

# Ana Carolina Bottega de Lima

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## Education

- 2020 **M.A., Economics**, *Federal University of Minas Gerais (UFMG)*, Belo Horizonte, Brazil.  
Master's thesis title: Three essays on market concentration and technological change.  
Advisor: Rafael S. M. Ribeiro.  
Partial GPA: 4.90/5.00.
- 2017 **B.A., Economics**, *Federal University of Minas Gerais (UFMG)*, Belo Horizonte, Brazil.  
Final undergraduate thesis title: Innovation and Trade Performance: an empirical analysis on the role of demand and innovation on export growth. Advisor: João P. Romero.  
GPA: 4.85/5.00.

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## Additional Training

- August 2019 **YSI/Diamantina 2019 - Money, Space and Financialization**, *18th Diamantina Seminar*, Diamantina, Brazil.  
Short course with Gary Dymski (Leeds University Business Schools) and Jeroen Klink (UFABC) about the role of space and spatial concentration on the process of financialization of many economies.
- July–August 2019 **7th FMM International Summer School on Keynesian Macroeconomics and European Economic Policies**, *Macroeconomic Policy Institute (IMK)*, Berlin, Germany.  
The summer school contained overview lectures with leading international researchers in the area, student study groups, poster, and academic paper sessions.
- February 2019 **Model-based Macroeconomics**, *Federal University of Rio de Janeiro (UFRJ)*, Rio de Janeiro, Brazil.  
The course discussed (from theoretical and applied perspectives) the application of recent modeling methodologies in macroeconomics, namely dynamic stochastic general equilibrium (DSGE) and agent-based (ABM) families of models.
- January–February 2017 **Hochschulwinterkurs**, *Faculty of Humanities - Universität Duisburg-Essen*, Essen, Germany.  
Lessons in German language, culture, and current events.

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## Research Interests

Development, growth and income distribution.  
Applied macroeconomics and macroeconomic modeling.  
Macro and micro dynamics of innovation.

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## Research Experience

2014–2017 **Research Associate at the Tutorial Education Program (PET)**, Economics Department - UFMG.

Program for conducting supervised research (one thesis/article per year), teaching-related activities, and university extension activities.

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## Teaching Experience

November **Co-advisor**, *Final Undergraduate Thesis*, Economics Department - UFMG.

2019–present Rebecca Gramiscelli Hasparyk, "Growth regimes and wage differentials: an empirical investigation using dynamic panel data".

March–July 2019 **Teaching Assistant**, Economics Department - UFMG.

Econometrics II (time series and panel data) to the undergraduate Economics course.

October 2018 **Committee Member**, *Undergraduate Theses from PET*, Economics Department - UFMG.

Daniela Silva Andrade, "Innovation under the perspective of urban and regional planning: a complementarity analysis" (in Portuguese).

Ian Soares, "Juscelino Kubitschek: the economic miracle and its effects on the country" (in Portuguese).

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## Service, Committee, and Community Experience

March **Organizer of the Keynesian Economics Working Group**, *Young Scholars*  
2019–present *Initiative (YSI)*, Institute for New Economic Thinking (INET).

Plan, organize and implement online and "in-person" projects and events related to the working group's research area.

August **Editorial Board Member – Revista Multiface Online (ISSN 2358-9760)**.  
2014–December Editor-in-Chief (2017), Associate Editor (2016), Editing Director (2014-2015). The journal  
2017 is a scientific publication in Economics organized by undergraduate students (website).

August 2015–2016 **Admissions Committee**, *PET*.

Member of the committee that selected new research associates for PET.

August– **University Extension Project: "Colmeia Solidária" (Solidary Hive)**.  
December Initiative from UFMG students to organize research and consulting in Popular and  
2015 Solidarity Economics.

March–July 2015 **University Extension Project: Coffee and Economics**.

A series of lectures and discussions on topics related to the economics area to high school students from public schools.

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## Academic Publications

### Peer-Reviewed Publications

2018 Costa, J. G., Sternick, I. P., **Bottega, A.**, Filho, C., Freitas, E., Santos, G., & Mourão, V. (2018). Ten years of Revista Multiface and the incentive for undergraduate research (in Portuguese). *Ciência da Informação em Revista*, 5, 37–48.

2017 **Bottega, A.**, & Sternick, I. P. (2017). Regulation theory and the crisis of Fordism (in Portuguese). *Revista Multiface Online*, 5, 7–21.

### Undergraduate Theses from PET

2016 **Bottega, A.** (2016). Dynamic systems through macroeconomic modeling: the business cycle of Kalecki (in Portuguese), *PET-Economia/UFMG* (library link).

- 2015 **Bottega, A.** (2015). The concept of development through history (in Portuguese), *PET-Economia/UFMG* (library link).

#### Book Reviews

- 2016 **Bottega, A.**, & Ferreira, A. R. C. (2016). Review of “The entrepreneurial state: Debunking public vs. private sector myths” by Mariana Mazzucato (in Portuguese). *Revista Multiface Online*, 3, 56–58.

#### Editing work

- 2017 **Bottega, A.**, & Sternick, I. P. (2017). *Revista Multiface Online (in Portuguese)*, 5(2).  
2017 **Bottega, A.** (2017). *Revista Multiface Online (in Portuguese)*, 5(1).

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### Works in Progress

#### Working Papers

- 2019 **Bottega, A.**, & Romero, J. P. (2019). Innovation and export performance across different sectors and countries. *Cambridge Centre for Economic and Public Policy*, CCEPP WP 04-19.

#### Papers in Progress

Romero, J. P., & **Bottega, A.** Demand-pull, technology-push and research intensity across technological sectors.

**Bottega, A.** Modeling with delay differential equations in macroeconomics: a general solution path for Kalecki’s business cycle model.

Libânio, A. T., & **Bottega, A.** The Use of Child Care and Mothers’ Participation in the Brazilian Labor Market (in Portuguese).

**Bottega, A.** The Concept of Development through Classical and Latin American Traditions.

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### Conference Presentations and Publications in Conference Proceedings

- 2020 **46th Annual Conference of the Eastern Economic Association**, Boston, US.  
"Competition, Market Share and Technological Change in a Post-Keynesian Duopoly Model."
- 2019 **ANPEC’s 47th National Economics Conference**, São Paulo, Brazil.  
"Competition, Market Share and Technological Change in a Post-Keynesian Duopoly Model."
- 2019 **23rd FMM Conference – The Euro at 20: macroeconomic challenges**, Berlin, Germany.  
"Demand-pull, technology-push and research intensity across technological sectors."
- 2019 **31st Annual EAEPE Conference – 30 years after the fall of the Berlin wall**, Warsaw, Poland.  
"Competition, Market Share and Technological Change in a Post-Keynesian Duopoly Model".

- 2019 **XII International Conference of the Brazilian Keynesian Association (AKB) – The Keynesian perspective of the liberal economy**, Campinas, Brazil.  
"Competition, Market Share and Technological Change in a Post-Keynesian Duopoly Model".
- 2019 **18th Diamantina Seminar**, Diamantina, Brazil.  
"Competition, Market Share and Technological Change in a Post-Keynesian Duopoly Model".
- 2019 **18th Diamantina Seminar**, Diamantina, Brazil.  
"The Use of Child Care and Mothers' Participation in the Brazilian Labor Market" (in Portuguese).
- 2019 **2nd International Workshop on Demand-Led Growth**, Rio de Janeiro, Brazil.  
"Competition, Market Share and Technological Change in a Post-Keynesian Duopoly Model".
- 2019 **2nd International Workshop on Demand-Led Growth**, Rio de Janeiro, Brazil.  
"Innovation, export performance and trade elasticities across different sectors and countries".
- 2019 **I PhD Forum on Complexity Economics and Economics of Innovation**, Rio de Janeiro, Brazil.  
"Competition, Market Share and Technological Change in a Post-Keynesian Duopoly Model".
- 2018 **22nd FMM Conference - 10 years after the crash: what have we learned?**, Berlin, Germany.  
"Innovation and export performance in different groups of sectors and countries".
- 2018 **1st International Workshop on Demand-Led Growth**, Rio de Janeiro, Brazil.  
"Dynamic Modelling in Macroeconomics: solutions for the delay differential equation of Kalecki's business cycle model".
- 2018 **YSI Latin America Convening**, Buenos Aires, Argentina.  
"Dynamic Modelling in Macroeconomics: solutions for the delay differential equation of Kalecki's business cycle model".
- 2017 **ABEC Meeting 2017**, Curitiba, Brazil.  
"Ten years of Revista Multiface and the Incentive for Undergraduate Research" (in Portuguese).

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## Invited Presentations

- 2020 **Graduate Philosophy Students Meeting**.  
"Economics, philosophy and the pandemic" (in Portuguese) (with Ivan P. Sternick and Amaro Fleck, youtube link).

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## Events Organization

- 2019 **EAEPE-YSI Special Session 2019 "Breaking Walls"**, *31st Annual EAEPE Conference*, Warsaw, Poland (with Merve Burnazoglu, Olga Mikheeva, Cecilia Rikap, and Ayoze Alfageme).

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## Grants

- 2018–present **National Council for Scientific and Technological Development (CNPq)**, Brazil.  
Two-year scholarship for master studies, Economics Department, UFMG.
- 2017 **Rectorry of Student Affairs at UFMG (PRAE/UFMG)**, Brazil.  
Grant named “Support for Student Academic Initiatives and Projects” for the project: “Revista Multiface Online: 10 years” (in Portuguese) (with Josiel G. Costa, Lucas C. C. Dias, Giovanni S. Santos, and Caio S. Pereira Reis).
- 2017 **German Academic Exchange Service (DAAD)**, Germany.  
Hochschulwinterkurs scholarship, Faculty of Humanities, Universität Duisburg-Essen.
- 2014–2017 **Higher Education Secretariat, Ministry of Education (SESU/MEC)**, Brazil.  
Tutorial Education Program (PET) research scholarship, Economics Department, UFMG.

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### Language Skills

Portuguese Native speaker  
English Fluent  
German Intermediate  
Spanish Basic

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### Computer Skills

Statistical software Stata, R  
Microsoft Office Excel, PowerPoint  
Graphic design software InDesign