCIENCE, MEDIA COVERAGE AND INTERVIEWS

Martins AC, Santos LM. Danuncia Urban (1933-), bióloga. Pioneiras da Ciencia, CNPq webpage (in Portuguese) 2015

Where are the bees? Problemas Brasileiros (Interview, in Portuguese) 2014

Martins AC. Aline Cristina Martins, winner of the inaugural International Society of Hymenopterists Endowment Student Award. Hamuli: the newsletter of the international society of Hymenopterists 2012

New victim of global warming? Ciencia Hoje (Interview; in Portuguese) 2009

FULL PUBLICATION LIST(*mentees)Under review

29. Meneguzzo TEC, Gomes SM, Batista JAN, Aguiar AJC, **Martins AC**, Carvalho BM, Williams TCR, Proença CEB. *Brachystele guayanensis* is an unusual orchid with a generalistic pollination system and a new class of nectar for the Orchidaceae. *Botanical Journal of the Linnean Society* (in review)
28. Cordeiro GD, Giannini TC, Consorte PM, Costa ACJ, Machida WS, Marques BF, Mazzei ND, Menezes PP, Resende LS, Shimoda J, Sousa FG, Souza RS, Acosta AL, Aguiar AJC, Almeida EAB, Alves DA, Alvesdos-Santos I, Andrade TO, Anjos-Silva EJ, Barbosa AS, Barbosa ERM, Bezerra LA, Borges RC, Brito TF, Camacho GP, Campbell AJ, Castro MS, Coelho BWT, Ferrari RR, Garófalo CA, González-Chaves AD, Keller GO, Lichtenberg EM, Martínez-Martínez CA, Martins MB, **Martins AC**, Maués MM, Moleiro HP, Mougá DMDS, Oliveira FF, Ramos KS, Ramos RL, Rocha-Filho LC, Santos IPV, Santos S, Santos-Júnior JE, Shibata A, Silva DP, Teixeira CMN, Tietz AL, Santos MET, Vilhena PS, Vivallo F, Carvalheiro LG. Brazilian Bee Traits Database: addressing the Raunkiaerian shortfall for Neotropical bees. *Ecology* (in review).

Peer-reviewed published papers and chapters

27. **Martins AC**, Proença CEB, Vasconcelos TNC, Aguiar AJC, Farinasso HC, Lima ATF, Faria JEQ, Norrana K*, Costa MBR, Carvalho MM*, Dias RL, Bustamante MMC, Carvalho FA, Keller A. Contrasting patterns of foraging behaviors in Neotropical stingless bees using pollen and honey metabarcoding. *Scientific Reports* (in press)
26. Ramos KS, **Martins AC**, Melo GAR (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, [10.1016/j.ympev.2022.107484](https://doi.org/10.1016/j.ympev.2022.107484)
25. Sless TL, Branstetter MG, Gillung JP, Krichilsky EA, Tobin KB, Straka J, Rozen JG, Freitas FV, **Martins AC**, Bossert S, Searle JB, Danforth BN. 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 [10.1016/j.ympev.2021.107326](https://doi.org/10.1016/j.ympev.2021.107326)
24. Morales CL, Montalva J, Arbetman MP, Aizen M, **Martins AC**, Silva DP. 2022. Does climate change influence the current and future projected distribution of an endangered species? The case of the southernmost bumblebee in the world. *Journal of Insect Conservation* 26: 257–269. [10.1007/s10841-022-00384-5](https://doi.org/10.1007/s10841-022-00384-5)
23. Feitosa RMS, Morini MSC, **Martins AC**, Ribeiro TMA*, Noll FB, Santos EF, Canello EM, Constantini JP. 2021. Social Insects of the Atlantic Forest In: Marques M, Grelle CE (eds). *Atlantic Forest: biodiversity, threats and solutions of the megadiverse forest*. Springer. [10.1007/978-3-030-55322-7_8](https://doi.org/10.1007/978-3-030-55322-7_8)

22. Ribeiro TMA*, **Martins AC**, Silva DP, Aguiar AJC (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*. [10.1111/jzs.12472](https://doi.org/10.1111/jzs.12472)
21. Aguiar AJC, Melo GAR, Vasconcelos TNC, Gonçalves RB, Giugliano L, **Martins AC**. 2020 Biogeography and early diversification of Tapinotaspidini oil-bees support presence of Paleocene savannas in South America. *Molecular Phylogenetics and Evolution* 143: 106692. [10.1016/j.ympev.2019.106692](https://doi.org/10.1016/j.ympev.2019.106692)
20. Polcarová J, Cardinal S, **Martins AC**, 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. [10.1093/biolinnean/blz099](https://doi.org/10.1093/biolinnean/blz099)
19. Vasconcelos TNC, Chartier M, Prenner G, **Martins AC**, Schönenberger J, Wringler A, Lucas E. 2019. Floral uniformity through evolutionary time in a species rich tree lineage. *New Phytologist* 221: 1597-1608. [10.1111/nph.15453](https://doi.org/10.1111/nph.15453)
18. **Martins AC**, Bochorny, T., Pérez-Escobar OA, Chomicki G, Monteiro SHN, Smidt EDC. 2018. From tree tops to the ground: reversals to terrestrial habit in *Galeandra* orchids (Epidendroideae: Catasetinae). *Molecular Phylogenetics and Evolution* 127: 952-960. [10.1016/j.ympev.2018.06.041](https://doi.org/10.1016/j.ympev.2018.06.041)
17. Couto RS, **Martins AC**, Bolson M, Lopes RC, Smidt EC, Braga JMA. 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. [10.1093/botlinnean/boy052](https://doi.org/10.1093/botlinnean/boy052)
16. Smidt EC, Toscano de Brito A, **Martins AC**, Royer CA, Whitten M, Chase M. 2018. Phylogeny, biogeography, and character evolution in *Ornithocephalus* clade (Orchidaceae, Oncidiinae). *Botanical Journal of the Linnean Society* 188: 339-354. [10.1093/botlinnean/boy067](https://doi.org/10.1093/botlinnean/boy067)
15. **Martins AC**, Luz DR, Melo GAR. 2018. Palaeocene origin of the Neotropical lineage of cleptoparasitic bees Ericrocidini-Rhathymini (Hymenoptera, Apidae). *Systematic Entomology* 43: 510-521. [10.1111/syen.12286](https://doi.org/10.1111/syen.12286)
14. Pérez-Escobar OA, Chomicki G, Condamine FL, de Vos JM, **Martins AC**, Smidt EC, 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. [10.1038/s41598-017-12300-y](https://doi.org/10.1038/s41598-017-12300-y)
13. Rocha-Filho LC, **Martins AC**, 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](https://doi.org/10.13102/sociobiology.v64i4.1928)
12. **Martins AC**, Melo Gabriel AR. 2016. The New World oil-collecting bees *Centris* and *Epicharis* (Hymenoptera, Apidae): molecular phylogeny and biogeographical history. *Zoologica Scripta* 45: 22-33. [10.1111/zsc.12133](https://doi.org/10.1111/zsc.12133)
11. **Martins AC**, Melo GAR, Renner SS. 2015. Gain and loss of specialization in two oil bee lineages, *Centris* and *Epicharis* (Apidae). *Evolution* 69: 1835-1844. [10.1111/evo.12689](https://doi.org/10.1111/evo.12689)

10. **Martins AC**, Silva DP, De Marco JR P, Melo GAR. 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. [10.1007/s10841-014-9740-7](https://doi.org/10.1007/s10841-014-9740-7)
9. **Martins AC**, Molin AD, Santos LM. 2015. Danuncia Urban: a life devoted to Entomology. *In: Aguiar AJC, Gonçalves RB, Ramos KS (org) Ensaios sobre as abelhas da região Neotropical: Homenagem aos 80 anos Danuncia Urban*. Editor UFPR, Curitiba. URL: [Research Gate](https://www.researchgate.net/publication/275111111)
8. **Martins AC**, Scherz MD, Renner SS. 2014. Several origins of floral oil in the Angelonieae, a southern hemisphere disjunct clade of Plantaginaceae. *American Journal of Botany* 101: 2113 – 2120. [10.3732/ajb.1400470](https://doi.org/10.3732/ajb.1400470)
7. Rech AR, **Martins AC**, Leite FB. 2014. Interactions between plant and pollinators under a phylogenetic perspective. *In: Rech AR, Agostini K, Oliveira PE, Machado IC. Biologia da Polinização*. Editor Projeto Cultural/FunBio, Rio de Janeiro-RJ (in Portuguese). URL: [Research Gate](https://www.researchgate.net/publication/275111111)
6. **Martins AC**, Melo GAR, Renner SS. 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. [10.1016/j.ympev.2014.07.003](https://doi.org/10.1016/j.ympev.2014.07.003)
5. **Martins AC** 2013. Historical approaches on the study of plant-pollinator interactions. *Oecologia Australis* 17: 229 – 242. [10.4257/oeco.2013.1702.05](https://doi.org/10.4257/oeco.2013.1702.05) (In Portuguese)
4. **Martins AC**, Gonçalves RB, Melo GAR 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. [10.1590/S1984-46702013000200006](https://doi.org/10.1590/S1984-46702013000200006)
3. **Martins AC**, 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)
2. **Martins AC**, Aguiar AJC, Alves-dos-Santos I. 2013. Interaction between oil-collecting bees and seven species of Plantaginaceae. *Flora* 208: 401-411. [10.1016/j.flora.2013.07.001](https://doi.org/10.1016/j.flora.2013.07.001)
1. **Martins AC**, Melo GAR 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. [10.1007/s10841-009-9237-y](https://doi.org/10.1007/s10841-009-9237-y)

In preparation

1. Melo GAR, **Martins AC**. The large carpenter bees (*Xylocopa*) of the Neotropical region: phylogenetics, classification and biogeography (*to be submitted in two months to Zoologica Scripta*)
2. **Martins AC**, Freitas FV, Rocha-Filho LC, Branstetter M, Aguiar AJC, Almeida EAB, Vasconcelos TNC. Host-parasite biogeographic congruence: the case of cuckoo oil bees (*to be submitted in two months to Journal of Biogeography*)

THESIS (Bachelor, Masters, Doctoral)

1. **Martins AC.** 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. UFPR - Federal University of Parana, Curitiba, Brazil.
2. **Martins AC.** 2011. Historical approaches on the study of bee-plant interactions: fossil records and phylogenetic hypothesis. Qualification exam (Doctoral degree). UFPR - Federal University of Parana, Curitiba, Brazil. (In Portuguese)
3. **Martins AC.** 2009. Oil-collecting bees and interactions with oil-producing Plantaginaceae species. Masters Dissertation. USP - University of Sao Paulo, Ribeirão Preto, Brazil
4. **Martins AC.** 2006. Potential distribution of *Bombus bellicosus* (Hymenoptera, Apidae) and inferences of conservation status of the species in Brazil. Bachelors thesis. UFPR - Federal University of Parana, Curitiba, Brazil. (In Portuguese)

Abstracts or complete works in scientific meetings abstract books

1. **Martins AC,** Bochorny T, Pérez-Escobar OA, Chomicki G, Nascimento SH, Smidt EC. 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 CA, **Martins AC,** Toscano de Brito A, Smidt EC. 2016. Molecular dating and biogeography of *Ornithocephalus* clade (Orchidaceae, Oncidiinae). 67° National Congress of Botany, Vitoria, Brazil.
3. Malinov IK, **Martins AC,** Aguiar AJC. 2015. Pollination biology of *Cipura* species of cerrado by oil-collecting bees. *In*: XI Bee meeting, Ribeirão Preto, Brazil.
4. Ribeiro TMA, **Martins AC,** Aguiar AJC. 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 AC,** Melo GAR *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 AC,** Aguiar AJC, 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 AC,** Aguiar AJC, 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 AC,** Melo GAR, Barreto FCC. 2008. Extinction of *Bombus bellicosus* on the northern part of its distribution range. *In*: VIII Bee meeting, Ribeirão Preto, São Paulo.
9. **Martins AC,** Aguiar AJC, Alves-dos-Santos I. 2008. Interactions between oil collecting bees and *Angelonia* flowers (Plantaginaceae). *In*: VIII Bee meeting, Ribeirão Preto, Brazil.
10. Melo GAR, **Martins AC,** Gonçalves RB. 2006. Long term changes in bees assemblage: current knowledge and perspectives. *In*: VII Bee meeting, Ribeirão Preto, Brazil. (Complete article, in Portuguese)

11. **Martins AC**, Sigrist MS, Urban-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 AC** 2006. Potential distribution of *Bombus bellicosus* (Hymenoptera, Apidae) and inferences on conservation status in Brazil. In: XIV EVINCI – Scientific Initiation Meeting, UFPR - Federal University of Parana, Curitiba, Brazil. (in Portuguese)
13. **Martins AC**, Gonçalves RB, Melo GAR 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 AC**, Gonçalves RB, Melo GAR 2006. Changes in flora of a natural grasslands and implications to bee species conservation. In: 57^o Brazilian Congress of Botany, Gramado, Brazil. (in Portuguese)
15. **Martins AC**, Fernandes FR, Tschá MK. 2005. Ant fauna from a small forest fragment in Curitiba (Parana). In: I Simpósio Brasileiro de Insetos Sociais, Belo Horizonte, Brazil (in Portuguese)
16. **Martins AC** 2005. Bee fauna (Hymenoptera, Apidae) from a natural grassland in São José dos Pinhais (Parana). In: XIII EVINCI - Scientific Initiation Meeting, UFPR - Federal University of Parana, Curitiba, Brazil (in Portuguese)