Dr. Thais N. C. Vasconcelos (she/her)
Curriculum Vitae (July/ 2021)

PERSONAL INFORMATION

Nationality: Brazilian
Languages: Portuguese (mother tongue), English (fluent), Spanish (conversational)
Professional address: Department of Biological Sciences, University of Arkansas, Fayetteville, Arkansas, 72701
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CURRENT POSITION

- **Post-doctoral Fellow** University of Arkansas (Fayetteville, AR – USA) (2020 – present)

EDUCATION AND PAST PROJECTS

- **Post-doctoral Research Fellow** Universidade de São Paulo (USP – Brazil) (2018 – 2020)
  Project: "Diversification and conservation of the montane flora in the Espinhaco Range".
- **PhD in Systematics and Evolutionary Biology,** University College London, United Kingdom (2013-2017)
  Project: "Morphological homogeneity, phylogenetic heterogeneity and systematic complexity in species-rich groups: a case study of floral evolution in Myrteae (Myrtaceae)"
  (Thesis awarded with the 2018 John C. Marsden Medal for the best PhD thesis in biology in the UK by the Linnean Society of London)
- **MSc. in Botany,** Universidade de Brasilia, Brazil (2011-2013)
  Project: "Evolution of floral strategies in the order Myrtales"
- **BSc. in Biological Sciences,** Universidade de Brasilia, Brazil (2007-2011)

KEYWORDS

Biogeography, Diversification, Phylogenetics, Plant evolution, Systematics

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BIOSKETCH

During my career as a researcher, I have been mainly interested in the link between traits, geographical distribution, and species diversification, as well as in methods to reconstruct phylogenetic trees and to extract information from them. During my MSc and PhD, I have used the diverse family Myrtaceae as a model group to understand these connections. These lineage-focused studies provided me with a controlled biological framework in which to explore the multitude of factors that affect biodiversity gradients across clades, time, and space. As a postdoc, I have been broadening my research interests to other systems, by collaborating with different research, and to "big picture" questions, such as: what are the spatial gradients of diversity in flowering plants and what causes them? Why are some

traits more common in some areas and how these trait-area combinations drive distribution and diversification of flowering plants through time?

The lack of strict general rules in evolution and the need to consider multiple factors in an integrative framework when interpreting biogeographical and macroevolutionary patterns are the drivers of my current research questions. My greatest strengths in science are connecting different areas (interdisciplinarity), intuition to insert research findings into the big picture and synthesis of complex ideas, all of which are important skills to understand evolution. I am a competent user of several analytical tools used in modern research of macroevolution, including comparative phylogenetic methods and fluency in R programming language. I am also experienced in using data from and adding value to natural history collections (herbarium, living, spirit). I have been supervising students (undergrads, MSc and PhD) working on plant evolution and conservation and have a high success rate with grant applications and publication in high impact factor journals (see lists in appendix).

PRIZES

2018: John C. Marsden medal for best PhD thesis in biology in the UK by the Linnean Society of London.

OTHER ONGOING PROJECTS

2019 – present: Serrapilheira – "Plant pollinator interactions in the Cerrado hotspot: filling knowledge gaps with pollen DNA-metabarcoding" based at the Universidade Federal de Minas Gerais (collaborator)

2015 – present: PAFTOL – "Plant and Fungal Tree of Life" (Myrtales) based at the Royal Botanic Gardens Kew (collaborator)

TEACHING EXPERIENCE

2019: Short course on "Biogeography of the Neotropical region" (during the CAEB – Unicamp, Brazil).

2019: "Biogeography and Diversification of the Neotropical biota" (undergraduate course – Universidade de São Paulo, Brazil).

2018: Short course on "Ecology and Evolution of Pollination" (during the I SimBio – Universidade de Brasilia, Brazil).

2018: "Macroevolution" module during "Molecular ecology" graduate course (UNESP – Rio Claro, Brazil).

2012: "Botany" (undergraduate course – Universidade de Brasilia, Brazil)

EDITORIAL BOARD AND REVIEWER

Reviewer:

since 2015: *Nordic Journal of Botany*.

since 2016: *Acta Botanica Brasilica*

since 2017: *Biological Journal of the Linnean Society*

since 2017: *Phytotaxa*

since 2018: *Trees*
since 2018: *International Journal of Plants Sciences*
since 2018: *Botanical Journal of the Linnean Society*
since 2018: *Plant Systematics and Evolution*
since 2018: *Heringeriana*
since 2018: *Systematics and Biodiversity*
since 2019: *Taxon*
since 2019: *Molecular Phylogenetics and Evolution*
since 2019: *Biodiversity and Conservation*
since 2020: *Brittonia*
since 2020: *Annals of Botany*
since 2020: *Journal of Biogeography*
since 2020: *American Journal of Botany*
since 2020: *Ecology Letters*
since 2021: *Systematic Biology*
since 2021: *The American Naturalist*
since 2021: *Proceedings B*

Associate editor:
since 2019: *Plant Systematics and Evolution*
since 2020: *Botanical Journal of the Linnean Society*

ACTIVE SOCIETY MEMBERSHIPS

Society of Systematic Biologists (SSB)

TECHNICAL CAPABILITIES

R programming language (fluent) (including several tools for data analysis and curation, statistical operations, phylogenetic comparative methods, biogeographical and macroevolutionary analyses and species distribution modeling)

BEAST – Bayesian evolutionary analysis by sampling trees (competent user)
Geneious – Bioinformatics tools for molecular biology and NGS analysis (competent user)
MEGA – Molecular Evolutionary Genetics Analysis (competent user)
Mesquite – Modular, extendible software for evolutionary biology (competent user)
MRBAYES – Bayesian inference of phylogenetic trees (competent user)
RAxML – A tool for Phylogenetic Analysis and Post-Analysis of Large Phylogenies (competent user)
Adobe (competent user: Illustrator, Photoshop)
Office Suite (competent user: Word, Excel, Access, Power point)
BRAHMS – Botanical Research and Herbarium Management Systems (competent user)
GeoCAT – Geospatial Conservation Assessment Tool (competent user)
Microscopy techniques (SEM and LM) (competent user)
Scientific illustration (beginner to intermediate level)

EXTRACURRICULAR TRAINING:

2018: Phylogenetic comparative methods in R (one week intensive short course at the the Universidad Nacional Autónoma de México; a partnership between the Revell Lab, University of Massachusetts Boston, and the Universidad Nacional Autónoma de México)

2017: Hyb-Seq and phylogenomic methods (24 hours workshop at the RBG Kew; a partnership between RBGKew PAFTOL project and the Chicago Botanic Garden)

2017: Computational Macroevolution (16 hours workshop at the Oregon State University; a partnership between OSU and the Rabosky lab, University of Michigan)

2016: Bioinformatics (40 hours course at the UCL Department of Computer Science)

APPENDICES

APPENDIX I: List of publications

APPENDIX II: List of grants and awards

APPENDIX III: List of fieldworks and academic visits to other research groups

APPENDIX IV: List of presentation in conferences

APPENDIX I - LIST OF PUBLICATIONS

Summary: I have 32 peer-reviewed publications so far, 12 as first author and 21 in journals with impact factor > 2 (marked with asterisk below), including some of the most renowned journals in the field (e.g. *Journal of Biogeography*, *Proceedings B*, *New Phytologist*), and > 635 citations (Google Scholar consulted in July/2021).

Peer-reviewed publications (* impact factor above 2.0)

*** 32** Maurin O, Anest A, Bellot S, Biffin E, Brewer G, Charles-Dominique T, Dodsworth S, Epitawalage N, Gallego B, Giaretta A, Goldenberg R, Gonçalves DJP, Graham S, Hoch P, Mazine F, Low YW, McGinnie C, Michelangeli FA, Morris S, Penneys DS, Pérez Escobar OA, Pillon Y, Pokorny L, Shimizu G, Staggemeier VG, Thornhill A, Tomlinson KW, Turner I, Vasconcelos TNC, Wilson PG, Zuntini AR, Baker WJ, Forest F, Lucas E. (in review) A nuclear phylogenomic study of the angiosperm order Myrtales, exploring the potential and limitations of the universal Angiosperms353 probe set. *American Journal of Botany*

31 Rosa PO, Vasconcelos TNC, Lucas EJ, Proença CEB. (submitted) Revisiting Glaziou and the Botany of the second Cruls Mission: three new species and 23 accepted species of *Myrcia* (Myrtaceae) collected from Goiás, Brazil and a detailed description of his "Goyaz" itinerary. *Phytotaxa*

*** 30** Dantas M, Leal B, Chaves C, Vasconcelos TNC, Versieux L, Palma-Silva C. (in review) Underlying microevolutionary processes parallel macroevolutionary patterns in ancient Neotropical Mountains. *Journal of Biogeography*

*** 29** Lovo J, Alcantara S, Vasconcelos TNC, Sajo MC, Rudall PJ, Prenner G, Aguiar AJC, Mello-Silva R. **2021.** Floral heterochrony and pollination biology in Trimezieae (Iridaceae): implications for evolutionary lability *American Journal of Botany*

*** 28** Melo LRF, Vasconcelos TNC, Reginato M, Caetano AP, Brito VLG**. 2021.** Evolution of stamen dimetrism in Melastomataceae, a large radiation of pollen flowers. *Perspectives in Plant Ecology Evolution and Systematics*

27 Proença CEB, Faria JEQ, Giaretta A, Lucas EJ, Staggemeier VS, Tuler AC, Vasconcelos TNC. **2020.** Nomenclatural and taxonomic changes in tribe Myrteae (Myrtaceae) spurred by molecular phylogenies Heringeriana 14(1): 49−61

*** 26** Colli-Silva M, Reginato M, Cabral A, Forzza RC, Pirani JR, Vasconcelos TNC. **2020**. Evaluating shortfalls in biodiversity documentation for the Atlantic Forest, the most diverse and threatened Brazilian phytophysiognomic domain. *Taxon*

*** 25** Sperotto P, Acevedo-Rodríguez P, Vasconcelos TNC, Roque N. **2020.** Towards a standardization of the terminology for the climbing habit in plants. *The Botanical Review*

*** 24** Reginato M, Vasconcelos TNC, Kriebel R, Simões A. **2020.** Is dispersal mode a driver of diversification and geographical distribution in the diverse tropical plant family Melastomataceae? *Mol. Phylogenet. Evol.*

*** 23** Vasconcelos TNC, Alcantara S, Andrino C, Forest F, Reginato M, Simon M, Pirani JR. **2020.** Plant diversification in the highly diverse *campo rupestre* reveals rapid and recent radiations in ancient mountaintops. *Proc R Soc Lond [Biol].* 287, 20192933

22 Almeida RBP, Antar GM, Vasconcelos TNC, Santos LL, Amorim BS. **2020.** *Myrcia lucasae* (Myrtaceae), a new species from the *campo rupestre* of Chapada Diamantina, Brazil. *Phytotaxa* 435 (3), 227–234

*** 21.** Aguiar A, Melo G, Vasconcelos TNC, Goncalves R, Giuliano L, Martins A**. 2020.** Biogeography and early diversification of Tapinotaspidini oil-bees support presence of Paleocene savannas in South America. *Mol. Phylogenet. Evol.* 143, 106692

*** 20.** Vasconcelos TNC, Lucas E, Giaretta A, Conejero M, Prenner G. **2020**. Convergent evolution in calyptrate flowers of Syzygieae (Myrtaceae) *Bot. J. Linn. Soc.* 192 (3), 498–509

19. Lucas EL, Holst B, Sobral M, Mazine FF, Nic Lughadha EM, Proença CEB, Vasconcelos TNC. **2019**. A new infra-generic classification of the predominantly South American tribe Myrteae (Myrtaceae) *Syst. Bot* 44(3): 560–569.

18. Vasconcelos TNC, Prenner G, Lucas EJ **2019.** A systematic overview of floral diversity in Myrteae (Myrtaceae). *Syst. Bot*. 44(3): 570–591.

*** 17.** Giaretta A, Vasconcelos TNC, Mazine FF, Faria JEQ, Flores R, Holst B, Sano PT, Lucas E. **2019.** Calyx (con)fusion in a hyper-diverse genus: parallel evolution of unusual flower patterns in Eugenia (Myrtaceae). *Mol. Phylogenet. Evol.* 139, 106553.

*** 16.** Amorim BS, Vasconcelos TNC, Souza G, Alves M, Antonelli A, Lucas E. **2019**. Advanced understanding of phylogenetic relationships, morphological evolution and biogeographic history of the mega-diverse plant genus *Myrcia* and its relatives (Myrtaceae: Myrteae). *Mol. Phylogenet. Evol.* 138, 65–88.

*** 15.** Nic Lughadha E, Staggemeier V, Vasconcelos TNC, Walker B, Canteiro C, Lucas E. **2019.** Harnessing the potential of integrated systematics for the conservation of taxonomically complex, megadiverse plant groups. *Conserv Biol.* 33, 511–522.

14. De la Estrella M, Buerki S, Vasconcelos TNC, Lucas E, Forest F. **2019.** The Role of Antarctica in Biogeographical Reconstruction: A Point Of View, *Int. J. Plant Sci.* 180: 63–71.

*** 13.** Colli-Silva M, Vasconcelos TNC, Pirani JR. **2019** Outstanding plant endemism levels strongly support the recognition of *campo rupestre* bioregions in mountaintops of eastern South America *J Biogeogr.* 46:1723–1733.

*** 12.** Vasconcelos TNC, Chartier M, Prenner G, Martins AC, Schönenberger J, et al. **2019**. Floral uniformity through evolutionary time in a species-rich tree lineage. *New Phytol.* 221(3): 1597–1608.

*** 11.** Vasconcelos TNC, Lucas EJ, Faria JE, Prenner G. **2018**. Floral heterochrony promotes flexibility of reproductive strategies in the morphologically homogeneous genus Eugenia (Myrtaceae). *Ann. Bot.* 121: 161–174.

*** 10.** Mazine FF, Faria JEQ, Giaretta A, Vasconcelos TNC, Forest F, Lucas E. **2018** Phylogeny and biogeography of the hyper diverse genus *Eugenia* (Myrtaceae: Myrteae), with emphasis on sect. *Umbellatae*, the most unmanageable clade. *Taxon* 67(4): 752–769

9. BFG 2018, Vasconcelos TNC. **2018** Brazilian Flora 2020: Innovation and collaboration to meet Target 1 of the Global Strategy for Plant Conservation (GSPC) *Rodriguesia* 69(4): 1513–1527.

8. Lucas EJ, Amorim BS, Lima DF, Lima-Lourenço AR, Nic Lughadha EM, Proença CEB, Rosa PO, Rosário AS, Santos LL, Santos MF, Souza MC, Staggemeier VG, Vasconcelos TNC, Sobral M. **2018.** A new infra-generic classification of the species-rich Neotropical genus Myrcia s.l. *Kew Bulletin*. 73 (1): 9.

7. Vasconcelos TNC, Lucas EJ, Peguero B. **2018.** One new species, two new combinations and taxonomic notes on the All-spice genus *Pimenta* (Myrtaceae) from Hispaniola. *Phytotaxa* 348 (1): 32–40.

*** 6.** Vasconcelos TNC, Proença CE, Ahmad B, Aguilar DS, Aguilar R, Amorim BS, et al. **2017**. Myrteae phylogeny, calibration, biogeography and diversification patterns: Increased understanding in the most species rich tribe of Myrtaceae. *Mol. Phylogenet. Evol.* 109: 113–137.

*** 5.** Vasconcelos TNC, Prenner G, Santos MF, Wingler A, Lucas EJ. **2017**. Links between parallel evolution and systematic complexity in angiosperms: A case study of floral development in *Myrcia* sl (Myrtaceae). *Perspect Plant Ecol Syst.* 24: 11–24.

4. Vasconcelos TNC, Silva JS, Ianhez ML, Proença CE. **2015.** Floristic survey of the Brazilian Ages Memorial: a Cerrado *sensu stricto* area with an educational relevance. *Check List* 11(4): 1689.

*** 3.** Vasconcelos TNC, Proença CE. **2015.** Floral cost vs. floral display: Insights from the megadiverse Myrtales suggest that energetically expensive floral parts are less phylogenetically constrained. *American Journal of Botany* 102(6): 900–909.

*** 2.** Vasconcelos TNC, Prenner G, Bünger MO, De-Carvalho PS, Wingler A, Lucas EJ. **2015.** Systematic and evolutionary implications of stamen position in Myrteae (Myrtaceae). *Botanical Journal of the Linnean Society* 179(3): 388–402.

1. Vasconcelos TNC, Silva JS, Proença CEB. **2012.** Testando a função PPI: análise de previsibilidade fenológica utilizando dados de herbário. *Heringeriana* 6(1): 66–69.

Submitted for publication (* impact factor above 2.0)

* Vasconcelos TNC, O'Meara BC, Beaulieu JM (in review) Retiring "cradles" and "museums" of biodiversity. Submitted to: *The American Naturalist*

* Vasconcelos TNC, Boyko, JD, Beaulieu, JM (in review). The indirect role of frugivores in slowing down rates of climatic niche evolution in flowering plants. Submitted to: *Journal of Biogeography.*

Melo LRF, Vasconcelos TNC, Caetano APS, de Brito VGL (in review) Stamen diversity in Melastomataceae: morphology, color and function. Submitted as a chapter in the book: *Advances in melastome systematics and biology* (Springer/Nature)

* Leal ES, Vasconcelos TNC, Tuberquia D, Gomez MS, Michelangeli FA, Forzza RC, Mello-Silva R (in review) Phylogeny and historical biogeography of Cyclanthaceae (Pandanales), the Panama-hat family. Submitted to: *Taxon*

dos Santos LL, Forest F, Lima DF, Sales MF, Vasconcelos TNC**,** Staggemeier VG, Lucas E. (in review) Phylogenetic and biogeographic analysis in *Myrcia* sect. *Myrcia* (Myrcia s.l., Myrtaceae) with focus on highly polyphyletic *Myrcia splendens*. Submitted to: *International Journal of Plant Sciences*

* Neto, JDS, dos Santos EK, Lucas E, Vetö NM, Barrientos-Diaz O, Staggemeier VC, Vasconcelos TNC, Turchetto-Zolet AC (in review) Advances and perspectives on the evolutionary history and diversification of Neotropical Myrtaceae. Submitted to: *Botanical Journal of the Linnean Society*

APPENDIX II – LIST GRANTS AND AWARDS

Summary I have been successful in 18 grant applications so far, adding up to over 485,000 CAD. This includes personal PhD and postdoc grants, two FAPESP bursaries for undergraduate students (as a PI) and several fieldwork, conference and lab bench fee grants.

2019: FAPESP (grant number 2019/18627-6). Recipient: Raquel Cruz Pizzardo (PI: Thais N. C. Vasconcelos; co-PI: Eimear NicLughadha). Grant for academic visit to the Royal Botanic Gardens Kew. Project: "Combining risk assessment and evolutionary distinctiveness in the conservation of *Chamaecrista* ser. *Coriaceae* (Fabaceae) from the Espinhaço Range" **c. R$19,000 (approx. 4,500 CAD)**

2019: FAPESP (grant number 2019/15929-1, one year personal travel grant starting in 2020). Grant for academic visit to the Royal Botanic Gardens Kew. Project: "How montane environments drive plant diversity and distribution: biogeographical connections and diversification dynamics in the mega-diverse Brazilian *campo rupestre*" c. **R$ 300,000 (approx. 71.700 CAD)**

2019: Serrapilheira (as a collaborator). Project: "Plant pollinator interactions in the Cerrado hotspot: filling knowledge gaps with pollen DNA-metabarcoding" **R$100,000** (**approx. 24,000 CAD)**

2019: FAP-DF (as a collaborator). "A especialização das relações planta-polinizador: metabarcoding como ferramenta na caracterização de espécies vegetais visitadas por abelhas sem ferrão no Cerrado." **R$60,000 (approx. 14,300 CAD).**

2019: Bentham-Moxon Trust. Travel award to the Royal Botanic Gardens Kew. Project: "Evolution and conservation of the Brazilian *campo rupestre* flora" **£900,00**

2019: Society for the Study of Evolution (SSE). Travel award to attend the Evolution meeting in Providence – RI. **US$500,00 (approx. £380,00)**

2018: FAPESP (grant number 2018/24601-7) Recipient: Raquel Cruz Pizzardo (PI: Thais N. C. Vasconcelos). Bursary for undergraduate internship. **R$ 9,183.24 (2,196.80 CAD)**

2018: FAPESP (grant number 2018/24601-7) Recipient: Mirian de Carmargo Antonicelli (PI: Thais N. C. Vasconcelos). Bursary for undergraduate internship. **R$ 9.183,24 (2,196.80 CAD)**

2018: FAPESP (personal postdoc fellowship, grant number 2018/02191-1) Project: "Diversification and conservation of the montane flora of the Espinhaco Range". **R$ 209,497 (approx. 50,000 CAD)** (from July/2018 – June/2020).

2018: University of Massachussets: All fees covered to attend a short course on macroevolution by Drs. Liam Revell and Luke Harmon at the Universidad Nacional Autónoma de México (Mexico).

2017: Bentham-Moxon Trust. Travel award to attend the 68o Brazilian Conference of Botany. **£1,000 (approx. 1,700 CAD)**

2017: University of Michigan: All fees covered to attend a pre-Evolution meeting course on macroevolutionary dynamics by Dr. Dan Rabosky at the Oregon State University (OR-US).

2016: Emily Holmes Memorial Scholarship: Award to cover lab bench fees at the Jodrell Laboratory (RBG-Kew). **£900 (approx. 1,560 CAD)**

2016: University of Vienna: Travel award to give a seminar at the Department of Botany and Biodiversity Research. **EUR€ 484,42 (approx. 720 CAD)**

2015: Emily Holmes Memorial Scholarship: Travel award for fieldwork in Southeast Asia and New Caledonia. **£1,500 (2,600 CAD)**

2013: CAPES (via "Science Without Borders" program): Personal PhD fellowship, grant number 7512-13-9. Project: "Morphological homogeneity, phylogenetic heterogeneity and systematic complexity in species-rich groups: a case study of floral evolution in Myrteae (Myrtaceae)" **£144.600,00** (Including UCL's university fees as international student) **(approx. 250,736 CAD)**

2012: FAP-DF: Travel grant to spend a month as an academic visitor at the Royal Botanic Garden Kew. **R$ 10.000,00 (approx. 2,400 CAD)**

2012: UnB graduate department: Travel grant to visit the collection of the Rio de Janeiro Botanic Garden **R$750,00 (approx. 180 CAD)**

APPENDIX III: LIST OF FIELD EXPEDITIONS

Summary: I have been going into field expeditions aiming at collecting plant samples for different purposes and projects (from floristic surveys to molecular systematics, anatomy, phenology, floral ontogeny and barcoding) since I was an undergraduate student. These field trips cover seven countries so far (with collecting permits approved from all local governments), including all major floristic domains in the continental-scale Brazil.

Brazil 2009 – 2020 (General botanical collections for several projects)

2009-2011: Weekly botanical collections for floristic survey and data collection on plant reproductive phenology in several Cerrado (i.e. South American savanna) areas.

2014-2017: Several field expeditions focusing mainly on Myrtaceae (herbarium specimens, silica collections, spirit collections and field pictures) to all Brazilian major bioregions (i.e. Amazon, Caatinga, Cerrado and Atlantic Forest).

2018-2019: Several field expeditions to the areas of *campo rupestre* in the Espinhaço Range, focusing on collecting material in silica and leaves in spirit for anatomical studies (postdoc project).

2019-2020: Monthly general botanical collections in an area of Cerrado focusing mainly on silica collections (collaborative project with the Universidade de Brasilia aiming at building a barcode reference library)

Jamaica 2015 (General botanical collections for PhD project)

Field expeditions focusing on Myrtaceae (herbarium specimens, silica collections, spirit collections and field pictures) in Trelawny and Saint Ann.

Costa Rica 2015 (General botanical collections for PhD project)

Field expeditions focusing on Myrtaceae (herbarium specimens, silica collections, spirit collections and field pictures) in Peninsula Osa and Cordillera Central.

Dominican Republic 2015 (General botanical collections for PhD project)

Sabah (Malaysia) 2015 (General botanical collections for PhD project)

Field expeditions focusing on Myrtaceae (herbarium specimens, silica collections, spirit collections and field pictures) in the region of the Kinabalu Mountains.

Singapore 2015 (General botanical collections for PhD project)

Field expeditions focusing on Myrtaceae (herbarium specimens, silica collections, spirit collections and field pictures).

New Caledonia 2015 (General botanical collections for PhD project)

Field expeditions focusing on Myrtaceae (herbarium specimens, silica collections, spirit collections and field pictures) in both provinces (North and South).

APPENDIX IV: LIST OF PRESENTATION IN CONFERENCES

Summary: I have presented my research in 19 conferences since 2011, including 18 oral presentations and 9 poster presentations (I presented twice in eight of these conferences).

2021: Botany 2021 (virtual). "Hidden-state-only models provide accurate tip-estimates of diversification **(invited speaker)**

2021: Evolution 2021 (virtual). "Hidden-state-only models provide accurate tip-estimates of diversification rates" **(speaker)**

2020: Botany 2020 (virtual). "Historical drivers leading to spatial gradients of diversity in flowering plants" **(invited speaker)** and "Fast diversification through a mosaic of evolutionary histories characterizes the endemic flora of the *campo rupestre* " **(invited speaker)**

2019: 70th Brazilian National Conference of Botany (Maceió – AL, Brazil). "Plant evolution in the Brazilian *campo rupestre*" **(symposium organizer and invited speaker)** and "All the same? An overview on the floral diversity of Neotropical Myrtaceae" **(speaker)**

2019: 39th Regional Botany Meeting (MG, ES e BA). "The history of plants is linked to the history of people" **(opening talk)** and "Age and diversification of the endemic flora in the *campo rupestre*" **(invited speaker).**

2019: Evolution Meeting (Providence – RI, USA). "Plant diversification in old tropical mountains" **(speaker)**

2018: 12th Latin American Conference of Botany (Quito, Ecuador). "Towards a full understanding of systematics in Neotropical Myrtaceae" **(invited speaker)** and "Homology of the closed calyx in Myrtaceae" **(invited speaker)**

2017: Evolution Meeting (Portland – OR, USA) "Phenotypic and phylogenetic homogeneity corroborate conservative macroevolutionary dynamics in the Neotropical tree genus *Myrcia*" **(poster)**

2017: 68th Brazilian National Conference of Botany (Rio de Janeiro – RJ, Brazil) "Taking Myrtaceae to the next phase: integrating systematics, ecology and evolution in Neotropical Myrtaceae" **(symposium organizer and invited speaker)** and "Phylogeny of Neotropical Myrtaceae" **(poster)**

2016: Young Systematists' Forum (London - UK) "Phylogeny and Biogeography of Myrteae (Myrtaceae)" (**speaker)**

2016: Reflora Seminar Series (London – UK) "Reciprocal illumination, flower evolution and adventures in a Myrtaceous world." **(speaker)**

2016: Workshop on Historical Biogeography of Neotropical Myrtaceae (Rio de Janeiro, RJ – Brazil) "The Myrteae phylogeny revisited" (**invited speaker)**

2015: 66th Brazilian National Conference of Botany (Santos – SP, Brazil). "Systematic and Evolutionary implications of Stamen Position in Myrteae (Myrtaceae)". **(poster)**

2015: Biennial conference of the Systematic Association (Oxford - UK) “Cryptic morphological characters and how they are changing the way we interpret plant taxonomy and evolution”. **(speaker)**

2014: UCL’s annual graduate symposium (London – UK) “Flower Evolution in Myrtaceae and its Systematics Implications” **(speaker)**

2014: 11th Latin American Conferences of Botany (Salvador, BA – Brazil) “Patterns of stamens development and systematics implications in Myrteae (Myrtaceae)”. **(poster)** and “Is flower diameter the best estimate of flower size?” **(poster)**

2012: 63th Brazilian National Conference of Botany (Joinville, SC - Brazil) “Testando a função PPI: análise de previsibilidade ecológica utilizando dados de herbário”. **(poster)** and “Macroevolução de estrategias florais na ordem Myrtales” **(poster)**

2012: IX Encontro Regional de Botânicos do Centro-Oeste. (Brasilia, DF – Brazil) “Testando a função PPI: análise de previsibilidade fenológica utilizando dados de herbário”. **(invited speaker)** and “Macroevolução de estrategias florais na ordem Myrtales” **(poster)**

2011: Congresso de Iniciação Científica do Distrito Federal. (Brasilia, DF – Brazil) “Fenologia de Melastomataceae utilizando dados de Herbário”. **(poster)**