

# PAULO H. RESENDE

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## EDUCATION

<b>Dept. of Agricultural and Applied Economics, Texas Tech University</b>	Lubbock, TX
<i>Ph.D. in Agricultural and Applied Economics</i>	2025 - 2029
<ul style="list-style-type: none"><li>• GPA: -/4.00</li><li>• Advisor: -</li><li>• Dissertation title: -.</li></ul>	
<b>Institute of Economics, University of Campinas</b>	Campinas, Brazil
<i>M.Sc. in Economics</i>	2022 - 2025
<ul style="list-style-type: none"><li>• GPA: 3.89/4.00</li><li>• Advisor: Celio Hiratuka</li><li>• Thesis title: <i>The Pharmaceutical Sector in the Age of AI: An Analysis of Technology and Ownership Networks.</i></li></ul>	
<b>Mackenzie Presbyterian University</b>	São Paulo, Brazil
<i>B.Sc. in Economics</i>	2018 - 2021
<ul style="list-style-type: none"><li>• GPA: 3.69/4.00</li><li>• Advisor: Mariana Piaia Abreu</li><li>• Honors Thesis title: <i>The Brazilian Stock Market Between 2010 and 2020 and the Role of the State from a Network Theory Perspective.</i> Grade: 10.0/10.0</li></ul>	
<b>Federal University of São Carlos (UFSCar)</b>	São Carlos, Brazil
<i>B.Sc. in Chemical Engineering (Not Completed)</i>	2015 - 2018
<ul style="list-style-type: none"><li>• Undergraduate Research Assistant at The Interdisciplinary Laboratory of Electrochemistry and Ceramics (LIEC)</li><li>• Volunteer at the UFSCar Astronomical Observatory</li></ul>	
<b>Colégio Bandeirantes</b>	São Paulo, Brazil
<i>High School</i>	2012 - 2014

## PROFESSIONAL

<b>Free Market Institute</b>	Lubbock, Texas
<i>Research Assistant</i>	Sep 2025 - present
<b>Instituto Millenium</b>	São Paulo, Brazil
<i>Research Associate</i>	Apr 2024 - present
<b>Independent Consultant</b>	São Paulo, Brazil
<i>Political Consulting Analyst</i>	Jan 2022 - present
<b>Saga Systems Brasil</b>	São Paulo, Brazil
<i>PIC Marketing Department</i>	Jan 2018 - Oct 2021

## WORKING PAPERS

1. The overlooked need for Ethics in Complexity Science: Why it matters. Olumide Adisa, Enio Alterman Blay, Yasaman Asgari, Gabriele Di Bona, Samantha Dies, Ana Maria Jaramillo, **Paulo H. Resende**, Ana Maria de Sousa Leitao. *arXiv PrePrint*, 2024.

## WORK IN PROGRESS

1. Better Rules for Complex Innovation Systems: An Evolutionary and Austrian Economics Perspective
2. Structural Features in Complex Capital: A Motif Analysis from Higher-Order Assortativity (*with Mariana Piaia Abreu*)
3. Political Interference in the Stock Market: Analyzing State-Owned and Mixed-Owned Enterprises in the Brazilian Stock Market (*with Mariana Piaia Abreu*)
4. Workflows and Roadblocks: Gender Differences in Career Mobility and Occupational Networks in Brazil (*with Mariana Piaia Abreu*)

## CONFERENCE PRESENTATIONS

- Assessing Shareholding Interaction Patterns in the Brazilian Stock Market with Higher-Order Assortativity. *Conference on Complex Systems*, 2023 (*with Mariana Piaia Abreu*)
- Photoelectrochemical activity evaluation of  $WO_3/BiVO_4$  with electrodeposited Cobalt Phosphate. *XXI Brazilian Symposium of Electrochemistry and Electroanalysis*, 2017 (*with Dyovani Coelho and L. H. Mascaro*)
- Photoelectrochemical evaluation of spray-deposited  $MoO_3/BiVO_4$ ,  $WO_3/BiVO_4$  and  $Co_xO_y/BiVO_4$  heterojunctions. *XXI Brazilian Symposium of Electrochemistry and Electroanalysis*, 2017 (*with Dyovani Coelho, L. H. Mascaro and N. C. S. Braghini*)

## RESEARCH PROJECTS

### Country-Risk Index 2025 - Brazil

*Instituto Millenium & Adam Smith Center at Florida International University* 2025

### Bureaucracy Index 2025 - Brazil

*Instituto Millenium & Adam Smith Center at Florida International University* 2025

### The Health Economic-Industrial Complex in the context of the 4th Industrial Revolution: an analysis of the insertion of Brazil in the knowledge and technology networks of Health 4.0

*UNICAMP-UFF-Fiocruz, CNPQ-MCTI Project* 2024-2026

### Country-Risk Index 2024 - Brazil

*Instituto Millenium & Adam Smith Center at Florida International University* 2024

### Bureaucracy Index 2024 - Brazil

*Instituto Millenium & Adam Smith Center at Florida International University* 2024

### Ownership Structure of the Brazilian Capital Market: A Complex Network Analysis

*2020 Mackpesquisa Project (Mackenzie Presbyterian University)* 2020 - 2021

## AWARDS

### The Federation of Industries of the State of São Paulo (FIESP)

*III FIESP Award in Industrial Economics - Best Master's Thesis (National)* 2025

FELLOWSHIPS	<b>Texas Tech University</b> <i>Free Market Institute - PhD Fellowship</i>	2025 - 2028
	<b>University of Campinas</b> <i>CAPES Masters Scholarship</i>	2022 - 2024
	<b>Mackenzie Presbyterian University</b> <i>Mackpesquisa Research Grant</i>	2020 - 2021
	<b>The Fund For American Studies</b> <i>Institute for Leadership in the Americas - Santiago de Chile</i>	Jan-2019
	<b>Discovery Institute - Center on Wealth &amp; Poverty</b> <i>Gilder Fellows' Seminar - Seattle, WA</i>	Aug-2019

SKILLS  
**Languages:** Portuguese (Native), English (Fluent), Spanish (Intermediate), Mandarin (Beginner).  
**Programming:** R, L<sup>A</sup>T<sub>E</sub>X, VBA, GAMS, Python.