

MELINA OLIVEIRA MELITO

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Full CV: <http://lattes.cnpq.br/8755274890922974>

Education

PhD. Ecology. University of São Paulo (USP). 2012-2016

Internship at the National Autonomous University of Mexico (UNAM). 2015-2016

MA. Ecology and Biological Conservation. State University of Santa Cruz (UESC). 2009-2011

BS. Biology. State University of West Parana (UNIOESTE). 2003-2007

Training

Courses

2018. **Systematic Review and Meta-analysis** - Federal University of Rio de Janeiro (UFRJ). Theoretical and practical course on data acquisition from secondary data and related statistical analysis.

2016. **Sustainability Science: Interactions between humans and environmental systems** - National Autonomous University of Mexico (UNAM), University of Minnesota (UMN) & Arizona State University (ASU). Online classes and discussions among participants from the three universities oriented by articles and videos on hot-topics in sustainability science.

2015. **Using R to model, manipulate, and manage spatial data.** International Association for Landscape Ecology (IALE). Introductory course of spatial data analysis in R environment.

2015. **Ecology of fragmented tropical forests.** National Autonomous University of Mexico (UNAM). Intensive immersive practical course to develop ecological projects at the Lacadona forest (México) and for training scientific writing.

2014. **Remote sensing and SIG applied for Ecology** - São Paulo State University (UNESP). Theoretical and practical course on SIG using multiples softwares.

2013. **II Southern-Summer School on Mathematical Biology** - São Paulo State University (UNESP) & International Center for Theoretical Physics (ICTP). Developed a project in mathematical biology and participated of the lectures.

2013. **Field course in Ecology of Amazonian Forests** - National Institute of Amazonian Research (INPA). Intensive practical course with strict deadlines to develop ecological projects in distinct habitats of the Amazon forest and for training scientific writing.

Languages

Brazilian Portuguese (Proficient; native); **English** (Proficient); **Spanish** (Fluent).

Softwares

R environment. Intermediate in programming and spatial analysis.

ArcGis/QGIS. Intermediate in SIG.

IDRISI. Basic in remote sensing.

Research

Peer-reviewed

Melito, M.; Arroyo-Rodríguez, V.; Metzger, J.P., Cazetta, E.; Larissa Rocha-Santos, L.; Melo, F.P.L.; Santos, B.A.; Magnago, L.F.S.; Hernández-Ruedas, M.; Faria, D.; Oliveira, A.A. 2021. Landscape forest loss decreases aboveground biomass of Neotropical forests patches in moderately disturbed regions. **Landscape Ecology** 36: 439–453.

Melito, M.; Metzger, J.P., Oliveira, A.A. 2018. Landscape-level effects on aboveground biomass of tropical forests: A conceptual framework. **Global Change Biology** 24: 597-607.

Lima, R.; Mori, D.; Pitta, G.; **Melito, M.**; Bello, C.; Magnago, L.F.; Zwieger, V.P.; Saraiva, D.D.; Marques, M.C.; Oliveira, A.A.; Prado, P.I. 2015. How much do we know about the endangered Atlantic Forest? Reviewing nearly 70 years of information on tree community surveys. **Biodiversity and Conservation** 24: 2135-2148.

Melito, M.; Faria, J.C.; Amorim, A.; Cazetta, E. 2014. Demographic structure of a threatened palm (*Euterpe edulis* Mart.) in a fragmented landscape of Atlantic Forest in northeastern Brazil. **Acta Botanica Brasilica** 28: 249-258.

Code

<https://github.com/adalardo/lmBuffer/>

Quantitative indicators

Citations in Google Scholar = 115 (<http://bit.ly/MelitoScholarGoogle>)

Oral presentation in scientific events = 2

Poster presentation in scientific events = 8

Journal referee

Journal of Applied Ecology

Ecography

Biological Conservation

Ecology and Evolution

Brazilian Journal of Botany

Acta Botanica Brasilica

Projects

2018-2019. **Brazilian Platform of Biodiversity and Ecosystem Services** (BPBES). Researcher of the sub-project “Quantifying the anthropogenic vectors of biodiversity and ecosystem services loss at the Atlantic Forest”; supervision of Dr. Jean Paul Metzger. <https://www.bpb.es.net.br/>

2013-2015. **Neotropical Tree Communities database** (TreeCo). University of São Paulo. Assisted the systematic review of literature and database management. <http://labtrop.ib.usp.br/doku.php?id=projetos:treeco:start>

2012-2016. **Effects of forest fragmentation on biomass of Tropical Forests.** University of São Paulo. Investigated the effects of land-use changes on tree biomass using a large database of tropical anthropogenic landscapes.

2011-2012. **Field guide of seeds and fruits of the Una Biological Reserve.** State University of Santa Cruz. Collected samples and registered the images on the photographic studio.

2011-2012. **Reproductive phenology and fruit morphometry of the tree community from the Biological Reserve of Una (REBIO Una).** State University of Santa Cruz. Collected samples and performed fruit morphometry.

2010-2011. **Effects of forest fragmentation in seed predation and the population structure of *Euterpe edulis* at south Bahia, Brazil.** State University of Santa Cruz. Investigated population structure and patterns of vertebrate seed predation in forest fragments with distinct sizes.

2009-2010. **Seed dispersal by the giant Amazon turtle *Podocnemis expansa* (Chelonia: Podocnemididae) at the Biological Reserve of the Trombetas River, Para, Brasil.** National Institute of Amazonian Research. Investigated in situ and ex situ the potential of the species as seed dispersal.

2006-2006. **Aquatic heteroptera (Insecta, Hemiptera) of Cascavel, Parana, Brazil. I – Nepomorpha from the municipal lake.** State University of West Parana. Investigated the morphometric relation among nepomorpha species.

Teaching

2015. Invited Teacher for the class: **Effects of forest fragmentation in carbon stocks of Tropical Forests.** Course Ecology of Disturbances. Bioscience Institute, Botanical Garden of São Paulo.

2014/2015. Teaching assistant. **R language.** University of São Paulo. Assisted teachers and students in theoretical and practical classes. Corrected practical exercises and oriented students in the development of algorithms as final projects.

2014. Teaching assistant. **Biodiversity Conservation.** University of São Paulo. Course approaching theoretical basis of biodiversity conservation and practical problem-solving exercises about conservation. Assisted all activities and took classes about the socio-ecological impacts of power generation.

2013. Teaching assistant. **Virtual Ecology.** University of São Paulo. Course approached ecological theories using models and simulation. Assisted classes, models implementation, and the formulation of exercises and tests.

2013. Teaching assistant. **Population Ecology.** University of São Paulo. Assisted the theoretical and practical classes about the fundamentals of population ecology using simulation models.

2012. Teaching assistant. **Basic Statistic.** State University of Santa Cruz. Course approaching the basic principles of frequentist data analysis. Assisted students in theoretical and practical classes.

2011. Teaching assistant. **Planning and Analysis in Conservation Research.** State University of Santa Cruz. Course consisted in theoretical and practical classes on hypothesis formulation, sample design and data analysis. Assisted all classes and student's final project.

Fellowships & grants

2015. FAPESP National Autonomous University of Mexico (**\$28,585**)
2014. FAPESP University of São Paulo (**\$22,000**)
2012. CAPES University of São Paulo (**\$10,700**)
2011. FAPESB State University of Santa Cruz (**\$5,220**)
2009. The Mohamed bin Zayed Species Conservation Fund (**\$3,000**)
2009. IDEA WILD (**\$1,314**)
2009. FAPESB State University of Santa Cruz (**\$8,700**)

Organization

2014. **Ecoschool: school of ecology**. University of São Paulo. Main coordinator of a theoretical-practical scientific event for undergraduate students from Brazil and other countries. Responsible for fundraising and budget management. Coordinated the symposium on Biological Conservation and advised students in their scientific project.

2008. **6th World Congress of Herpetology**. International Herpetological Society. Assisted in the logistic and organization of the event.

Other information

05/2013–04/2014. **Students representative**. Ecology Graduate Program, University of São Paulo.

05/2014–04/2015. **Students representative** (Deputy). Graduate Council of the Institute of Biosciences, University of São Paulo.

09/2018 - 01/2021. **Parental leave**.

Reference

Dr. Eliana Cazetta (MA. supervisor);

Department of Biosciences - State University of Santa Cruz

Applied Ecology and Conservation Lab

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