

MARÍLIA MELO FAVALESSO

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

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EDUCATION

2018
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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
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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
- 2020 ● **Quantitative remote sensing applied to environmental problems**
Universidad Nacional de General San Martín, UNSAM (remote)  Argentina
• 64 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 2021-09-04.

2019	<p>● Introduction to Bayesian Statistical Methods in Ecology</p> <p>Universidad de Buenos Aires (UBA)</p> <p>• 60 h</p>	📍 Argentina
2019	<p>● Epidemiology</p> <p>Universidade Estadual do Oeste do Paraná (UNIOESTE)</p> <p>• 60 h</p>	📍 Brazil
2019	<p>● Time series modeling</p> <p>Universidad de Buenos Aires (UBA)</p> <p>• 60 h</p>	📍 Argentina
2018	<p>● Advanced models in health and environment</p> <p>Universidad de Buenos Aires (UBA)</p> <p>• 60 h</p>	📍 Argentina
2018	<p>● School of Advanced Training in Panoramic Epidemiology</p> <p>Instituto Gulich</p> <p>• 84 h</p>	📍 Argentina
2018	<p>● Biotoxinology</p> <p>Universidade da Integração Latino-Americana (UNILA)</p> <p>• 45 h</p>	📍 Brazil
2017	<p>● Ecological niche modeling: theory and practice</p> <p>Universidade Estadual Paulista (UNESP)</p> <p>• 60 h</p>	📍 Brazil
2016	<p>● Environmental quality and natural resource management</p> <p>Universidade Estadual do Oeste do Paraná (UNIOESTE)</p> <p>• 60 h</p>	📍 Brazil
2016	<p>● Multivariate analysis</p> <p>Universidade Estadual do Oeste do Paraná (UNIOESTE)</p> <p>• 60 h</p>	📍 Brazil
2016	<p>● Special topics in methodology and scientific writing</p> <p>Universidade Estadual do Oeste do Paraná (UNIOESTE)</p> <p>• 60 h</p>	📍 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?

• Univariate statistical analysis

• R courses

• Multivariate statistical analysis

• Latex course integrated with R

• Non-parametric statistical analysis

• Mendeley course

• Ecological analyzes

Brazil



TEACHING EXPERIENCE

- 2021

Introduction to analysis of biological data with R (Spanish)

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

Argentina

• 48h

2021	<p>● Eco-epidemiological tools for surveillance of accidents with venomous animals (Spanish/Portuguese)</p> <p>Taught class - UNILA</p> <p>• 5 h</p>	📍 Brazil
2020	<p>● Introduction to Git and GitHub in RStudio (Portuguese)</p> <p>Short course instructor - R-Ladies Fortaleza</p> <p>• 4 h</p>	📍 Brazil
2020	<p>● Species distribution models: an introduction (Portuguese)</p> <p>Short course instructor - R-Ladies BH</p> <p>• 1 h</p>	📍 Brazil
2019	<p>● Descriptive statistics (Portuguese)</p> <p>Short course instructor Grupo de Estudos em Ciência de Dados (GECD)</p> <p>• 4 h</p>	📍 Brazil
2019	<p>● Introduction to R Language (Portuguese)</p> <p>Short course instructor Grupo de Estudos em Ciência de Dados (GECD)</p> <p>• 4 h</p>	📍 Brazil
2017	<p>● Ecological Niche Modeling (ENM) and Species Distribution (SDM) in R (Portuguese)</p> <p>Short course instructor <i>XXVI Semana Acadêmica de Ciências Biológicas</i> UNIOESTE</p> <p>• 4 h</p>	📍 Brazil
2016	<p>● Numerical ecology in R (Portuguese)</p> <p>Short course instructor <i>XXV Semana Acadêmica de Ciências Biológicas</i> UNIOESTE</p> <p>• 4 h</p>	📍 Brazil
2016	<p>● Introduction to R Language (Portuguese)</p> <p>Short course instructor Universidade Federal do Paraná (UFPR)</p> <p>• 24 h</p>	📍 Brazil



PUBLICATIONS

- 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/10.2401/23)
[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



SCIENTIFIC ARTICLES IN PRESS

- 2021 ● 2. Land use as an effect factor on the occurrence of chromosomal diseases in Brazil
International Journal of Molecular Epidemiology and Genetics
Cochak MR, Favalesso MM, Brancalhão RMC, Guimarães ATB & Ribeiro LFC
Artigos científicos em desenvolvimento {data-icon=file}
- 2021 ● 1. Antimicrobial resistance profile in carbapenemase-producing microorganisms isolated from a hospital in Corrientes (Argentina)
Medicina (Buenos Aires)
Gritti AG, Favalesso MM, Peichoto ME & Aguirre LGGC



SCIENTIFIC ARTICLES IN DEVELOPMENT

- 2021 ● Revealing the landscape and climate as key factors that influence Ionomics accidents in southern Brazil
Data analysis process
Favalesso MM, Cuervo P, Guimarães ATB and Peichoto ME
- 2021 ● Bee sting notifications in São Paulo (Brazil) between 2007 and 2018
Submitted for consideration in [Journal of the Brazilian Society of Tropical Medicine](#)
Favalesso MM, Oliveira PS, Burgos EF, Frazeto IB and Souza R

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)
20º EVINCI/5º 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 📍 Brazil
Dias NA, Cestari FK and Favalesso MM
- 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 Favalesso MM
- 2012 ● Preliminary study of cadaveric fauna in the municipality of Palotina, Paraná - Entomological succession (Portuguese)
20º Evinci e 5º Eint 📍 Brazil
Favalesso MM, 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, Favalesso MM, 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