Curriculum Vitae – Rouverson Pereira da Silva

Short biography

Rouverson Pereira da Silva is an Agricultural Engineer from the Federal University of Lavras (1990), with a Master's degree in Mechanical Engineering from the Federal University of Uberlândia (1995), a Ph.D. in Agronomy (Plant Production) from the São Paulo State University (2002), and a postdoctoral degree from the University of Georgia (2017). He currently serves as an Adjunct Professor III at São Paulo State University, Jaboticabal Campus, and holds the position of Executive Director of the Latin American and Caribbean Association of Agricultural Engineering, as well as the Director of International Relations at the Brazilian Association of Agricultural Engineers, and is a Board Member of the Brazilian Association of Agricultural Engineering. Throughout his career, he has authored 206 papers in scientific journals, 10 books, and 38 book chapters. He has also presented more than 600 communications in conference proceedings and technical journals and has actively participated in numerous scientific events both in Brazil and abroad. His supervision includes 6 post-doctorate supervisions, 27 doctoral theses, 34 master's dissertations, and over 160 scientific initiation and course completion works in the fields of Agricultural Engineering and Agronomy. Rouverson Pereira da Silva is an ad hoc consultant for several scientific journals and specializes in Agricultural Engineering, particularly in Agricultural Machinery and Mechanization, as well as Digital and Precision Agriculture. His research focuses on various topics, including Mechanized Harvest Systems (coffee, sugarcane, peanuts, and cereals), Digital Agriculture, Precision Agriculture, and Quality Control in Mechanized Agricultural Operations. He is recognized as one of the pioneers in peanut harvesting research in Brazil. Furthermore, he is a member of the Brazilian Committees for Precision and Digital Agriculture, Evaluation of the Award Tractor of the Year, and Evaluation of the Award Machine of the Year. Overall, Rouverson Pereira da Silva has made significant contributions to the field of Agricultural Engineering, with a wealth of publications, supervisory roles, and active participation in scientific communities both nationally and internationally.

Personal Information

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Formal Education/Degree

2001 – 2002	Ph.D. in Agronomy (Plant Production) São Paulo State University, UNESP, Brazil.
Advisor:	José Eduardo Corá
Major Area / Area:	Agrarian Sciences / Agricultural Engineering

1991 - 1995	Master´s in Engenharia Mecânica Federal University of Uberlândia, UFU, Brazil.
Advisor:	Henner Alberto Gomide
Major Area / Área / Subarea / Specialty:	Engineering / Mechanical Engineering / Solid Mechanics / Stress Analysis
1985 – 1990	Graduation in Agricultural Engineering Federal University of Lavras, UFLA, Brazil.

Postdoctorate and Habilitation

2010	Habilitation in Agricultural Mechanization São Paulo State University, UNESP, Brazil.
2017	Postdoctorate University of Georgia, UGA, United States.
Major Area:	Agrarian Sciences

Professional history

Beginning	Ending	Position	Institution
June/2013	May/2021	Coordinator of the Graduate Program in Agronomy (Plant Production)	UNESP
August/2012	Current	Member of the Brazilian Commission on Precision and Digital Agriculture – CBPAD	CBPAD
August /2011	May/2013	Head of the Department of Rural Engineering	UNESP
June/2010	May/2013	Deputy Coordinator of the Graduate Program in Agronomy (Plant Production)	UNESP
August /2009	July/2011	Deputy Head of the Department of Rural Engineering	UNESP
May/2000	January/2002	Director of the Agricultural Engineering Course	University of Uberaba
February/2002	December/2003	Coordinator of the Agronomy Course	Associated Colleges of Uberaba

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4. MOREIRA, BRUNO RAFAEL DE ALMEIDA ; CRUZ, VICTOR HUGO ; BARBOSA JUNIOR, MARCELO RODRIGUES ; LOPES, PAULO RENATO MATOS ; SILVA, Rouverson Pereira da . Fuel-flexible biomass off-gassing: The impact of antioxidant spent coffee grains on emissions of CO2, CO, CH4, and VOCs, physical deposits, and combustion in wood pellets. INDUSTRIAL CROPS AND PRODUCTS, v. 208, p. 117748, 2024.

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7. WATSON-HERNÁNDEZ, FERNANDO ; SERRANO-NÚÑEZ, VALERIA ; GÓMEZ-CALDERÓN, NATALIA ; Pereira Da Silva, Rouverson . Quantification and Evaluation of Water Requirements of Oil Palm Cultivation for Different Climate Change Scenarios in the Central Pacific of Costa Rica Using APSIM. Agronomy-Basel, v. 13, p. 19, 2023.

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9. DE OLIVEIRA, MATHEUS PEREIRA DE ; CARDOSO, PAULO HENRIQUE ; OLIVEIRA, ROMÁRIO PORTO DE ; BARBOSA JÚNIOR, MARCELO RODRIGUES ; DA SILVA, ROUVERSON PEREIRA . Mapping Gaps in Sugarcane Fields Using UAV-RTK Platform. AGRICULTURE, v. 13, p. 1241, 2023.

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16. MOREIRA, BRUNO RAFAEL DE ALMEIDA ; CRUZ, VICTOR HUGO ; JUNIOR, MARCELO RODRIGUES BARBOSA ; LOPES, PAULO RENATO MATOS ; SILVA, Rouverson Pereira da . Biomass off-gassing: A mini-review and meta-analysis aspiring to inspire future research and innovation in solid biofuels for safety-sensitive and environmentally responsible residential and industrial applications. INDUSTRIAL CROPS AND PRODUCTS, v. 205, p. 117508, 2023.

17. CARNEIRO, FRANCIELE MORLIN ; FILHO, ARMANDO LOPES DE BRITO ; FERREIRA, FRANCIELLE MORELLI ; JUNIOR, GETULIO DE FREITAS SEBEN ; BRANDÃO, ZIANY NEIVA ; DA SILVA, ROUVERSON PEREIRA ; SHIRATSUCHI, LUCIANO SHOZO . Soil and satellite remote sensing variables importance using machine learning to predict cotton yield. Smart Agricultural Technology, v. 5, p. 100292, 2023.

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23. BARBOSA JÚNIOR, MARCELO RODRIGUES ; MOREIRA, BRUNO RAFAEL DE ALMEIDA ; BRITO FILHO, ARMANDO LOPES DE ; TEDESCO, DANILO ; SHIRATSUCHI, LUCIANO SHOZO ; SILVA, Rouverson Pereira da . UAVs to Monitor and Manage Sugarcane: Integrative Review. Agronomy-Basel, v. 12, p. 661, 2022.

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25. WATSON-HERNÁNDEZ, FERNANDO ; GÓMEZ-CALDERÓN, NATALIA ; DA SILVA, ROUVERSON PEREIRA . Oil Palm Yield Estimation Based on Vegetation and Humidity Indices Generated from Satellite Images and Machine Learning Techniques. AgriEngineering, v. 4, p. 279-291, 2022.

26. BARBOSA JÚNIOR, MARCELO RODRIGUES ; TEDESCO, DANILO ; CARREIRA, VINICIUS DOS SANTOS ; PINTO, ANTONIO ALVES ; MOREIRA, BRUNO RAFAEL DE ALMEIDA ; SHIRATSUCHI, LUCIANO SHOZO ; ZERBATO,

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29. DE ALMEIDA MOREIRA, BRUNO RAFAEL ; BARBOSA JÚNIOR, MARCELO RODRIGUES ; DE BRITO FILHO, ARMANDO LOPES ; DA SILVA, ROUVERSON PEREIRA . Production of high-quality biogenic fuels by co-pelletization of sugarcane bagasse with pinewood sawdust and peanut shell. BIOMASS CONVERSION AND BIOREFINERY, v. 1, p. 1, 2022.

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33. MOREIRA, BRUNO RAFAEL DE ALMEIDA ; CRUZ, VICTOR HUGO ; BARBOSA JÚNIOR, MARCELO RODRIGUES ; MENESES, MARIANA DIAS ; LOPES, PAULO RENATO MATOS ; DA SILVA, ROUVERSON PEREIRA . Agro-residual biomass and disposable protective face mask: a merger for converting waste to plastic-fiber fuel via an integrative carbonization-pelletization framework. BIOMASS CONVERSION AND BIOREFINERY, v. 12, p. 1, 2022.

34. DE SOUZA, ANTONIA ERICA SANTOS ; BARBOSA JÚNIOR, MARCELO RODRIGUES ; MOREIRA, BRUNO RAFAEL DE ALMEIDA ; DA SILVA, ROUVERSON PEREIRA ; LEMOS, LEANDRO BORGES . UAV Multispectral

Data: A Reliable Approach for Managing Phosphate-Solubilizing Bacteria in Common Bean. Agronomy-Basel, v. 12, p. 2284, 2022.

35. STRINI PAIXÃO, CARLA SEGATTO ; VOLTARELLI, MURILO APERECIDO ; COSTA SOUZA, JARLYSON BRUNNO ; DE BRITO FILHO, ARMANDO LOPES ; SILVA, Rouverson Pereira da . Loss sampling methods for soybean mechanical harvest. Bioscience Journal, v. 38, p. e38050, 2022.

36. SANTOS, LETÍCIA BERNABÉ ; BASTOS, LEONARDO MENDES ; DE OLIVEIRA, MAILSON FREIRE ; SOARES, PEDRO LUIZ MARTINS ; CIAMPITTI, IGNACIO ANTONIO ; DA SILVA, ROUVERSON PEREIRA . Identifying Nematode Damage on Soybean through Remote Sensing and Machine Learning Techniques. Agronomy-Basel, v. 12, p. 2404, 2022.

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Patents

Ferezin, E.; Silva, R. P. Improvement in starter and inverter equipment for peanut cultivation. 2015, Brazil. Patent: Privilege of Innovation. Registration number INPI: BR 10 2015 005370 3, Funding Institution: AUIN/UNESP.

Gírio, L. A. S.; Silva, R. P. Standard methodology for the evaluation of concussions to sugarcane ratoons. 2021, Brazil. Patent: Privilege of Innovation. Registration number INPI: BR 10 2021 002016 4.
Funding Institution: AUIN/UNESP.

Lecture

Development of a smartphone application for estimate peanuts harvesting losses. In: Precision Ag. Planter Clinic Event, November 30th. E.V. Smith Research Center Conference Facility. Shorter, Alabama-EUA, 2017.

Academic Advisory - current

Master's Thesis

1. Breno dos Santos Silva. Selective and intelligent mechanized harvesting in coffee farming. Begin: 2023. Thesis (Master's in Agronomy (Plant Production)) - Faculdade de Ciências Agrárias e Veterinárias, Coordenação de Aperfeiçoamento de Pessoal de Nível Superior – Brasil (CAPES) – Finance Code 001. (Advisor).

2. Thiago Caio Moura Oliveira. Estimation of peanut maturity using remote sensing and artificial neural networks. Begin: 2023. Thesis (Master's in Agronomia (Ciência do Solo)) - Faculdade de Ciências Agrárias e Veterinárias, Coordenação de Aperfeiçoamento de Pessoal de Nível Superior – Brasil (CAPES) – Finance Code 001. (Advisor).

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São Paulo State University

Ph.D. Dissertation

1. Igor Cristian de Oliveira Vieira. Multilevel remote sensing for intelligent mechanized harvesting in coffee cultivation. Begin: 2023. Dissertation (Ph.D. in Agronomy (Plant Production)) - UNESP, Coordenação de Aperfeiçoamento de Pessoal de Nível Superior – Brasil (CAPES) – Finance Code 001 – Brasil (CAPES) – Finance Code 001. (Advisor).

2. Rosemary Elizabeth Gay. Peanut powerhouses: The promises and pitfalls of inter-American scientific collaboration. Begin: 2023. Dissertation (Ph.D. in Anthropology) – North Carolina University, Fulbright Brasil. (Co-Counsellor).

3. Marcelo Odorizzi de Campos. Modeling atmospheric CO2 under degraded and managed pastures in Brazilian biomes. Begin: 2023. Dissertation (Ph.D. in Agronomy (Plant Production)) - UNESP. (Advisor).

4. Vinicius dos Santos Carreira. Framework for high-resolution remote sensing in tomato farming using minicomputer and cloud computing. Begin: 2023. Dissertation (Ph.D. in Agronomy (Plant Production)) – UNESP, The São Paulo Research Foundation - FAPESP. (Advisor).

5. Armando Lopes de Brito Filho. Deep learning image processing for estimating peanut harvest losses. Begin: 2023. Dissertation (Ph.D. in Agronomy (Plant Production)) - UNESP, Coordenação de Aperfeiçoamento de Pessoal de Nível Superior – Brasil (CAPES) – Finance Code 001. (Advisor).

6. Edward Victor Aleixo. Begin: 2022. Operational and energy performance of tractors in coffee operations as a function of the construction types of agricultural tires. Begin: 2022. Dissertation (Ph.D. in Agronomia (Soil Science)) - UNESP. (Advisor).

7. Jarlyson Brunno Costa Souza. Peanut productivity estimation using remote sensing and artificial intelligence tools. Begin: 2021. Dissertation (Ph.D. in Agronomy (Plant Production)) - UNESP, Coordenação de Aperfeiçoamento de Pessoal de Nível Superior – Brasil (CAPES) – Finance Code 001. (Advisor).

Scientific Initiation

1. Kristhian Bender Jaeguer. Losses in mechanized sorghum harvesting. Begin: 2023. Dissertation (Graduation in Agronomy) - UNESP. (Advisor).

2. Caio Eduardo Lavanholli Ibanha. Low-cost method for radiometric calibration of multispectral aerial images. Begin: 2023. Scientific Initiation (Undergraduate Student in Agronomy) - UNESP, National Council for Scientific and Technological Development (CNPq). (Advisor).

2. Gabriel Pereira Costa. Application of machine learning and remote sensing algorithms in predicting peanut harvest losses. Begin: 2023. Scientific Initiation (Undergraduate Student in Agronomy) – UNESP, The São Paulo Research Foundation - FAPESP. (Advisor).

3. Bruno Ripa Baptista. High-resolution remote sensing for potato crop monitoring. Begin: 2023. Scientific Initiation (Undergraduate Student in Agronomy) – UNESP, The São Paulo Research Foundation - FAPESP. (Advisor).

4. Rafael Cavichioli
The São Paulo Research Foundation - FAPESP

Academic Advisory - concluded

Master's Thesis

1. Paulo Henrique Cardoso. Machine Learning and Image Data: Qualitative Predictive Analytics for Sugarcane. Begin: 2023. Dissertation (Master's in Agronomy (Plant Production)) - UNESP. (Advisor).

2. Mariana Dias Meneses. Coffee classification according to its detachment force: a decision tree-based approach. 2023. Thesis - UNESP, Coordenação de Aperfeiçoamento de Pessoal de Nível Superior – Brasil (CAPES) – Finance Code 001. Advisor.

3. Vinicius dos Santos Carreira. Smartphone image-based methods for quick, non-invasive assessments in agriculture. 2022. Thesis - UNESP, National Council for Scientific and Technological Development (CNPq). Advisor.

4. Bruno Rocca de Oliveira. Do the sunlight and aggressiveness of coffee harvest can affect the quality operation?. 2021. Thesis - UNESP, National Council for Scientific and Technological Development (CNPq). Advisor.

5. Armando Lopes de Brito Filho. Operational quality of machanized peanut collection in three soil tillage systems. 2021. Thesis - UNESP, Coordenação de Aperfeiçoamento de Pessoal de Nível Superior – Brasil (CAPES) – Finance Code 001. Advisor.

6. Jarlyson Brunno Costa Souza. Digital agriculture techniques to predict peanut ripening. 2021. Thesis - UNESP, Coordenação de Aperfeiçoamento de Pessoal de Nível Superior – Brasil (CAPES) – Finance Code 001. Advisor.

7. Antonio Maurício Loureiro Júnior. Is it possible to detect in the field fragments of invisible losses in mechanized sugarcane harvesting?. 2021. Thesis - UNESP. Advisor.

8. Rafael Rodrigues Feih. Application of convolutional neural networks to measure slippage in agricultural tractors. 2021. Thesis - UNESP. Advisor.

9. Alex Rangel Gonzaga. Evaluation of agricultural tractors for spraying in citrus culture. 2020. Thesis - UNESP, National Council for Scientific and Technological Development (CNPq). Advisor.

10. Caio Cesar Donadon. Methodology for identification and elimination of special causes in performance charts. 2020. Thesis - UNESP. Advisor.

11. Leticia Bernabé Santos. Is it possible to detect nematodes in soybean (glycine max l.) using remote sensing?. 2020. Thesis - UNESP, Coordenação de Aperfeiçoamento de Pessoal de Nível Superior – Brasil (CAPES) – Finance Code 001. Advisor.

12. Danilo Tedesco de Oliveira. An intelligent system that forecasting the cotton yield in commercial fields images. 2019. Thesis - UNESP, Coordenação de Aperfeiçoamento de Pessoal de Nível Superior – Brasil (CAPES) – Finance Code 001. Advisor.

13. Leonardo Bernache. Wear of the basal cutting blades: effect on the harvesting and regrowth of the sugarcane. 2018. Thesis - UNESP, Coordenação de Aperfeiçoamento de Pessoal de Nível Superior – Brasil (CAPES) – Finance Code 001. Advisor.

14. Luan Pereira de Oliveira. Mechanical harvesting of sugarcane: the wear of the knives as a reducing agent of the quality of the basal cut. 2018. Thesis - UNESP, National Council for Scientific and Technological Development (CNPq). Advisor.

15. Matheus Anaan de Paula Borba. Time and movements in mechanized peanut harvesting according to the shape of the plots. 2018. Thesis - UNESP, Coordenação de Aperfeiçoamento de Pessoal de Nível Superior – Brasil (CAPES) – Finance Code 001. Advisor.

16. Maiara Pusch. Soil compaction and soybean yield in tillage systems. 2018. Thesis - Universidade Federal da Grande Dourados, Coordenação de Aperfeiçoamento de Pessoal de Nível Superior – Brasil (CAPES) – Finance Code 001. Co-Advisor.

17. Elizabeth Haruna Kazama. Losses in the mechanized cotton harvesting in spatial variability and harvesting speeds function. 2016. Thesis - UNESP, Coordenação de Aperfeiçoamento de Pessoal de Nível Superior – Brasil (CAPES) – Finance Code 001. Advisor.

18. Tiago de Oliviera Tavares. Mechanized ghatering of coffee in function of the soil management function and the declivity. 2016. Thesis - UNESP, Coordenação de Aperfeiçoamento de Pessoal de Nível Superior – Brasil (CAPES) – Finance Code 001. Advisor.

19. Adão Felipe dos Santos. Quality of mechanized farming operations in the peanut crop with the use of automatic guidance. 2016. Thesis - UNESP, Coordenação de Aperfeiçoamento de Pessoal de Nível Superior – Brasil (CAPES) – Finance Code 001. Advisor.

20. Lucas Villela Rosa. Sugarcane harvester performance as a function of engine load profile. 2015. Thesis - UNESP,. Advisor.

21. Luiz Augusto de Souza Nardo. Scenario analysis to aid decision-making in the mechanized planting of sugarcane. 2015. Thesis - UNESP. Advisor.

22. Carla Segatto Strini Paixão. Times, movements and quality of soybean mechanical harvesting operation depending on the format of the plots. 2015. Thesis - UNESP, Coordenação de Aperfeiçoamento de Pessoal de Nível Superior – Brasil (CAPES) – Finance Code 001. Advisor.

23. Franciele Morlin Carneiro. Mechanical application of n-p-k individualized in the culture of sugarcane. 2015. Thesis - UNESP, Coordenação de Aperfeiçoamento de Pessoal de Nível Superior – Brasil (CAPES) – Finance Code 001. Co-Advisor.

24. Urbano Teixeira Guimarães e Silva. Effect of the tillage system on some soil physical properties and soybean crop. 2015. Thesis - Universidade Federal de Viçosa, Campus de Rio Paranaíba. Co-Advisor.

25. Luma Stefania Torres. Statistical process control applied to the monitoring of losses in mechanized harvesting of sugarcane. 2014. Thesis - UNESP. Advisor.

26. Murilo Aparecido Voltarelli. Quality of the operation of sugarcane mechanized planting in the day and night shifts. 2013. Thesis - UNESP, National Council for Scientific and Technological Development (CNPq). Advisor.

27. Diego Onofre Vidal. Operating performance of soil tillage systems for transplanting citrus. 2013. Thesis - UNESP,. Advisor.

28. Rafael Henrique de Freitas Noronha. Quality of operation of mechanized planting of sugarcane in the meiosi system. 2012. Thesis - UNESP, National Council for Scientific and Technological Development (CNPq). Advisor.

29. Marcelo Tufaile Cassia. Quality of mechanized harvest of coffee in circularplanting under center pivot. 2012. Thesis - UNESP, Coordenação de Aperfeiçoamento de Pessoal de Nível Superior – Brasil (CAPES) – Finance Code 001. Advisor.

30. Rafael Scabello Bertonha. Variability of losses in the peanut mechanized digging: case study. 2011. Thesis - UNESP (Unesp), National Council for Scientific and Technological Development (CNPq). Advisor.

31. Edvaldo Pereira dos Santos. Use of statistical analysis in evaluating of mechanical digging of peanuts. 2011. Thesis - UNESP, Coordenação de Aperfeiçoamento de Pessoal de Nível Superior – Brasil (CAPES) – Finance Code 001. Advisor.

32. Ronaldo Rosa Simões. Statistical control applied to the peanuts harvesting process. 2009. 0 f. Thesis (Master's in Agronomy) - Universidade Estadual Paulista Júlio de Mesquita Filho, National Council for Scientific and Technological Development (CNPq). Advisor.

33. Ivan Cardoso Ferreira. Diagnosis of harvesting and processing of seed cotton in the southern region of Goias, Brazil. 2009. 0 f. Thesis (Master's in Agronomy) - Universidade Estadual Paulista Júlio de Mesquita Filho, National Council for Scientific and Technological Development (CNPq). Advisor.

34. Leandra Matos Barroso. Mechanized harvesting and quality seed losses of peanuts (Arachis hypogeaea L.). 2009. Thesis - UNESP, Coordenação de Aperfeiçoamento de Pessoal de Nível Superior – Brasil (CAPES) – Finance Code 001. Co-Advisor.

Ph.D. thesis

1. Marcelo Rodrigues Barbosa Júnior. UAV imaging and machine learning: a fusion that drives biophysical modeling of saccharine and bioenergy feedstocks in sugarcane. Begin: 2023. Dissertation (Ph.D. in Agronomy (Plant Production)) - UNESP, Coordenação de Aperfeiçoamento de Pessoal de Nível Superior – Brasil (CAPES) – Finance Code 001 / The São Paulo Research Foundation – FAPESP. (Advisor).

2. Bruno Rafael de Almeida Moreira. Valorizing by-products from crop harvesting into antioxidants to control pellet off-gassing. 2023. Thesis - UNESP, Coordenação de Aperfeiçoamento de Pessoal de Nível Superior – Brasil (CAPES) – Finance Code 001. Advisor.

3. Francielle Morelli Ferreira. Machine learning in yield prediction and fiber quality mapping in commercial cotton fields. 2022. Thesis - UNESP. Advisor.

4. Samira Luns Hatum de Almeida. Remote sensing applied to the SAFER model in the estimation of biophysical parameters of crops. 2022. Thesis - UNESP, Coordenação de Aperfeiçoamento de Pessoal de Nível Superior – Brasil (CAPES) – Finance Code 001. Advisor.

5. Danilo Tedesco de Oliveira. Don't forget the below-ground crops: introducing sweet potatoes into the concept of digital agriculture. 2021. Thesis - UNESP, Coordenação de Aperfeiçoamento de Pessoal de Nível Superior – Brasil (CAPES) – Finance Code 001. Advisor.

6. Mailson Freire de Oliveira. Forecasting and estimating crop variables using levels and forms of remote sensing and machine learning techniques. 2021. Thesis - UNESP, National Council for Scientific and Technological Development (CNPq). Advisor.

7. Luan Pereira de Oliveira. Quality of sowing of cotton, corn and soybean crops under the action of downward forces in line. 2021. Thesis - UNESP, Coordenação de Aperfeiçoamento de Pessoal de Nível Superior – Brasil (CAPES) – Finance Code 001. Advisor.

8. João de Deus Godinho Júnior. Does day time influence the efficiency of the mechanized coffee harvesting operation?. 2021. Thesis - UNESP, Coordenação de Aperfeiçoamento de Pessoal de Nível Superior – Brasil (CAPES) – Finance Code 001. Advisor.

9. Adão Felipe dos Santos. Aerial remote sensing to predict peanut (Arachis hypogaea) maturity. 2019. Thesis - UNESP, National Council for Scientific and Technological Development (CNPq). Advisor.

10. Lucas Augusto da Silva Girio. Quality of mechanized planting, transplanting and harvesting of grinding wheels and pre-sprouted sugarcane seedlings. 2018. Thesis - UNESP, Coordenação de Aperfeiçoamento de Pessoal de Nível Superior – Brasil (CAPES) – Finance Code 001. Advisor.

11. Patricia Candida de Menezes. Application of quality tools in mechanized soybean harvesting. 2018. Thesis - UNESP. Advisor.

12. Diego Onofre Vidal. Economic evaluation methodology for decision between renovation or reform of agricultural tractors. 2018. Thesis - UNESP. Advisor.

13. Franciele Morlin Carneiro. Canopy sensors in monitoring of the temporal variability soybean and peanut crops. 2018. Thesis - UNESP, National Council for Scientific and Technological Development (CNPq). Co-Advisor.

14. Carla Segatto Strini Paixão. Univariate and multivariate analysis applied to soybean mechanized harvesting quality. 2017. Thesis - UNESP, Coordenação de Aperfeiçoamento de Pessoal de Nível Superior – Brasil (CAPES) – Finance Code 001. Advisor.

15. Marcelo Tufaile Cassia. Control charts to management of the agricultural operations. 2016. Thesis - UNESP, National Council for Scientific and Technological Development (CNPq). Advisor.

16. Guilherme de Castro Belardo. Multi row sugarcane harvester performance in different conditions of cane fields for three growing spacing models. 2016. Thesis - UNESP. Advisor.

17. Felipe Santinato. Technological innovations for precision coffee cultivation. 2016. Thesis - UNESP, Coordenação de Aperfeiçoamento de Pessoal de Nível Superior – Brasil (CAPES) – Finance Code 001. Advisor.

18. Tiago de Oliveira Tavares. Development of a model for fleet sizing in coffee crop. 2016. Thesis - UNESP, National Council for Scientific and Technological Development (CNPq). Advisor.

19. Elizabeth Haruna Kazama. Technological innovations for Precision Coffee. 2016. Thesis - UNESP, National Council for Scientific and Technological Development (CNPq). Advisor.

20. Murilo Aparecido Voltarelli. Systemic quality management in the sugarcane mechanical harvesting. 2015. Thesis - UNESP, National Council for Scientific and Technological Development (CNPq). Advisor.

21. Cristiano Zerbato. Quality of seeding and digging mechanized of peanuts. 2015. Thesis - UNESP, Coordenação de Aperfeiçoamento de Pessoal de Nível Superior – Brasil (CAPES) – Finance Code 001. Co-Advisor.

22. Ariel Muncio Compagnon. Assessment planter sugarcane plow with automatic disarm and rotation of the distributor belt. 2015. Thesis - UNESP, Coordenação de Aperfeiçoamento de Pessoal de Nível Superior – Brasil (CAPES) – Finance Code 001. Co-Advisor.

23. Evaldo Ferezin. Use of quality tools to determine improvements in peanut digger-inverter designs. 2015. Thesis - UNESP. Advisor.

24. Anderson de Toledo. Quality evaluation of base cut sugarcane mechanized harvest. 2012. Thesis - UNESP (Unesp), National Council for Scientific and Technological Development (CNPq). Advisor.

25. Jorge Wilson Cortez. Crop coverage, management of fertilization and chaff in direct sowing of corn and soybean. 2009. Thesis - UNESP (Unesp), Coordenação de Aperfeiçoamento de Pessoal de Nível Superior – Brasil (CAPES) – Finance Code 001. Co-Advisor.

26. Gustavo Naves dos Reis. Losses in the green sugar cane harvesting in function of wear of the cutting knives. 2009. Thesis (Ph.D. in Agronomy) - Universidade Estadual Paulista Júlio de Mesquita Filho, Coordenação de Aperfeiçoamento de Pessoal de Nível Superior – Brasil (CAPES) – Finance Code 001. Co-Advisor.

27. Danilo César Checcio Grotta. Management of cover crops for no-tillage of corn (Zea mays L.). 2008. 0 f. Thesis (Ph.D. in Agronomy) - Universidade Estadual Paulista Júlio de Mesquita Filho, National Council for Scientific and Technological Development (CNPq). Co-Advisor.

Postdoctorate supervision

1. Franciele Morlin Carneiro. 2020. UNESP, Coordenação de Aperfeiçoamento de Pessoal de Nível Superior – Brasil (CAPES) – Finance Code 001. Rouverson Pereira da Silva.
2. Adão Felipe dos Santos. Postdoctoral supervision. 2020. UNESP, National Council for Scientific and Technological Development (CNPq). Rouverson Pereira da Silva.
3. Evaldo Ferezin. Post doctoral supervision: Use of quality tools to determine improvements in peanut digger-inverter designs. 2018. UNESP, Universidade Estadual Paulista. Rouverson Pereira da Silva.
4. Murilo Aparecido Voltarelli. Planning and Energy Demand in Agricultural Machinery. 2017. UNESP, Universidade Estadual Paulista. Rouverson Pereira da Silva.

5. Murilo Aparecido Voltarelli. 2015. UNESP, Universidade Estadual Paulista. Rouverson Pereira da Silva.

Quantitative indicators

- 10 books published
- 206 publications in journals with a selective editorial policy
- 38 book chapters
- 34 master's thesis supervised and already defended
- 27 doctoral dissertations supervised and defended
- Number of citations received in the international scientific literature, according to ISI (261), Scopus (448), and Google Scholar (1829)
- Patents applied for, granted and licensed (2).

Link para a página ORCID, MyResearcherID (ISI) ou MyCitations (Google Scholar).

- ORCID: https://orcid.org/0000-0001-8852-2548
- ResearcherID: https://publons.com/researcher/1900582/rouverson-p-silva/
- MyCitations: https://scholar.google.com.br/citations?hl=ptBR&user=7hw3kqIAAAAJ&view_op=list_works&sortby=pubdate
- Web of Science: Total number of citations: 392; Papers: 131; H-index: 12
- Scopus: Total number of citations: 1205; Papers: 164; H-index: 17
- Google Scholar: Total number of citations: 3208; Papers: 544; H-index: 24

Other information

The researcher recently approved projects in partnership with AGCO do Brasil Comércio e Indústria and ZF do Brasil. In 2017, he received the award for professor of the year from UNESP/FCAV. In 2015, he received the title of honorary professor at La Facultad de Ingenieria Agricola de la Universidad Nacional del Altiplano de Puno, Peru. Since 2014, he has been a member of the evaluation and selection committee for the tractor and machine of the year award.

Jaboticabal, Brazil, May 2024.

Rouverson Pereira da Silva, Ph.D