

**Alison Gonçalves Nazareno**  
**University of Michigan**  
**Ann Arbor, MI, USA**  
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**EDUCATION**

2017-2018 Postdoctoral Fellow – Depart. of Evolutionary Biology, University of Michigan  
2013-2017 Postdoctoral Fellow - Department of Botany, University of São Paulo  
2009-2013 Ph.D. - Department of Genetic Resources, Federal University of Santa Catarina  
2007-2009 M.A. - Department of Genetics, University of São Paulo  
2003-2007 Graduate student - Department of Forest Sciences, Federal University of Lavras

**POSITIONS**

2019-onward Visiting Professor  
Department of Evolutionary Biology  
University of Michigan, Ann Arbor, MI, USA  
2018-onward Professor of Genetics and Ecology  
Department of Genetics, Ecology and Evolution  
Federal University of Minas Gerais, Belo Horizonte, MG, Brazil

**ADDITIONAL QUALIFICATIONS - TRAINING COURSES ATTENDED**

2015 RADseq library preparation, sequencing and data analysis  
University of Michigan, Ann Arbor, MI, USA  
2014 Next-generation sequencing for phylogenetics and phylogeography  
National Evolutionary Synthesis Center (NESCent), Durham, NC, USA  
2014 Next Generation-Sequencing for population genomics  
Universidad Tecnológica Indoamérica, Quito, Ecuador  
2013 Plastid genome assembly  
Missouri Botanical Garden, St. Louis, MO, USA

**FUNDING**

**FUNDED GRANTS**

**2019-2021**

FONDECYT – WORLD BANK, 04-2019-FONDECYT-BM-INC.INV, PI: Nazareno AG, Co-PIs: Knowles L, Forzza R, Meireles L. Conservación del antiguo árbol “Shihuahuaco” *Dipteryx micrantha* Harms. (Fabaceae), una especie Neotropical amenazada. \$933,465.

**2018-2021**

CNPq (Brazilian National Research Council), #429266/2018-9, PI: Nazareno AG. Conservation of

*Mimosa catharinensis*: a rare, endemic and threatened plant species from the Atlantic Rainforest.  
\$30,000.

## **MENTORING**

2019-onward

Thais Martins (Federal University of Minas Gerais)

Renata Santiago de Oliveira Buzatti (Federal University of Minas Gerais)

Leonardo Resend (Federal University of Minas Gerais)

2015-2018

Jéssica Francisco Nayara (University of São Paulo, coadvised with Lúcia Garcez Lohmann)

Mayla Beyer (University of São Paulo, coadvised with Lúcia Garcez Lohmann)

2013-2017

Jaqueline Fidelis (Federal University of Lavras, coadvised with Dulcinéia de Carvalho)

## **PEER REVIEW ACTIVITIES**

*Molecular Ecology, Heredity, Scientific Reports, PLoS ONE, Journal of Biogeography, Annals of Botany, Biotropica, Genetica, Current Genetics, Conservation Genetics, Forest Ecology and Management, Plant Biology, International Journal of Biodiversity and Conservation, Applications in Plant Sciences, Ecology and Evolution, Biochemical Systematics and Ecology, Genetics and Molecular Biology, Mitigation and Adaptation Strategies for Global Change, Earth and Space Science, Journal of Plant Research Cerne, Natureza & Conservação.*

## **EDITORIAL ACTIVITIES**

Associate Editor of *Ecology and Evolution* (Blackwell-Wiley), 2013-onward

Reviewer Editor of *Applications in Plant Sciences* (Journal of Botany), 2012-2014

**Dr. Alison Gonçalves Nazareno**  
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**PUBLICATION LIST (\*CORRESPONDING AUTHOR)**

- 1 **Nazareno\***, A.G., Menini, L., Buzatti, R. S. O., Fozza, R. (*in press*) Four raised to one equals one: A genetic approach to the *Pseudolaelia vellozicola* complex does not follow a math rule. *Ecology and Evolution*.
- 2 **Nazareno\***, A.G., Dick, C.W., Lohmann, L.G. (2019) Tangled banks: a landscape genomic evaluation of Wallace's riverine barrier hypothesis for three Amazon plant species. *Molecular Ecology* 28: 980-997.
- 3 **Nazareno\***, A.G., Dick, C.W., Lohmann, L.G. (2019) A biogeographic barrier test reveals a strong genetic structure for a canopy-emergent Amazonian tree species. *Scientific Reports* (in press)
- 4 Beyer, M., Nazareno, A.G., Lohmann, L.G. (2019) Development of nuclear microsatellite markers in *Stizophyllum* (Bignoniaceae) using next-generation sequencing. *Plant Genetic Resources-Characterization and Utilization*, doi.org/10.1017/S1479262119000108
- 5 Menezes, A., Resende-Moreira, L., Buzatti, R., **Nazareno, A.G.**, Carlsen, M., Lobo, F., Kalapothakis, E., Lovato, M.B. (2018) Chloroplast genomes of *Byrsonima* species (Malpighiaceae): comparative analysis and screening of high divergence sequences. *Scientific Reports*, doi.org/10.1038/s41598-018-20189-4
- 6 **Nazareno\***, A.G., Bemmels, J. B., Dick, C.W., Lohmann, L.G. (2017) Minimum sample sizes for population genomics: an empirical study from an Amazon plant species. *Molecular Ecology Resources*. doi 10.1111/1755-0998.12654
- 7 Hmeljevski, K.V., **Nazareno, A.G.\***, Bueno, M., Reis, M.S., Forzza, R.C. (2017) Do plant populations on distinct inselbergs talk to each other? A case study of genetic connectivity of a bromeliad species in an Ocbil landscape. *Ecology and Evolution* 7(13): 4704-4716.
- 8 **Nazareno\***, A.G., Dick, C.W., Lohmann, L.G. (2017) Wide but not impermeable: testing the riverine barrier hypothesis for an Amazonian plant species. *Molecular Ecology* 26(14): 3636-3648.
- 9 Beyer M., **Nazareno, A. G.**, Lohmann, L.G. (2017) Using genomic data to develop chloroplast DNA SSRs for the neotropical liana *Stizophyllum riparium* (Bignoniaceae, Bignoniaceae). *Applications in Plant Sciences* 5(10): 1700061.

- 10 Francisco, J.N., **Nazareno, A.G.**, Lohmann, L.G. (2016) A genomic approach for isolating chloroplast microsatellite markers for *Pachyptera kerere* (Bignoniaceae). *Applications in Plant Science* 4(9).
- 11 Guidugli, M.C., **Nazareno\***, **A. G.**, Feres, J.M., Alzate-Marin, A.L. (2016) Small but not isolated: a population genetic survey of the tropical tree *Cariniana estrellensis* (Lecythidaceae) in a highly fragmented habitat. *Heredity*. doi:10.1038/hdy.2015.108
- 12 **Nazareno\***, **A. G.**, Vitule, J.R.S. (2016) Pollution: Too many mining disasters in Brazil. *Nature* 531: 580-580.
- 13 Alzate-Marin, A.L., Bonifácio-Anacleto, F., Moraes-Filho, R.M., Machado, G.P., **Nazareno, A.G.** (2016) Genetic analysis across life stages of *Metrodorea nigra* (Rutaceae) in a population located in an urban landscape of Southeastern Brazil using a new set of microsatellite markers. *Revista Brasileira de Botânica* 1-5.
- 14 **Nazareno\***, **A. G.**, Carlsen, M., Lohmann, L. G. (2015) Complete chloroplast genome of *Tanaecium tetragonolobum*: the first Bignoniaceae plastome. *PLoS ONE*. DOI: 10.1371/journal.pone.0129930
- 15 Neri, J., **Nazareno, A. G.**, Wendt, T., Palma-Silva, C. 2015. Development and characterization of microsatellite markers for *Vriesea simplex* (Bromeliaceae) and cross-amplification in other species of Bromeliaceae. *Biochemical Systematics and Ecology* 58: 34-37
- 16 **Nazareno\***, **A. G.**, Laurance, W.F. 2015. Brazil's drought: Beware deforestation. *Science* 347: 1427.
- 17 Brandao, M.M., Vieira, F.A., **Nazareno, A. G.**, Carvalho, D. 2015. Genetic diversity of neotropical tree *Myrcia splendens* (Myrtaceae) in a fragment-corridor system in the Atlantic rainforest. *Flora*
- 18 **Nazareno\***, **A. G.**, Reis, M.S. 2014. Where did they come from? Genetic diversity and forensic investigation of the threatened palm species *Butia eriospatha*. *Conservation Genetics* 15:441-452
- 19 **Nazareno\***, **A. G.**, Angelo, P.C.S., Muschner, V.C., Santos, J., Schlindwein, A.D., Reis, M.S. 2013. Microsatellite markers designed for tree-fern species *Dicksonia sellowiana*. *Biologia plantarum* 57: 563-566
- 20 **Nazareno\***, **A. G.**, Reis, M.S. 2014. At risk of population decline? An ecological and genetic approach to the threatened palm species *Butia eriospatha* (Arecaceae) of Southern Brazil. *Journal of Heredity* 105: 120-129
- 21 **Nazareno\***, **A. G.**, Alzate-Marin, A.L., Pereira, R.A.S. 2013. Dioecy, more than monoecy, affects plant spatial genetic structure: the case study of *Ficus*. *Ecology and Evolution* 3: 3495-3508
- 22 **Nazareno\***, **A. G.**, Feres, Juliana M., Carvalho, Dulcineia, Sebbenn, Alexandre M., Lovejoy, Thomas E., Laurance, William F. 2012. Serious New Threat to Brazilian Forests.

*Conservation Biology* 26: 5-6.

- 23 **Nazareno\***, A. G., Jump, A.S. 2012. Species genetic diversity correlations in habitat fragmentation can be biased by small sample sizes. *Molecular Ecology* 21: 2847-2849.
- 24 **Nazareno\***, A. G., Reis, M. S. 2012. Linking phenology to mating system: exploring the reproductive biology of the threatened palm species *Butia eriospatha*. *Journal of Heredity* 103: 842-852.
- 25 **Nazareno\***, A. G. 2012. Call to veto Brazil's forest-code revisions. *Nature* 481: 29.
- 26 **Nazareno\***, A. G. 2012. Combat the effects of Forest Code changes. *Nature* 486: 191.
- 27 Ferreira, D.K., **Nazareno\***, A. G., Mantovani, A., Sebbenn, A. M., Bittencourt, R., Reis, M. S. 2012. Genetic analysis of 50-year old Brazilian pine (*Araucaria angustifolia*) plantations: implications for conservating planning. *Conservation Genetics* 13: 435-442.
- 28 **Nazareno\***, A. G., Zucchi, M. I., Reis, M. S. 2011. Microsatellite markers for *Butia eriospatha* (Arecaceae), a vulnerable palm species from the Atlantic Rainforest of Brazil. *American Journal of Botany* 98: e198-e200.
- 29 **Nazareno\***, A. G., Reis, M. S. 2011. The same but different: monomorphic microsatellite markers as a new tool for genetic analysis. *American Journal of Botany* 98: e265-e267.
- 30 **Nazareno\***, A. G., Lovejoy, T. E. 2011. Giant dam threatens Brazilian rainforest. *Nature* 478: 37.
- 31 **Nazareno\***, A. G., Carvalho, D. 2009. What are the reasons for no inbreeding and high genetic diversity of the neotropical fig tree *Ficus arpazusa*? *Conservation Genetics* 1:1-5.
- 32 **Nazareno\***, A. G., Pereira, R.A.S., Feres, J. M., Mestriner, M.A., Alzate-Marin, A.L. 2009. Transferability and characterization of microsatellite markers in two Neotropical *Ficus* species. *Genetics and Molecular Biology* 3:1-4.
- 33 **Nazareno\***, A. G., Silva, Ranyse B. Querino da, Pereira, R.A.S. 2007. Fauna of Hymenoptera in *Ficus* spp. (Moraceae) in the Central Amazon, Brazil. *Iheringia. Série Zoologia* 97:1-6.