

Patricia Matsumoto

Curriculum Vitae



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SHORT BIOGRAPHY

Patricia Matsumoto is an Adjunct Faculty member and Research Associate at Saint Mary's University (SMU) in Halifax, Canada. She earned her Bachelor's degree with great distinction in 2012, a Master's degree in 2014, and a Ph.D. in 2019 from the Department of Geography at São Paulo State University, Faculty of Sciences and Technology (FCT/Unesp), Brazil. Dr. Matsumoto completed a Postdoctoral Fellowship in Geomatics at the Adolfo Lutz Institute (2020–2023) and conducted Master's and Doctoral research internships at the University of Puerto Rico in Puerto Rico and Curtin University in Australia. Her scientific interests lie in the following fields: spatial analysis, forests, health geography, cartography, remote sensing, geographic information systems and story maps.

EDUCATION

Ph.D. in Geography

2015–2019

São Paulo State University — Unesp, Presidente Prudente, SP, Brazil

Dissertation: Geography is a way of thinking: spatial and epidemiological patterns of visceral leishmaniasis in Araçatuba, Presidente Prudente, and Votuporanga - SP, Brazil.

Supervisor: Raul Borges Guimarães, Ph.D. - São Paulo Research Foundation scholarship

M.A. in Geography

2012–2014

São Paulo State University — Unesp, Presidente Prudente, SP, Brazil

Thesis: Spatial analysis of canine visceral leishmaniasis in Presidente Prudente – SP: a geographical approach in environmental health.

Supervisor: Raul B. Guimarães, Ph.D. - São Paulo Research Foundation scholarship

B.A. and License in Teaching Geography

2008–2011

São Paulo State University — Unesp, Presidente Prudente, SP, Brazil

B.A. thesis: Traffic accidents in Presidente Prudente – SP, Brazil: spatial statistics approach. - São Paulo Research Foundation scholarship

Supervisor: Edilson Ferreira Flores, Ph.D.

WORK EXPERIENCE

Part-time Instructor

2025–current

Dalhousie University — Department of Biology — Halifax, NS, Canada

Adjunct Faculty	2024–current
<i>Saint Mary's University — Department of Geography and Environmental Sciences — Halifax, NS, Canada</i>	
Research Associate	2023–current
<i>Saint Mary's University, Wicked Problems Lab — Full-time — Halifax, NS, Canada</i>	
Part-time Instructor	2023–current
<i>Saint Mary's University — Department of Geography and Environmental Studies — Halifax, NS, Canada</i>	
Postdoctoral Fellow	2020–2023
<i>Adolfo Lutz Institute — IAL/Central — Full-time — São Paulo, SP, Brazil</i>	
Project: Use of geotechnologies in health: spatial analysis of laboratory-based phenomena - Leishmaniasis.	
Instructor	2017
<i>São Paulo State University — Department of Geography — Part-time — Presidente Prudente, SP, Brazil</i>	
Technical Trainee III	2014–2015
<i>São Paulo State University — Full-time — Presidente Prudente, SP, Brazil</i>	
Project: Mapping and analysis of the sugarcane agro-hydro business territory in Pontal do Paranapanema region, Brazil: labor relations, conflicts and forms of land and water use, and environmental health.	
Teaching Preparatory College Course	2016
<i>Rosa Luxemburgo, CPRL, Geography — In-person, Part-time — Presidente Prudente, SP, Brazil</i>	

SKILLS

<i>Languages</i>	Portuguese (native), English (CELP, Academic IELTS & TOEFL proficiency), and Spanish (Advanced)
<i>Technologies</i>	ARCGIS PRO, ARCGIS ONLINE, QGIS, ENVI, R-STUDIO, GOOGLE EARTH ENGINE, CHATGPT BUSINESS, PYTHON (BEGINNER), OVERLEAF, MICROSOFT OFFICE
<i>Expertise</i>	Geographic Information Systems & Health Geography
<i>Teaching</i>	FGRS 7000 University Teaching (ISW Certification), Best Practices in Graduate Supervision in Canada, Teams, Brightspace, Google Classroom.

GRANTS & AWARDS

2022--2022 - Grant/Fellowship:	The use of geotechnologies in health: spatial analysis of laboratory-based surveillance phenomena - FAPESP #2021/08630-0. Funding 44,932.20 BRL + 21,847.27 USD.
2021 - Award/Distinction:	International Geographical Union Young Scientist Best Paper Award 2021 at 34th International Geographical Congress from 16th to 20th August 2021 at Istanbul, Turkey. Funding 200 USD.
2020 - Award/Distinction:	Travel Grant Award, The 34th International Geographical Congress - Istanbul, Turkey – International Geographical Union. Funding 1000 USD.
2020--2023 - Grant/Fellowship:	The use of geotechnologies in health: spatial analysis of laboratory-based

phenomena - Leishmaniasis - FAPESP #2019/22246-8. Funding 276,809.49 BRL.

2019 - **Award/Distinction:** Best poster at the GEOSAUDE 2019, International Geographical Union Commission on Health and the Environment (IGU CHE). Funding 100 EUR.

2018--2018 - **Grant/Fellowship:** Spatial analysis and modeling of visceral leishmaniasis in cities of São Paulo, Brazil - FAPESP #2018/08964-2. Funding 2,790.00 BRL + 15,595.83 USD.

2017 - **Award/Distinction:** Best articles of the VIII National Conference of Health Geography, Dourados, MS, Brazil.

2016 - **Award/Distinction:** Travel Grant Award, The 33rd International Geographical Congress - Beijing, China - International Geographical Union. Funding 1000 USD.

2014--2019 - **Grant/Fellowship:** Spatial and epidemiological patterns of visceral leishmaniasis in Presidente Prudente, Araçatuba and Votuporanga - SP: a geographical approach - FAPESP #2014/27070-1. Funding 173,712.24 BRL.

2014 - **Grant/Fellowship:** Mapping and analysis of agrohidro business sugarcane territory in Pontal do Paranapanema region, São Paulo, Brazil: labor, land, water use, and environmental health — FAPESP #2014/08784-3. Funding 9,212.40 BRL.

2013 - **Grant/Fellowship:** Spatial Analysis of American Visceral Leishmaniasis in Presidente Prudente - Geographic Approach and Environmental Health - FAPESP #2013/04206-2. Funding 6,260.00 BRL + 5,590.00 USD.

2012--2014 - **Grant/Fellowship:** Spatial Analysis of American Visceral Leishmaniasis in Presidente Prudente - Geographic Approach and Environmental Health - FAPESP #2012/03747-7. Funding 31,852.26 BRL.

2010-2011 - **Grant/Fellowship:** Spatial statistics in the characterization of traffic accidents in the city of Presidente Prudente - SP, Brazil - FAPESP #09/54607-8. Funding 10,710.00 BRL.

2012 - **Award/Distinction:** Best Student Award in License in Teaching Geography, São Paulo State University, FCT/Unesp, Brazil (Honors).

2012 - **Award/Distinction:** Best Student Award in B.A in Geography, São Paulo State University, FCT/Unesp, Brazil (Honors).

2012 - **Award/Distinction:** Best Student Award in B.A. in Geography, Engineering Council (CREA-SP) (Honours).

2011 - **Award/Distinction:** Best papers in the undergraduate research conference of São Paulo State University (CIC FCT/Unesp) — Scientific Initiation.

2009 - **Award/Distinction:** Best papers in the undergraduate research conference of São Paulo State University (CIC FCT/Unesp) — Scientific Initiation.

PUBLICATIONS

List of recent publications. Please refer to my Google Scholar¹, ResearchGate², or ORCID³ profiles for the complete list of publications.

¹ Google Scholar: <https://scholar.google.com/citations?user=lsNRJJQAAAAJ&hl=en&oi=ao>.

² ResearchGate: www.researchgate.net/profile/Patricia-Matsumoto.

³ ORCID: <http://orcid.org/0000-0001-7205-7557>.

FIRST-AUTHORED PUBLICATIONS

Journal Articles

Matsumoto, P. S. S., Guerra, J. M., Hiramoto, R. M., Taniguchi, H. H., Bertollo, D. M. B., Boité, M. C., Rahaman, K., Novak, M., Cogliati, B., Cupolillo, E., Guimarães, R. B., Tolezano, J. E., / Clements, A. C. A. *Spatial prediction of canine visceral leishmaniasis in an endemic urban area of Brazil*. PLOS ONE. 2025. <https://doi.org/10.1371/journal.pone.0330730> In press. IF: 3.75

Matsumoto P. S. S., et al. *Efficacies of insecticide dog collars against visceral leishmaniasis in low and high-income areas and the effects for non-collared neighbor dogs*. Acta Tropica. 2022. <https://doi.org/10.1016/j.actatropica.2022.106626>. IF: 3.14.

Matsumoto P. S. S., et al. *Impact of the dog population and household environment for the maintenance of natural foci of Leishmania infantum transmission to human and animal hosts in endemic areas for visceral leishmaniasis in São Paulo state, Brazil*. PLoS ONE 16(8): e0256534. 2021. <https://doi.org/10.1371/journal.pone.0256534>. IF: 3.240.

Matsumoto P. S. S., et al. *The path of canine visceral leishmaniasis versus the path of Center for Zoonoses Control: contributions of spatial analysis to health*. Reports in Public Health. CSP, 2022. doi: <https://doi.org/10.1590/0102-311X00272020>. IF: 1.408.

4. **Matsumoto P. S. S.**, et al. *Mapeamento de COVID-19 e isolamento social: ferramentas de monitoramento e vigilância em saúde pública*. Hygeia. Revista Brasileira de Geografia Médica e da Saúde, p.298 - 311, 2020. <https://doi.org/10.14393/Hygeia0054553>. IF: 0.62.

5. **Matsumoto, P. S. S.**, D'Andrea, L. A. Z. *O uso da escala geográfica na saúde pública: as escalas da leishmaniose visceral*, 2019. Ciência e Saúde Coletiva, v.24, p.3825 - 3836, 2019. <https://doi.org/10.1590/1413-812320182410.25452017>. IF: 1.7.

Book Chapter

6. **Matsumoto, P. S. S.**, Pessoto, U. C., Guimarães, R. B. *O espaço como categoria chave em justiça social e saúde pública: o caso da leishmaniose visceral em Votuporanga-SP, Brasil*. In: Abordagens geográficas da vigilância, prevenção e promoção da saúde. 1st ed. Blumenau: Instituto Federal Catarinense, 2019, p. 118-126.*

CO-AUTHORED PUBLICATIONS

Journal Articles

Fernandes, N.C.C.A.; Ferreira-Machado, E.; Garcia, J.M.; Navas-Suarez, P.E.; Simões, S.R.J.S.; Ramos de Carvalho, A.C.S.; **Matsumoto, P.S.S.**; da Costa, A.L.M.; Martins, M.C.; Teixeira, R.H.F.; Gonzaga, C.R.R.; de Medeiros, M.A.; Leandro, S.F.S.; Matos, F.N.; de Melo, L.C.V.; Baccin, A.O.; da Mota, D.J.G.; Gava, R.; de Luca, L.R.; Buti, T.E.M.; Ennsner, J.R.P.; Etlinger-Colonelli, D.; Guerra, J.M. A tale of a snail: Fatal meningoencephalitis caused by *Angiostrongylus cantonensis* in a spider monkey (*Ateles chamek*) and detection among snails, São Paulo, Brazil. *Veterinary Parasitology*. 2025. <https://doi.org/10.1016/j.vprsr.2025.101262>. IF: 2.0

Cunha, M. S.; Guerra, J. M.; Siconelli, M. J. L.; Fonseca, B. A. L.; Dias, J. C. A.; Freitas, G. D.; Sabino, E. ; Manulli, E. R.; Pereira, G. M.; Valença, I.; **Matsumoto, P. S. S.**; Faria, N. R.; Fernandes, N.C.C.A. Yellow fever virus resurgence in São Paulo State, Brazil, 2024-2025. *Preprint Med R XI. Under review Emerg Infect Dis*. 2025. <https://doi.org/10.1101/2025.03.14.25323956>. IF: 7.2.

Fernandes, N. C. C. A.; Cunha, M. S.; Suarez, P. E. N.; Machado, E. F.; Garcia, J. M.; Carvalho, A. C. S. R.; Figueiredo, K. B.; Ressio, R. A.; **Matsumoto, P. S. S.**; Saad, L. C.; Jesus, I. P.; Carvalho, J.; Ferreira, C. S. S.; Spínola, R. M. F.; Maeda, A. Y.; Guerra, J. M. *Phylogenetic analysis reveals a new introduction of Yellow Fever virus in São Paulo State, Brazil, 2023*. Acta Tropica. Vol. 251, March 2024, <https://doi.org/10.1016/j.actatropica>.

2023.107110. IF: 2.1.

Ferreira-Machado, E.; Conseleiro, J. A.; Bernardes-da-Silva, B.E.; **Matsumoto, P. S. S.** et al. *Naturally Acquired Rabies in White-Eared Opossum, Brazil*. Emerg Infect Dis. 2023;29(12):2541-2545. <https://doi.org/10.3201/eid2912.230373>. IF: 11.8.

Santos, A. L. M.; et al., **Matsumoto, P. S. S.** et al. *Toxoplasmosis in a free-ranging hairy dwarf porcupine (*Sphiggurus spinosus*) with a potential novel genotype*. Transboundary and Emerging Diseases. 2022. <https://doi.org/10.1111/tbed.14487>. IF: 5.005

8. Guimarães, R. B., Catão, R. C., Martinuci, O. S., Pugliesi, E. A., **Matsumoto, P. S. S.** *O raciocínio geográfico e as chaves de leitura da COVID-19 no território brasileiro*. Estudos Avançados. v.34, p.119 - 140, 2020. <https://doi.org/10.1590/s0103-4014.2020.3499.008>. IF: 0.27 **

Conferences

Bush, P., O'Brien, M., Binney, L., Gould, A., & **Matsumoto, P. S. S.** (2025). *The role of science in shaping Nova Scotia's old-growth forest policy*. Paper presented at the 75th Annual Meeting of the Canadian Association of Geographers, May 20–23, Montréal, Canada.

Inácio, L. F., Paizan, V. C., **Matsumoto, P. S. S.**, Batista, K. Z. S., Menezes, L. S. R., Pereira, V. B. R. Avaliação molecular do complexo Mycobacterium tuberculosis em mamíferos silvestres atropelados nas regiões Sul e Sudeste do Brasil. 3º Congresso de Especialidades em Saúde, Coordenadoria de Recursos Humanos da SES/SP.

Aazore, F., **Matsumoto, P. S. S.**, & Van Proosdij, D. (2025). *Assessing coastal hazard vulnerability in Accra: GIS-based hydrological flood risk mapping and implications for nature-based coastal adaptation*. Paper presented at the Association of American Geographers (AAG) Annual Meeting, Mar 2025, Detroit, USA.

Moniruzzaman, M., Islam, G. M. T., Hasan, M. M., **Matsumoto, P. S. S.**, Novak, M., Bush, P., Rahaman, K. R. (2024). *Changes in Nova Scotia forests: Assessing forest gain and loss from 1986 to 2022*. Paper presented at the 45th Canadian Symposium on Remote Sensing, Jun 2024, Halifax, Canada.

Matsumoto, P. S. S., & Nickerson, G. (2025). *Rethinking our maps and history through oral history, Story Maps, and artificial intelligence: Describing Black communities in our own words*. Paper presented at the Black Atlantic Canadian History Conference, Apr 24–25, Dalhousie University, Halifax, Canada.

Matsumoto, P. S. S., & Nickerson, G. (2024). *Black voices, Black stories, Black places! Describing Black communities in our own words*. Paper presented at the Annual Meeting of the Atlantic Association of Geomatics Planning (AAGP), Jun 2024, Dartmouth, NS, Canada.

WORKING PAPERS

Efficacy of 4% deltamethrin against canine visceral leishmaniasis and the sociocultural burden of losing the collars in a Middle-Income country. Submitted to *One Health*. Under review since Mar. 2025.

A literature review of geospatial techniques to detect old-growth forest.

Socioeconomic and environmental impacts of wicked wildfires: A case of Nova Scotia in spring 2023.

AWARDED PROJECTS

Current Projects

Jan. 2025--Jan. 2027: Molecular research of respiratory disease-causing microorganisms of public health importance in samples from wild mammals — São Paulo Research Foundation, Brazil — (Collaborative Project: Saint Mary's University. PI: Richini Pereira, Virginia. Co-applicants: Matsumoto, Patricia; Jimenez-Garcia, Daniel; Fornazari, Felipe; Siqueira, Marques, Roberta; Althoff, Sergio Luiz. Funding: 173,680 BRL)

Mar. 2023--Mar. 2025: Landscape assessment of forest maturity and forest landscape connectivity (Collaborative Project: Saint Mary's University and Nova Scotia Department Natural Resources & Renewables / Forest Division / Research and Planning). Contract: Wicked Problems Lab. Research collaboration. Funding: 44,000.00 CAD.

2023--2025: Black Atlantic Network Geocaching (Collaborative Project: Saint Mary's University and Loyalist Connections). PI: Freeman, Kirrily. Co-applicants: Nickerson, G.; Matsumoto, P.S.S. No funding.

2023--2025: Monitoring infectious diseases potentially emergent and emergent in captive animals and sylvatic life (CNPq [404510/2021-3] - Call CNPq/MCTI/FNDCT N 18/2021 - Group A - Emerging groups) - PI: Guerra, Juliana Mariotti. Co-applicant: Matsumoto, Patricia. Funding: 80,000.00 BRL.

Past Projects

Jan. 2024--Dec. 2024: The International Decade for People of African Descent Community Engagement — SSHRC, Canada — (Collaborative Project: Saint Mary's University. PI: Freeman, Kirrily. Co-applicants: Nickerson, A. J., Graham; Kuwodza, Itai; Downie, L. Gabriel; Matsumoto, Patricia; Funding: 12,825 CAD)

2023--2028: New times, Novel approaches: Spatial and epidemiological patterns of Neglected Diseases in the context of One Health. Call São Paulo Research Foundation - Projeto Geração (grant: 2022/06376-1). PI: Matsumoto, P. S. S. Funding: 455,612.64 BRL + 2 PhDs, 2 Master's, 2 Scientific Initiation, 1 Technical Trainee III, and 1 Technical Trainee IV scholarships. Refused due to personal reasons.

2019--2022: Technological innovations in health for the diagnosis and control of visceral leishmaniasis in the municipality of Bauru, State of São Paulo, Brazil. Call São Paulo Research Foundation - Public Policies (grant: 2018/25889-4) - Co-applicant, Co-investigator. PI: Tolezano, Jose Eduardo. Funding: 220,214.00 BRL + 4,812.00 USD.

SUPERVISION OR COMMITTEE MEMBER

2024--2025: Committee Member: Md Moniruzzaman. Assessing Temporal and Spatial Patterns of Nitrogen Dioxide (NO₂) and Ozone (O₃) Pollutants in Edmonton, Canada. Master of Arts in Geography. Saint Mary's University.

2023--2025: Committee Member: Frank Aazore. Nature-based Coastal adaptation approaches: Assessing stakeholder perception of the barriers and opportunities in Ghana. Master of Arts in Geography. Saint Mary's University.

2023--2025: Co-supervision: Denise Maria Bussoni Bertollo - Ph.D. in Public Health. Title: Genetic diversity of *Leishmania (Leishmania) infantum* isolates in endemic areas of São José do Rio Preto, Brazil. Postgraduate Program in Science of the Disease Control Coordination. Sao Paulo, Brazil. No funding.

2021--2023: Co-supervision: Karla Letícia Seviero Rampazzi - Technical trainee in geotechnologies in health. Title: Data management for spatial analysis in health: geotechnologies as tools to assist in the control of visceral leishmaniasis. Adolfo Lutz Institute. Funding: 11,976.90 BRL.

2021--2022: Co-supervision: João Pedro Pereira Caetano de Lima - Scientific Initiation. Title: COVID-19 spatial diffusion and risk analysis of high vulnerability areas in Presidente Prudente and Botucatu, São Paulo state, Brazil.

Sao Paulo State University. Funding: 9,183.24 BRL.

2018--2020: Co-supervision: Erika Uliam Kuriki - Master's degree. Title: Exploratory spatial analysis of patients of School of Dentistry of USP in the municipality of Bauru-SP, Brazil. Instituto de Saúde. No funding.

SUPERVISION RECOGNITION

2022-Sep. : Análise da distribuição espacial das urgências odontológicas e sua relação com o Sistema Único de Saúde. In: 39th Annual Meeting of the Brazilian Society of Dental Research. Sociedade Brasileira de Pesquisa Odontológica, 2022. (Co-supervisor)

2022-Mar. : Difusão espacial da COVID-19 em Presidente Prudente e Botucatu - São Paulo. Honours Thesis: B.A. in Geography. São Paulo State University. Honors. (Co-supervisor)

INVITED GUEST

2022 - Abrindo a mente: Importância do cão doméstico nos focos de VL - Treinamento: Leishmaniose Visceral Canina nos Municípios da Grande São Paulo. Claro. Online. (Mar. 22, 2022, 1 hour)

2022 - Coletando dados e informações Treinamento dos Profissionais em Vigilância Epidemiológica da Leishmaniose Visceral e Educação em Saúde. Online. (May. 16, 2023, 1 hour)

2021 - Geografia na/para Saúde: Papel do geógrafo (em tempos de pandemia) no XXIII Território Aberto Samira Peduti Kahil, promovido pelo PET Geografia da Unesp - Câmpus de Rio Claro. Online. (Nov. 9, 2021, 4 hours)

COURSES TAUGHT

Summer 2025: BIOL3633/ ENVS/ GEOG/ MARI — Spatial Information and GIS in Ecology: A Practical Introduction — Department of Biology — Dalhousie University, Halifax, Nova Scotia, Canada — In-person — Lectures & Lab — 3 credits

Fall 2024: GEOG3386/5686/GEOL3386 — Concepts in GIS analysis — Department of Geography — Saint Mary's University, Halifax, Nova Scotia, Canada — In-person — Lectures & Lab — 3 credits

Winter 2024: GEOG4496/5696 — Applications in GIS — Department of Geography — Saint Mary's University, Halifax, Nova Scotia, Canada — In-person — Lectures & Lab — 3 credits

2017: Cartography — Cartography Department — São Paulo State University, São Paulo, Brazil — In-person — Lectures - 4h/credit — 60h

TEACHING ASSISTANT

Fall 2024: Workshop on GIS for Health Data Analytics — Master of Business Analytics (MBAN) — Saint Mary's University, Nova Scotia, Canada — In-person — 60 hours

Summer 2024: Spatial Information and GIS in Ecology: A Practical Introduction — Biology Department — Dalhousie University, Nova Scotia, Canada — In-person — 90 hours

Winter 2024: Workshop on GIS for Health Data Analytics — Master of Business Analytics (MBAN) — Saint

Mary's University, Nova Scotia, Canada — In-person — 60 hours

Summer 2023: Spatial Information and GIS in Ecology: A Practical Introduction — Biology Department — Dalhousie University, Nova Scotia, Canada — In-person — 60 hours

2015: Geographic Information Systems — Geography Department — São Paulo State University, São Paulo, Brazil — In-person — 4h/credit — 60h

WORKSHOPS FACILITATED

2024: Workshop: Study Area Maps — Wicked Problems Lab — Saint Mary's University, Nova Scotia, Canada — 90 min.

2024: Workshop: How to Create Story Maps — Wicked Problems Lab — Saint Mary's University, Nova Scotia, Canada — 90 min.

2023: Workshop: Google Earth Pro — Wicked Problems Lab, Ulnoweeg Camp for Indigenous Students — STEAM Session — Saint Mary's University, Nova Scotia, Canada — 40 min.

2023: Workshop: An Introduction to Microsoft Excel — Wicked Problems Lab Fall Spring Sessions — Saint Mary's University, Nova Scotia, Canada — 2.5 hours

2023: Workshop: Introduction to Canva — Wicked Problems Lab Fall Session — Saint Mary's University, Nova Scotia, Canada — 2.5 hours

2018: Workshop: Geocoding Address using Google API — CEGET Research Group Meeting — Presidente Prudente, São Paulo, Brazil — 4 hours

2017: Workshop: Mapping Sugarcane Expansion using Landsat 8 — BioGeos Research Meeting — Unesp, Presidente Prudente, São Paulo, Brazil — 30 hours

2016: Workshop: Organize Your Academic Work — Introduction to Mendeley — III Colloquium of Biography and Health Geography Lab — Unesp, Presidente Prudente, São Paulo, Brazil — 4 hours

2016: Workshop: Introduction to Cartography and ArcGIS 10.3 — II Colloquium of Biography and Health Geography Lab — Unesp, Presidente Prudente, São Paulo, Brazil — 36 hours

2014: Workshop: Classification of Images — Introduction to ENVI — XV Week of Geography — Unesp, Presidente Prudente, São Paulo, Brazil — 8 hours

2012: Workshop: Georeferencing Phenomena and Spatial Analysis — Introduction to ArcView 3.2 and TerraView — XII Week of Statistics — Unesp, Presidente Prudente, São Paulo, Brazil — 8 hours

2011: Workshop: Geocoding Address using ArcView 3.2 — XII Week of Geography — Unesp, Presidente Prudente, São Paulo, Brazil — 4 hours

INVITED LECTURES & PRESENTATIONS

2024: Geoprocessing in Health — Spatial Analysis in Studies and Surveillance of Infectious and Parasitic Diseases — XI Encontro do Instituto Adolfo Lutz 1º Simpósio dos Laboratórios Centrais de Saúde Pública — Round Table on Innovations and Trends in Laboratory Analysis — São Paulo, Brazil — Nov. 4–7

2024: Use of GIS Tools in Public Health — Real Experience and Model Development for Analysis — Contemporary Aspects of Studies on Leishmaniasis in the Context of One Health — Online — Aug. 28

2024: New Times, Novel Approaches — Spatial and Epidemiological Patterns of Neglected Diseases in the Context

of One Health — Graduate Seminar, Department of Parasitology, ICB-USP — Online — Apr. 26

2023: Applications of Mapping — Spatial Dimensions of (Tropical) Diseases — GEOG1100: Global Perspectives on Land and Life — Saint Mary's University, Nova Scotia, Canada — In-person — Sep. 13

2023: Do Like John Snow — Spatial Analysis in Health — III Leishmaniasis Forum of the State of São Paulo — Online — Aug. 9

2022: São Paulo: The Concentrated Region and Its Inequalities — GEOG1100: Global Perspectives on Land and Life — Saint Mary's University, Nova Scotia, Canada — In-person — Oct. 20

2022: Cartography and Health — Are Science, Technology, and Art Enough? — FLG5138: Brazilian Disparities and Identities — University of São Paulo — Online — Sep. 28

2022: Networked Health — Health Geography and Leishmaniasis — II Training on Isolation and Identification of Leishmania spp — Online — Aug. 18

2022: Brazil and Tropical Diseases — Geographical Approaches — Blue Box Talk, Department of Geography — Saint Mary's University — Online — Mar. 23

JOURNAL REVIEWER

Scientific Reports; Health and Place; International Journal of Health Geographics; International Journal of Environmental Research and Public Health; Ciência & Saúde Coletiva; Sociedade e Natureza; Pegada; Hygeia; Caminhos de Geografia; RIAL; Mercator.

ACADEMIC EDITOR

Journal: Plos One (Feb. 2025–current): [Editorial Board](#)

QUANTITATIVE INDICATORS

- | | |
|---------------------------------------|---|
| — <i>Summary of Contributions</i> — | — <i>Summary of Citations</i> — |
| ◇ 02 — Thesis or dissertation; | ◇ 219 — Google Scholar; |
| ◇ 06 — Book chapters; | ◇ 182 — ResearchGate; |
| ◇ 17 — Journal Articles; | — <i>Summary of Supervision</i> — |
| ◇ 35 — Conference Papers; | ◇ 2 — Co-supervision Master's degree or Ph.D.; |
| — <i>Technical Work</i> — | ◇ 2 — Co-supervision Technical Trainee or Scientific Initiation; |
| ◇ 02 — Map or Atlas; | — <i>Summary of Judging Committees</i> — |
| | ◇ 9 — Titles. |

COMMUNITY AND VOLUNTEER ACTIVITIES

2024–current: Caritas Halifax Spiritist Group — Website, Graphics, and Content Production for Social Media Posting, Halifax, NS, Canada.

2013–current: Serving food on Christmas Eve to Homeless and low-income People, Birigui, Brazil.

2020: Mapping COVID-19 cases for local surveillance, Presidente Prudente, Brazil.

2016–2017: Librarian, Livraria Espírita de Presidente Prudente, Presidente Prudente, Brazil.
2013: La limpieza internacional de costas, Playa Boca Herrera, Loíza, Puerto Rico.

OTHER ACADEMIC ACTIVITIES

Postdoctoral Fellow

2020–2023

Adolfo Lutz Institute — IAL/Central-São Paulo, SP, Brazil

Project: Use of geotechnologies in health: spatial analysis of laboratory-based phenomena - Leishmaniasis.

Supervisor: José Eduardo Tolezano, Ph.D. - São Paulo Research Foundation scholarship

Visiting Researcher

2022

Saint Mary's University — SMU, Halifax, NS, Canada

Project: Use of geotechnologies in health: spatial analysis of laboratory-based surveillance phenomena.

Supervisor: Mathew Novak, Ph.D. - São Paulo Research Foundation fellowship

Ph.D. Internship Abroad

2018–2019

Curtin University of Technology — CUT, Perth, WA, Australia

Research Project: Spatial analysis and modeling of visceral leishmaniasis in cities of São Paulo, Brazil.

Supervisor: Archie Clements, Ph.D. - São Paulo Research Foundation scholarship

MA Internship Abroad

2013

Environmental Health — University of Puerto Rico — UPR, San Juan, PR, USA

Research Project: Spatial analysis of American visceral leishmaniasis in Presidente Prudente - Environmental health and geographical approach.

Supervisor: José Seguinot Barbosa, Ph.D. - São Paulo Research Foundation scholarship

Specialization

2012

Spatial Analysis and Geoprocessing in Health — Oswaldo Cruz Foundation — FIOCRUZ, Rio de Janeiro, RJ, Brazil