Ana Júlia da Silva Garcia (she/her)
GARCIA, A. J. S.; GARCIA, Ana Júlia da Silva; GARCIA, A. J. d. S.; GARCIA, A. J. D. S.
Paulistânia, São Paulo, Brazil
ajs.garcia@unesp.br | garciajs@stanford.edu | anajuliasgarcia1@gmail.com
Lattes CV | ORCID | LinkedIn | Academia.Edu | ResearchGate

EDUCATION

Ph.D. in Civil and Environmental Engineering
São Paulo State University (UNESP), Bauru, São Paulo, Brazil | Expected: August, 2029
- Research Focus: Regional and Urban Infrastructure, Environmental Sanitation | Advisor: Prof. Adriano Bressane | CAPES Scholarship

Stanford University, Stanford, California, United States of America | 2026-2027
- Sandwich Period as Visiting Student Researcher (VSR) at Civil and Environmental Engineering (CEE) Program | Advisor: Prof. Khalid Osman | FULBRIGHT Scholarship

M.Sc. in Civil and Environmental Engineering
São Paulo State University (UNESP), Bauru, São Paulo, Brazil | 2023
- Research Focus: Geoenvironmental monitoring and investigation, Geotechnics| Advisor: Prof. Paulo Cesar Lodi | CAPES Scholarship

Specialization in Occupational Safety Engineering
Lins University Center, Lins, São Paulo, Brazil | 2023

B.Sc. in Civil Engineering
Lins University Center, Lins, São Paulo, Brazil | 2020 | ProUni Scholarship

PROFESSIONAL POSITIONS HELD

Visiting Student Researcher
Stanford University, Department of Civil and Environmental Engineering | 2026-Present
- FULBRIGHT Scholarship holder | Full-time research in environmental sanitation

Doctoral Researcher
São Paulo State University (UNESP), Department of Civil and Environmental Engineering | 2024-Present
- CAPES scholarship holder | Full-time research in environmental sanitation

M.Sc. Researcher
São Paulo State University (UNESP), Department of Civil and Environmental Engineering – 2021 - 2023
- CAPES scholarship holder | Full-time research in geoenvironmental investigation

Intern – Road Engineering and Construction Management
Sercal Engenharia Ltda. & Transbrasiliana Concessionária | 2019-2020

SHORT-TERM CERTIFICATE PROGRAMS

Artificial Intelligence at UNESP: Tools and Practical Applications in Teaching, Research, Outreach, Innovation, and Culture with Ethics and Responsibility | 2025-Present
Ph.D. Special Student | 2023-2024
Master's Special Student | 2020
CNA Master in English course, CNA, Brazil | 2011-2015

COURSES TAUGHT AND OTHER SERVICES PROVIDED TO STUDENTS AND THE HOME INSTITUTION

Teaching Practicum, Civil Engineering Undergraduate Program
São Paulo State University (UNESP) | 2021-2022
- Participated in the Teaching Improvement and Support Program for Higher Education. Assisted in lectures and student engagement for the courses:
    - Occupational Health and Safety in Civil Engineering and Building Materials II

Academic Tutor/Facilitator, Undergraduate Programs in Engineering, IT, and Data Science
São Paulo Virtual State University (UNIVESP) | 2021-2022

- Supported student learning and engagement in the following courses: Ergonomics, Research Methods and Knowledge Production, Calculus I, and Business Simulation Games

Academic Monitor – "Transportation Infrastructure I and II"
Lins University Center | 2019

- Courses: Transportation Infrastructure I and II. Held sessions in the classroom and library.

PUBLICATIONS

- Garcia, A. J.; Oliveira, A. E. A. S.; Morgado, E. M.; Soares, M. A. F. Risk Mapping and Management in the Curtain Manufacturing Sector. In: *XXXII SIMPEP*, 2026, Bauru. DOI: https://doi.org/10.29327/18097189.1219359
- Garcia, A. J. S.; Oliveira, A. E. A. S.; Morgado, E. M.; Soares, M. A. F. Risk evaluation of curtain installation activities: case study in a Brazil cenotechnical company. In: *XXXI SIMPEP*, 2025, Bauru. DOI: https://doi.org/10.29327/xxxi_simpep.886119
- Bressane, A.; Garcia, A. J. S.; Castro, M. V.; Xerfan, S. D.; Ruas, G.; Negri, R. G. Fuzzy Machine Learning Applications in Environmental Engineering: Does the Ability to Deal with Uncertainty Really Matter? *Sustainability*, v. 16, p. 1-18, 2024. DOI: **https://doi.org/10.3390/su16114525**
- Bressane, A.; Ferreira, M. E. G.; Garcia, A. J. S.; Medeiros, L. C. C. Is Having Urban Green Space in the Neighborhood Enough to Make a Difference? Insights for Healthier City Design. *International Journal of Environmental Research and Public Health*, v. 21, p. 1-13, 2024. DOI: **https://doi.org/10.3390/ijerph21070937**
- Garcia, A. J. S.; Zaparolli, M. L. N.; Barros, A. M. T. C. Analysis of Paulistânia-SP drainage system efficiency. *Revista Científica ANAP Brasil*, v. 16, p. 123-137, 2023. DOI: https://doi.org/10.17271/19843240163820233767

OTHER PROFESSIONAL ACTIVITIES

Organizer – 11th Symposium of the Graduate Program in Civil and Environmental Engineering
São Paulo State University (UNESP) | 2022

- Collaborated in planning, logistics, and execution of the annual academic symposium
- Supported speaker coordination and event promotion for graduate students and faculty

Participant – II Brazilian Congress on Climate Change and Urban Resilience (2025), IV Online Forum on Education, Environment and Sustainability (2025), 1st Congress on Sustainability and Circular Economy (2024), 3rd FEB Postgraduate Congress (2024), Postgraduate studies in the era of generative artificial intelligence (2024), I Autumn Course in Scientific Writing (2024), III Latin American Congress on Sustainable Development (2024), VII Environmental Health Seminar "Water Safety: Present and Future Vision of Basic Sanitation" (2024)

Reviewer – *eTech – Journal of Industrial Competitiveness Technologies* (2024) | *Journal of Water Resources Planning and Management* (2026-Present)

MEMBERSHIP AND ACTIVITIES IN PROFESSIONAL ASSOCIATIONS

- Member, Brazilian Society for Environmental Engineering and Sanitation (ABES)
- Member, Regional Council of Engineering and Architecture (CREA)

PROFESSIONAL HONORS, AWARDS AND FELLOWSHIPS

- Doctoral Dissertation Research Award (DDRA), FULBRIGHT Brazil | 2026
- Certificate of Recognition, Prof. Aracy Santinho Barberi State School | 2011-2012
- Scholarship holder of:
  - Administrative Development Foundation (FUNDAP) | 2014
  - University for All Program (ProUni) | 2015-2020
  - São Paulo Virtual State University (UNIVESP) | 2021-2022
  - Coordination for the Improvement of Higher Education Personnel (CAPES) | 2022-2023, 2025-Present
  - FULBRIGHT Brazil | 2026-Present

COMMUNITY SERVICE

- Volunteer Librarian Assistant, Prof. Aracy Santinho Barberi School | 2009
- Volunteer Academic Tutor/Facilitator, São Paulo State University (UNIVESP) | 2025-2026