Rogerio Furlan Junior

Auburn, AL 36830
865-384-0297 | rof0007@auburn.edu | furlanjr.stz@gmail.com

EDUCATION

Auburn University, Auburn, AL *Jan. 2026-Present*
Doctoral Student in Crop, Soil, and Environmental Sciences (Weed Science)
Dissertation: Aminopyralid and Picloram in Forage Systems
Expected Graduation: Spring 2029

University of Tennessee, Knoxville, TN *Aug. 2023-Dec. 2025*
Master of Science in Plant Sciences
Thesis: *Strategies for Managing Glyphosate-Resistant Palmer Amaranth in Roundup Ready® Alfalfa.*
Chapter I: Optimizing alfalfa establishment in the presence of glyphosate-resistant Palmer Amaranth: boron fertilization and herbicide strategies
Chapter II: Assessment of Herbicide Efficacy and Alfalfa Injury in the Management of Glyphosate-Resistant Palmer Amaranth

University of Sao Paulo, ESALQ - USP *Feb. 2018-July 2023*
Bachelor of Science in Agronomic Engineering
Major in Animal Sciences
Thesis: Forage accumulation, root biomass, and canopy architecture of two species of perennial peanut managed under contrasting defoliation intensities *(Written in English*)

PROFESSIONAL POSITIONS

Auburn University **Graduate Research Assistant**
Auburn, Alabama *Jan. 2026-Present*
- Full-time PhD student conducting independent and privately funded side research; responsible for data collection and processing; contributed to field days and farm visits; authored extension publications; delivered presentations at field events, and assisted with broader extension activities

University of Tennessee **Graduate Research and Teaching Assistant**
Knoxville, Tennessee *Aug. 2023-Dec. 2025*
- Full-time MS student conducting independent and privately funded side research; responsible for data collection and processing; contributed to field days and farm visits; authored extension publications; delivered presentations at field events, and assisted with broader extension activities

Clemson University **Temporary Forage Technician**
Blackville, South Carolina *Jan-Jun. 2023*
- Lab and Field Technician involved in data collection and analysis (e.g., field data collection and processing), co-author in technical releases and reports, and active staff member during field days

University of Sao Paulo **Undergraduate Research Assistant**
Piracicaba, Sao Paulo, Brazil *Mar. 2020-Dec 2022*
- Coordinator responsible for people management, field activity coordination, and resource/supply management; conducted live streams with professors and researchers in Forage and Grazing Management (@gp2_esalq on Instagram); knowledgeable in agronomic pasture evaluation methods; experienced in data collection and analysis (e.g., field data collection and processing)

University of Sao Paulo **Undergraduate Research Assistant**
Piracicaba, Sao Paulo, Brazil *Nov. 2018-Dec. 2019*
- Assisted with field and laboratory work; attended the 8th Symposium on Fish Health and Nutrition

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AREAS OF SPECIALIZATION

Forage crop science; plant responses to defoliation; integration of forage legumes in grazing systems; weed management in pastures and hayfields. Current focus on expanding expertise in weed science, with an emphasis on integrated control strategies for forage-based systems.

PEER-REVIEWED EXTENSION PUBLICATIONS

1. **Furlan, R.,** Pedreira, B. 2024. UT Extension: Weed Control Strategies to Maximize Cool-Season Pasture Productivity. Knoxville, TN.
2. **Furlan, R.,** Pedreira, B., Steckel, L., Wright-Smith, H. 2025. UT Extension: Johnsongrass in Forage Systems: Control, Risks, and Benefits. Knoxville, TN.
3. **Furlan, R.,** Pedreira, B., Steckel, L., Wright-Smith, H. 2026. UT Extension: Targeting Buttercups, Plantain, and Thistles in Cool-Season Pastures. Knoxville, TN.
4. **Furlan, R.,** Pedreira, B. 2025. UT Extension: Maximizing Grazing Days with Seasonal Forage Planning. Knoxville, TN.
5. **Furlan, R.,** Pedreira, B., Steckel, L., Wright-Smith, H. 2026. UT Extension: Targeting Horsenettle, Cocklebur, and Pigweeds in Cool-Season Pastures. Knoxville, TN.
6. **Furlan, R.,** Russell, D., Burch, L., Dillard, L. 2026. Alabama Extension: Johnsongrass: Two Sides of a Coin. Auburn, AL. (*in preparation*)

SCIENTIFIC PUBLICATIONS

1. Maranhão, T.D., Gomes, F.J., Yasuoka, J.I., Pedreira, B.C., Bosi, C., Santos, P.M., **Furlan, R**., and Pedreira, C.G.S. (2025), Physiological and Canopy Traits of Two Perennial *Arachis* Species in Response to Clipping Height. Grass Forage Sci, https://doi.org/10.1111/gfs.12721
2. **Furlan, R.,** Steckel, L., Mueller, T. C., Oakes, R. N., Pedreira, B. C. Optimizing alfalfa establishment in the presence of glyphosate-resistant Palmer amaranth: Boron fertilization and herbicide strategies**.** *Manuscript submitted to Crop Science*.
3. **Furlan, R.,** Pedreira, B. C., Steckel, L., Mueller, T. C. Assessment of Herbicide Efficacy and Alfalfa Injury in the Management of Glyphosate-Resistant Palmer Amaranth. *Accepted and under review on Weed Technology.*
4. **Furlan, R.**, Pedreira, B. C., Wright-Smith, H. Effects of Summer Weed Control on Late Spring and Summer Weeds in Tall Fescue Hayfields. *Published at the Journal of NACAA.*
5. **Furlan, R.,** Steckel, L., Mueller, T. C., Oakes, R. N., Pedreira, B. C. The Emerging Challenge of Glyphosate-Resistant Palmer Amaranth in RoundUp Ready Alfalfa. *Accepted in press at Nativa* (ISSN 2318-7670)

MANUSCRIPTS

1. Russell, D., **Furlan, R.** 2026. Alabama Extension: Timely Management Options for Yellow Foxtail and Other Weedy Grasses. Auburn, AL.
2. **Furlan, R.**, Russell, D. 2026. Alabama Extension (Internal): Forage Weed Control Guide for Alabama Extension Agents. Auburn, AL.
3. **Furlan, R.,** Russell, D. 2026. Alabama Cattlemen's Association Magazine: Last Call: Controlling Buttercups Before Bloom.
4. **Furlan, R.,** Burch, L. P., Russell, D. 2026. Alabama Cattlemen's Association Magazine: Broomsedge Biology and Management

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RESEARCH PROJECTS

Effects of Summer Weed Control on Late Spring and Summer Weeds in Tall Fescue Pastures
Co-Principal Investigator
Funded by Alligare, LLC — 2025
Industry-funded field research evaluating summer herbicide programs for the control of late spring and summer weeds in tall fescue pastures

TEACHING/EXTENSION EDUCATION EXPERIENCE

Tennessee Master Forage – Forage Tour *Aug. 2025*
Session Leader

Northeast Tennessee Beef Expo *Oct. 2024*
Speaker

PLSC 493/593: Sustainable Strategies for Forage and Livestock Production *Aug.-Dec 2024*
Joint creator and co-instructor, developed in collaboration with P.I.

Tennessee 4-H Academic Conference *June 2025*
Lesson and Activity Presenter

UT Beef & Forage Center LiveStock Companium *Nov. 2024*
Article Writer

PLSC 330: Plant Propagation *Jan.-May 2024*
Graduate Teaching Assistant

PLSC 415: Agroecology *Aug.-Dec 2024*
Graduate Teaching Assistant

LZT 547: Planning and Development of Ruminant Production Systems *Aug.-Dec 2023*
Teaching Assistant

PROFESSIONAL DEVELOPMENT

University of Tennessee Beef and Forage Center Annual Meeting *Oct. 2024*

SWSS Student Weed Contest *Aug 2025*

US Beef Academy NMSU, Corona, NM *May 2024*

AFGC Forage Bowl Coach *Jan 2024*

30th Grazing Management Symposium ESALQ/FEALQ *Sep 2023*

Auburn University Forage Basics *Oct. 2023*

UT Plant Sciences Graduate Student Association *May 2024-May 2025*

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PROFESSIONAL ORGANIZATIONS

Southern Weed Science Society *Oct. 2024-Present*

Crop Science Society of America *Nov. 2023-Present*

Gamma Sigma Delta *Nov. 2023-Present*

GRANTS AND SCHOLARSHIPS

UT Graduate Student Senate Travel Award *Jan. 2025*

University of Sao Paulo Undergraduate Research Scholarship *Aug. 2020-Aug. 2021*

University of Sao Paulo Undergraduate Research Scholarship *Aug. 2021-Aug. 2022*

ABSTRACTS/PRESENTATIONS

1. **Strategies for Managing Glyphosate-Resistant Palmer Amaranth in Roundup Ready® Alfalfa**. 2025 SWSS Charleston, SC. *Graduate Student Oral Competition*

2. **Optimizing Forage Yield and Weed Control: The Effects of Boron Fertilization and Herbicide Use in Roundup Ready® Alfalfa**. 2025 AFGC Orlando, FL. *Emerging Scientist Oral Competition*

3. **Furlan, R.**, Mueller. T. C., Oakes, R. N., Steckel, L.E., Pedreira, B. C. Evaluating boron fertilization and herbicide management on forage accumulation and weed control in Roundup Ready alfalfa. 2024 ASA-CSSA-SSSA, San Antonio, TX. *Graduate poster competition*

4. Pedreira, C.G.S., Maranhao, T.D., **Furlan, R.**, Cavalcante, P.H.M., Botechia, G.C., Santos, L.P.G. Physiological parameters of rhizoma and pinto peanut as affected by defoliation intensity in a humid tropical environment. 2024 ASA-CSSA-SSSA, San Antonio, TX.

5. **Furlan, R**., Mueller. T. C., Oakes, R. N., Steckel, L.E., Pedreira, B. C. Facing glyphosate-resistant palmer amaranth in alfalfa hayfields combining boron and herbicide management. 2024 AFGC, Mobile, AL.

6. **Furlan, R**., Yasuoka, J. I., Pedreira, B. C., Coelho, R. M. Estimating forage mass and canopy height using ultrasonic sensors on tall fescue pastures. 2023 ASA-CSSA-SSSA, St. Louis, MO.

7. **Furlan, R.,** Maranhao, T. D., D'Souza, I., Pedreira, C. G. S. Forage accumulation and morphological composition of the canopy of two forage peanut species subjected to two defoliation intensities. 30th International Undergraduate Research Symposium, University of São Paulo, 2022. Piracicaba, Sao Paulo, Brazil.

8. **Furlan Junior, R.**, Maranhao, T.D., Yasuoka, J. I., Pedreira, C. G. S. Agronomic responses of two forage peanut species to defoliation management. 29th International Undergraduate Research Symposium, University of Sao Paulo, 2021. Piracicaba, Sao Paulo, Brazil.

9. Silva, L., Beer, B., **Furlan, R**., Adkinson, J., Seavey, K. Evaluation of cool-season forage species as a decision tool for forage and livestock producers in South Carolina. 2024 National Association of County Agricultural Agents Conference.

10. **Bringing alfalfa back to Tennessee: Importance of Fall weed control on spring forage accumulation.** *Only MS international student to compete at the 2024 UT Plant Sciences Graduate Student Competition*

11. **Evaluating alfalfa establishment with boron-herbicide interactions facing glyphosate-resistant Palmer amaranth**. *Only MS international student to compete and 4th Place at the 2023 UT Plant Sciences Graduate Student Competition*