MARÍLIA MELO FAVALESSO

ⓘ https://orcid.org/0000-0003-4441-0960

🎓 EDUCATION

2018 | Present

Doctoral Student in Ecology, Genetics and Evolution
Universidad de Buenos Aires - Buenos Aires capital, Argentina

Provisional thesis title: Ecoepidemiological studies of *Lonomia achelous* and *Lonomia obliqua* (Saturniidae: Hemileucinae) in South America.

Advisor: PhD. Maria elisa Peichoto and PhD. Ana Tereza Bittencourt Guimarães

2016 | 2018

Master in Environmental Sciences
Universidade Estadual do Oeste do Paraná, Cascavel, PR, Brazil

Thesis: Ecological conditions and prediction of available areas for Lonomia obliqua walker 1855 in Brazil (UNIOESTE Libraries)
Advisor: PhD. Ana Tereza Bittencourt Guimarães

2010 | 2014

Bachelor in Biological Sciences
Universidade Federal do Paraná (UFPR), Palotina, PR, Brazil

Thesis: Bees and wasps (Hymenoptera) as ecological indicators in a forest restoration area.
Advisor: PhD. Rodrigo Barbosa Gonçalves

2005 | 2009

Environmental Technician
Centro Estadual de Educação Profissional Pedro Boaretto Neto, Cascavel, PR, Brazil

📖 COMPLEMENTARY EDUCATION

2021

Training of teacher-facilitators: Descriptive Statistical Analysis with R
Escola Nacional de Administração Pública, ENAP   📍 Brazil

· 35 h

2021

Generalized linear mixed model
Universidad de Buenos Aires, UBA (remote)   📍 Argentina

· 40 h

CONTACT

🔗 www.mmfava.com
✉ mariliabioufpr@gmail.com
⌂ github/mmfava

THEMES

- 🖽 Biostatistics
- 💻 Programming in R / Python
- 🔍 Ecoepidemiology
- ☘ Conservation
- 🐛 Entomology

SKILLS

- ® R
- 🐍 Python (basic)
- 🅧 Excel
- > Xlstat
- Ⓜ️ markdown
- ⑂ Git
- 🔍 QGIS
- 🔺 Inkscape

LANGUAGES

Portuguese (Native speaker)
English (Intermediary)
Spanish (Advanced)

2020 • Quantitative remote sensing applied to environmental problems
Universidad Nacional de General San Martin, UNSAM (remote)

📍 Argentina

• 64 h

2019 • Introduction to Bayesian Statistical Methods in Ecology
Universidad de Buenos Aires (UBA)

📍 Argentina

• 60 h

2019 • Epidemiology
Universidade Estadual do Oeste do Paraná (UNIOESTE)

📍 Brazil

• 60 h

2019 • Time series modeling
Universidad de Buenos Aires (UBA)

📍 Argentina

• 60 h

2018 • Advanced models in health and environment
Universidad de Buenos Aires (UBA)

📍 Argentina

• 60 h

2018 • School of Advanced Training in Panoramic Epidemiology
Instituto Gulich

📍 Argentina

• 84 h

2018 • Biotoxinology
Universidade da Integração Latino-Americana (UNILA)

📍 Brazil

• 45 h

2017 • Ecological niche modeling: theory and practice
Universidade Estadual Paulista (UNESP)

📍 Brazil

• 60 h

2016 • Environmental quality and natural resource management
Universidade Estadual do Oeste do Paraná (UNIOESTE)

📍 Brazil

• 60 h

2016 • Multivariate analysis
Universidade Estadual do Oeste do Paraná (UNIOESTE)   📍 Brazil

· 60 h

2016 • Special topics in methodology and scientific writing
Universidade Estadual do Oeste do Paraná (UNIOESTE)   📍 Brazil

· 60 h

2016 • Basic level statistics
Universidade Estadual do Oeste do Paraná (UNIOESTE)   📍 Brazil

· 60 h

2015 • Numerical ecology
Universidade Estadual do Oeste do Paraná (UNIOESTE)   📍 Brazil

· 60 h

2015 • Theoretical ecology
Universidade Estadual do Oeste do Paraná (UNIOESTE)   📍 Brazil

· 60 h

2014 • Short course in *XII Summer Course in Entomology*
Universidade de São Paulo (USP)   📍 Brazil

· 90 h

2012 • Short Course in *Forensic Entomology*
RENOVA cursos   📍 Brazil

· 8 h

2012 • Short Course in DNA Forensic Analysis
RENOVA cursos   📍 Brazil

· 8 h

🧳 PROFESSIONAL EXPERIENCE

2016 | 2018 • Biostatistics consultancy and advice
Qual é a sua pergunta?   📍 Brazil

· Univariate statistical analysis   · R courses
· Multivariate statistical analysis   · Latex course integrated with R
· Non-parametric statistical analysis   · Mendeley course
· Ecological analyzes

🖥 TEACHING EXPERIENCE

2021 ● Introduction to analysis of biological data with R (Spanish)

Course taught in synchronous mode - V Jornadas Paraguayas de Mastozoología, PY

📍 Paraguay

· 15h

2021 ● Git and GitHub without programming (Portuguese)

Course taught in synchronous mode - 2ª Hacktoberfest GDG e GECD Foz do Iguaçu, Paraná - BR

📍 Brazil

· 1h

2021 ● Introduction to analysis of biological data with R (Spanish)

Course taught in synchronous/asynchronous mode - INMeT, Puerto Iguaçu, Misiones - AR

📍 Argentina

· 48h

2021 ● Eco-epidemiological tools for surveillance of accidents with venomous animals (Spanish/Portuguese)

Taught class - UNILA

📍 Brazil

· 5 h

2020 ● Introduction to Git and GitHub in RStudio (Portuguese)

Short course instructor - R-Ladies Fortaleza

📍 Brazil

· 4 h

2020 ● Species distribution models: an introduction (Portuguese)

Short course instructor - R-Ladies BH

📍 Brazil

· 1 h

2019 ● Descriptive statistics (Portuguese)

Short course instructor Grupo de Estudos em Ciência de Dados (GECD)

📍 Brazil

· 4 h

2019 Introduction to R Language (Portuguese)

Short course instructor Grupo de Estudos em Ciência de Dados
(GECD)

♀ Brazil

· 4 h

2017 Ecological Niche Modeling (ENM) and Species Distribution
(SDM) in R (Portuguese)

Short course instructor *XXVI Semana Acadêmica de Ciências
Biológicas* UNIOESTE

♀ Brazil

· 4 h

2016 Numerical ecology in R (Portuguese)

Short course instructor   ♀ Brazil
XXV Semana Acadêmica de Ciências Biológicas UNIOESTE

· 4 h

2016 Introduction to R Language (Portuguese)

Short course instructor   ♀ Brazil
Universidade Federal do Paraná (UFPR)

· 24 h

📄 PUBLICATIONS

2021 10. Resistenca a antibióticos de relevancia clínica en un hospital
de Corrientes

MEDICINA (Buenos Aires) V81: 946-953

Full text: link

Gritti MA, <u>Favalesso MM</u>, Capará LGG & Peichoto ME

2021 9. Land use as an effective factor on the occurrence of
chromosomal diseases in Brazil

International Journal of Molecular Epidemiology and Genetics
12(5):102-111

PMID: 34853634; PMCID: PMC8611229

Cochak MR, <u>Favalesso MM</u>, Costa RM, Guimarães ATB & Ribeiro LFC

2021

8. A hidden deadly venomous insect: first eco-epidemiological assessment and risk mapping of lonomism in Argentina

Plos One NDTS PLoS Negl Trop Dis 15(7): e0009542

DOI: 10.1371/journal.pntd.0009542

Casafús MG, <u>Favalesso MM</u>, Gritti MA, Coronel JM, Guimarães ATB & Peichoto ME

2021

7. *Lonomia* envenomation in Brazil: an epidemiological overview for the period 2007-2018.

Transactions of The Royal Society of Tropical Medicine and Hygiene 115: 9-19

DOI: 10.1093/trstmh/traa051

<u>Favalesso MM</u>, Cuervo PF, Casafús M, Guimarães ATB and Peichoto ME

2020

6. Report of predatory events in *Lonomia* sp. (Saturniidae: Hemileucinae)

Oecologia australis 24(1): 235-241

DOI: oeco.2020.2401.23

<u>Favalesso MM</u>, Chiyo L, Casafús M, Guimarães ATB and Peichoto ME

2019

5. Potential distribution and ecological conditions of *Lonomia obliqua* Walker 1855 (Saturniidae: Hemileucinae) in Brazil

Acta tropica 192: 158-164

DOI: 10.1016/j.actatropica.2019.01.016
<u>Favalesso MM</u>, Lorini LM, Peichoto ME and Guimarães ATB

2019

4. Recorriendo Misiones para el registro ecoepidemiológico de la oruga venenosa *Lonomia* spp. (Saturniidae: Hemileucinae)

Boletín de la Sociedad Entomológica Argentina 30: 4-7

Full text: BSEA

Casafús M, <u>Favalesso MM</u>, Guimarães ATB and Peichoto ME

2019

3. Construction of meanings in practical lessons of biology laboratory: an evaluation by quasi-experimental design

Revista brasileira de ensino de ciência e tecnologia 12(3): 78-93

DOI: 10.3895/rbect.v12n3.7608

<u>Favalesso MM</u>, Oliveira JB, Klüber TE and Guimarães ATB

Citations
Google Scholar

2019 ● 2. Effects of trichlorfon used in the treatment of parasitosis on biological metrics of farmed *Ctenopharingodon idella* (Valenciennes, 1844)

Archives of Veterinary Science 24(2): 61-72

Guimarães ATB, Sobjak TM, <u>Favalesso MM</u> and Boeger WAP

2017 ● 1. Bees and wasps (Hymenoptera) as ecological indicators in a forest restoration area

Oecologia australis 21(4): 396-406

<u>Favalesso MM</u> and Gonçalves RB

🔊 ORAL COMMUNICATIONS

2019 ● The importance of data in the biologist's profession (Portuguese)
VI International Congress of Veterinary Medicine and Biological Sciences

📍 Brazil

2019 ● Clinical and epidemiological characterization of accidents with *Lonomia* in Misiones (Argentina) (Spanish)
II Simpósio Latino-Americano de Biociências

📍 Brazil

2019 ● Be careful where you touch: an overview of lonomism in Brazil (Portuguese)
Seminário em Biociência - UNILA

📍 Brazil

2018 ● Potential distribution and ecological aspects of the venomous caterpillar *Lonomia obliqua* walker 1855 in Brazil (Portuguese)
I Simpósio Latino-Americano de Biociências

📍 Brazil

2017 ● Ecological niche modeling by maximum entropy (Portuguese)
Seminários em Conservação e Manejo de Recursos Naturais

📍 Brazil

2014 ● Structure of the interaction network between bees and angiosperms native to a semideciduous seasonal forest (São Camilo State Park, Palotina, Paraná) (Portuguese)
22° EVINCI/7° EINTI

📍 Brazil

2013 ● Basic evolution concepts (Portuguese)
Grupo de Estudos em Bioética (GEB) - UFPR

📍 Brazil

2012 • Preliminary study of cadaveric fauna in the municipality of
Palotina, Paraná - entomological succession (Portuguese)

20° EVINCI/5° EINTI

📍 Brazil

2012 • The relevance of cadaveric decomposition (Portuguese)

Grupo de Estudos em Pesquisas Forense (GEP Forense) - UFPR

📍 Brazil

📖 PUBLICATIONS FROM EVENTS

2019 • Potential distribution of the main hosts of schistosomiasis
(*Biomphalaria* spp., Mollusca, Gasteropoda: Planorbidae) in
Paraguay (Spanish)

Primer Congreso Paraguayo de Zoología

📍 Paraguay

Casaccia PS, Burgos EF, <u>Favalesso MM</u>, Rios SD, Mereles MF, Arias AR

2019 • Clinical and epidemiological characterization of accidents with
Lonomia in Misiones (Argentina) (Spanish)

II Simpósio Latino-Americano de Biociências

📍 Brazil

<u>Favalesso MM</u>, Couto EM, Casafús M, Gritti MA, Guimarães ATB and
Peichoto ME

2019 • Priorities to prevent the establishment and spread of the yellow
lily in susceptible regions (Spanish)

VI Congreso Nacional de Conservación de la Biodiversidad

📍 Argentina

Gervazoni P, <u>Favalesso MM</u>, Franceschini C, Fuentes Rodriguez D, Sosa A,
Coetzee J and Hill M

2019 • Lonomism in Brazil: epidemiological analysis of accidents
caused by poisonous caterpillars in the period 2007 and 2018
(Portuguese)

IX Simpósio de Zoonoses com Interesse em Saúde Pública

📍 Brazil

<u>Favalesso MM</u>, Casafús M, Guimarães ATB and Peichoto ME

2019 • Accidents with honey bees in the state of São Paulo
(Portuguese)

IX Simpósio de Zoonoses com Interesse em Saúde Pública

📍 Brazil

<u>Favalesso MM</u>, Oliveira PS and Burgos E

2019 • Clinical-epidemiological approach to loxoscelism in the region of
Foz do Iguaçu-PR (Portuguese)

IX Simpósio de Zoonoses com Interesse em Saúde Pública

📍 Brazil

Lescano ME, Ripoli MC, Oliveira WF, <u>Favalesso MM</u>, Peichoto ME and
Tavares FL

2019 ● Potential distribution and ecological aspects of the venomous caterpillar *Lonomia obliqua* Walker 1855 in Brazil (Portuguese)

I Simpósio Latino-Americano de Biociências ● Brazil

Favalesso MM, Casafús MG, Lorini LM, Guimarães ATB and Peichoto ME

2019 ● Contribution to knowledge about the distribution of accidents and host plants of the venomous caterpillar *Lonomia* spp. (Saturniidae: Hemileucinae) in the province of Misiones – Argentina (Spanish)

I Simpósio Latino-Americano de Biociências ● Brazil

Casafus M, Favalesso MM, Couto E, Gatti F, Guimarães ATB and Peichoto ME

2019 ● Revealing land-use change as a key factor influencing the incidence of envenomation by *Lonomia* sp. in southern Brazil (English)

3th International Symposium of Ecology (SINECO) ● Brazil

Favalesso MM, Burgos E, Peichoto ME and Guimaraes ATB

2017 ● Predict areas of occurrence of *Lonomia obliqua* Walker 1855 (Saturniidae, Hemileucinae) in the province of Misiones, Argentina (English)

Reunión conjunta de sociedades de Biociências ● Argentina

Favalesso MM, Casafus MG, Guimaraes ATB and Peichoto ME

2017 ● Prediction of climatically suitable areas for *Automeris naranja* Schaus, 1898 (Lepidoptera, Saturniidae, Hemileucinae) in southern Brazil (Portuguese)

XXVI Semana Acadêmica de Ciências Biológicas da UNIOESTE ● Brazil

Bastos EFM, Favalesso MM, and Guimaraes ATB

2017 ● What is your question? (Portuguese)

XVII Seminário de Extensão da UNIOESTE ● Brazil

Guimarães ATB, Paoletti M, Cargnelutti-Júnior JC, Favalesso MM, Dal'Canton LE and Sobjak T

2016 ● Comparison of abiotic water parameters between three points in the Cascavel river basin (Portuguese)

XXV Semana Acadêmica de Biologia ● Brazil

Medeiros G, Favalesso MM, Nabeshima CA, Favaretto CC and Bueno NC

2016

Silk sericin exerts a protective effect on sperm morphology of C57BL/6 mice fed a High Fat diet (Portuguese)

XV Congresso Brasileiro de Biomedicina & III Congresso Internacional de Biomedicina

📍 Brazil

Scarton SRS, <u>Favalesso MM</u>, Kunz RI, Bracalhão RC, Guimarães ATB and BEU CCL

2016

Bibliographic analysis on the use of fish as bioindicators of the biotic integrity of Brazilian aquatic ecosystems: Sampling environments (Portuguese)

V Seminário sobre Estudos Limnológicos em Clima Subtropical (V SELCS)

📍 Brazil

Berlatto AF, Bogoni RF, Ticiani D, Eichelberger AC, Malagi I, Medeiros G, <u>Favalesso MM</u>, Delariva RL

2014

Bees that collect pollen by vibration in Solanaceae flowers in São Camilo State Park, Palotina, Paraná (Portuguese)

XXV Congresso de Entomologia

📍 Brazil

<u>Favalesso MM</u>, Gonçalves RB

2014

Structure of the interaction network between bees and angiosperms native to Semideciduous Seasonal Forest (São Camilo State Park, Palotina, Paraná) (Portuguese)

22° EVINCI e 6ª SIEPE

📍 Brazil

2013

Study of cadaveric fauna in the municipality of Palotina, Paraná - Description of the characteristics of cadaveric decomposition (Portuguese)

XVI ENAPAVE - Archives of Veterinary Science, v. 18, p. 349-351

📍 Brazil

Tostes RA, Caron E, Cestari FK, <u>Favalesso MM</u> and Silva NL

2013

Study of Cadaveric Fauna in the Municipality of Palotina, Paraná - Description of Characteristics of Cadaveric Decomposition (Portuguese)

MedVep de Especialidades Veterinárias

📍 Brazil

Cestari FK, Silva NL, Tostes RA, <u>Favalesso MM</u> and Caron E

2013

Study of Cadaveric Fauna in the Municipality of Palotina, Paraná – Biogeoclimatic Changes and Its Relation with Cadaveric Decomposition (Portuguese)

MedVep de Especialidades Veterinárias

📍 Brazil

Tostes RA, Cestari FK, Silva NL, <u>Favalesso MM</u> and Caron E

2013 • The influence of a group of studies on bioethics at the Federal University of Paraná, Setor Palotina (Portuguese)

Revista da Sociedade Brasileira de Bioética, V. 9, p. 298 📍 Brazil

Dias NA, Cestari FK and <u>Favalesso MM</u>

2012 • Divergence in carcass decomposition of *Sus scrofa* L. in Forensic Entomology experiments (Spanish)

Anais del II Congreso Uruguayo de Zoología, v. 2, p. 147 📍 Uruguay

Chiarini R, Cestari FK and <u>Favalesso MM</u>

2012 • Preliminary study of cadaveric fauna in the municipality of Palotina, Paraná - Entomological succession (Portuguese)

20° Evinci e 5° Einti 📍 Brazil

<u>Favalesso MM</u>, Cestari FK, Lima N and Tostes R

2012 • Assessment of theoretical content retention in students undergoing practical activities (Portuguese)

XXI Semana Acadêmica de Biologia da UNIOESTE 📍 Brazil

Oliveira JB, Vendrame C, <u>Favalesso MM</u>, Peireira-Júnior M, Lucyk N, Artmann N, Aranha JM and Guimarães ATB

✛ OTHERS

2021 | current • Founder of *Soma dos quadrados*

Texts and videos on biostatistics 📍 Argentina/Brazil

2020 | current • Founder of the *Niche and distribution models group*

Study Group on ENM/SDM 📍 South America

2019 | current • Co-founder of the *Data Science Study Group*

Study Group on Data Science 📍 South America