

MARÍLIA MELO FAVALESSO

 <https://orcid.org/0000-0003-4441-0960>

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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](https://github.com/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)

CV by [pagedown](#) R package.
Code available on  [GitHub](#).
Last updated on 2021-12-07.

2020	<p>● Quantitative remote sensing applied to environmental problems Universidad Nacional de General San Martín, UNSAM (remote) 📍 Argentina</p> <p>• 64 h</p>
2019	<p>● Introduction to Bayesian Statistical Methods in Ecology Universidad de Buenos Aires (UBA) 📍 Argentina</p> <p>• 60 h</p>
2019	<p>● Epidemiology Universidade Estadual do Oeste do Paraná (UNIOESTE) 📍 Brazil</p> <p>• 60 h</p>
2019	<p>● Time series modeling Universidad de Buenos Aires (UBA) 📍 Argentina</p> <p>• 60 h</p>
2018	<p>● Advanced models in health and environment Universidad de Buenos Aires (UBA) 📍 Argentina</p> <p>• 60 h</p>
2018	<p>● School of Advanced Training in Panoramic Epidemiology Instituto Gulich 📍 Argentina</p> <p>• 84 h</p>
2018	<p>● Biotoxinology Universidade da Integração Latino-Americana (UNILA) 📍 Brazil</p> <p>• 45 h</p>
2017	<p>● Ecological niche modeling: theory and practice Universidade Estadual Paulista (UNESP) 📍 Brazil</p> <p>• 60 h</p>
2016	<p>● Environmental quality and natural resource management Universidade Estadual do Oeste do Paraná (UNIOESTE) 📍 Brazil</p> <p>• 60 h</p>

- 2016

Multivariate analysis

Universidade Estadual do Oeste do Paraná (UNIOESTE)

• 60 h

Brazil
- 2016

Special topics in methodology and scientific writing

Universidade Estadual do Oeste do Paraná (UNIOESTE)

• 60 h

Brazil
- 2016

Basic level statistics

Universidade Estadual do Oeste do Paraná (UNIOESTE)

• 60 h

Brazil
- 2015

Numerical ecology

Universidade Estadual do Oeste do Paraná (UNIOESTE)

• 60 h

Brazil
- 2015

Theoretical ecology

Universidade Estadual do Oeste do Paraná (UNIOESTE)

• 60 h

Brazil
- 2014

Short course in *XII Summer Course in Entomology*

Universidade de São Paulo (USP)

• 90 h

Brazil
- 2012

Short Course in *Forensic Entomology*

RENOVA cursos

• 8 h

Brazil
- 2012

Short Course in *DNA Forensic Analysis*

RENOVA cursos

• 8 h

Brazil



PROFESSIONAL EXPERIENCE

- 2015
|
2016

Biostatistics consultancy and advice

Qual é a sua pergunta?

Brazil

- Univariate statistical analysis
 - Multivariate statistical analysis
 - Non-parametric statistical analysis
 - Ecological analyzes

- R courses
 - Latex course integrated with R
 - Mendeley course



TEACHING EXPERIENCE

- 2021 • **Introduction to analysis of biological data with R (Spanish)**
Course taught in synchronous mode - V Jornadas Paraguayas de Mastozoología, PY
• 15h
📍 Paraguay
- 2021 • **Git and GitHub without programming (Portuguese)**
Course taught in synchronous mode - 2ª Hacktoberfest GDG e GECD Foz do Iguaçu, Paraná - BR
• 1h
📍 Brazil
- 2021 • **Introduction to analysis of biological data with R (Spanish)**
Course taught in synchronous/asynchronous mode - INMeT, Puerto Iguazu, Misiones - AR
• 48h
📍 Argentina
- 2021 • **Eco-epidemiological tools for surveillance of accidents with venomous animals (Spanish/Portuguese)**
Taught class - UNILA
• 5 h
📍 Brazil
- 2020 • **Introduction to Git and GitHub in RStudio (Portuguese)**
Short course instructor - R-Ladies Fortaleza
• 4 h
📍 Brazil
- 2020 • **Species distribution models: an introduction (Portuguese)**
Short course instructor - R-Ladies BH
• 1 h
📍 Brazil
- 2019 • **Descriptive statistics (Portuguese)**
Short course instructor Grupo de Estudos em Ciência de Dados (GECD)
• 4 h
📍 Brazil

- 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 *XXV Semana Acadêmica de Ciências Biológicas* UNIOESTE
📍 Brazil
• 4 h
- 2016 • **Introduction to R Language (Portuguese)**
Short course instructor Universidade Federal do Paraná (UFPR)
📍 Brazil
• 24 h



PUBLICATIONS

- 2021 • **10. Resistencia a antibióticos de relevancia clínica en un hospital de Corrientes**
MEDICINA (Buenos Aires) V81: 946-953
Full text: [link](#)
Gritti MA, Favalesso MM, 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, Favalesso MM, Costa RM, Guimarães ATB & Ribeiro LFC



- 2021 ● 8. A hidden deadly venomous insect: first eco-epidemiological assessment and risk mapping of Ionomism in Argentina
Plos One NDTs PLoS Negl Trop Dis 15(7): e0009542
DOI: [10.1371/journal.pntd.0009542](https://doi.org/10.1371/journal.pntd.0009542)
Casafús MG, [Favalesso MM](#), 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](https://doi.org/10.1093/trstmh/traa051)
[Favalesso MM](#), 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](https://doi.org/10.1007/s00240-020-0123-1)
[Favalesso MM](#), 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](https://doi.org/10.1016/j.actatropica.2019.01.016)
[Favalesso MM](#), 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, [Favalesso MM](#), 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](https://doi.org/10.3895/rbect.v12n3.7608)
[Favalesso MM](#), 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
DOI: [10.5380/avs.v24i2.57734](https://doi.org/10.5380/avs.v24i2.57734)
Guimarães ATB, Sobjak TM, Favalesso MM and Boeger WAP
- 2017 ● 1. Bees and wasps (Hymenoptera) as ecological indicators in a forest restoration area
Oecologia australis 21(4): 396-406
DOI: [10.4257/oeco.2017.2104.04](https://doi.org/10.4257/oeco.2017.2104.04)
Favalesso MM 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)
22º EVINCI/7º 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, Favalesso MM, 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
Favalesso MM, 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, Favalesso MM, 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
Favalesso MM, 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
Favalesso MM, 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, Favalesso MM, 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, Favalesso MM, 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, Favalesso MM, 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
Favalesso MM, Gonçalves RB
- 2014 ● Structure of the interaction network between bees and angiosperms native to Semideciduous Seasonal Forest (São Camilo State Park, Palotina, Paraná) (Portuguese)
22º 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, Favalesso MM 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, Favalesso MM 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, Favalesso MM 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

Dias NA, Cestari FK and Favalesso MM

📍 Brazil
- 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

Chiarini R, Cestari FK and Favalesso MM

📍 Uruguay
- 2012

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

20º Evinci e 5º Einti

Favalesso MM, Cestari FK, Lima N and Tostes R

📍 Brazil
- 2012

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

XXI Semana Acadêmica de Biologia da UNIOESTE

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

📍 Brazil

+ 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