

# JOSE MARÍA MARTÍNEZ

29 Ancora Imparo Wy, Clayton VIC 3800, Australia

Contact: [josemaria.martinez@monash.edu](mailto:josemaria.martinez@monash.edu)

Cellphone: +61 405 097 893

[Personal Website](#) – [Google Scholar](#) – [ORCID](#) – [ResearchGate](#)

## ACADEMIC APPOINTMENT

2025-Current **Post-Doctoral Research Fellow**,  
Department of Economics  
Monash University (Melbourne, VIC)

## EDUCATION

2025 **Ph.D. in Agricultural, Food, and Resource Economics**,  
Michigan State University (East Lansing, MI, USA),  
*Committee:* M. Maredia (Chair), J.M. Wooldridge, D. Ortega, and S. Liverpool.

2016 **M.Sc. in Applied Economics**,  
Universidad del Valle (Cali, Colombia),  
*Outstanding Thesis Award*

2014 **B.A. (Hons.) in Economics**,  
Universidad del Valle (Cali, Colombia)

INTERESTS: Development Economics, Agricultural Economics, Applied Microeconometrics,  
Climate Change and Labor Markets, Impact Evaluation, Technology Adoption.

## RESEARCH EXPERIENCE

2021–2025 **Graduate Research Assistant**, Michigan State University,  
*Department of Agricultural, Food, and Resource Economics*,  
East Lansing, MI.

2018–2021 **Research Fellow**, AGROSAVIA – Colombian Corporation of Agricultural Research,  
*Palmira Research Center*,  
Cali, Colombia.

2019–2020 **Visiting Scholar**, Michigan State University,  
*Visiting International Professional Program & AFRE*,  
East Lansing, MI.

2019 **Project Leader**, Universidad del Valle,  
*Office of Extension and Outreach & Economics Department*,  
Cali, Colombia.

2014–2018 **Research Associate**, Alliance of Bioversity International & CIAT,  
*Applied Economics Lab*,  
Cali, Colombia.

## TEACHING EXPERIENCE

- Spring, Summer & Fall 2024 **Instructor of Record**, Michigan State University,  
*Department of Agricultural, Food, and Resource Economics*,  
Course: World Food, Population, and Poverty (AFRE 206),  
Enrollment: 53 students (Spring), 22 (Summer), 42 (Fall),  
East Lansing, MI.
- Fall 2023 **Teaching Assistant**, Michigan State University,  
*Department of Agricultural, Food, and Resource Economics*,  
Course: World Food, Population, and Poverty (AFRE 206),  
East Lansing, MI.
- 2017–2020 **Adjunct Professor (Instructor)**, Universidad Autónoma de Occidente,  
*Economics Department*,  
Courses: Econometrics II, Microeconomics III (Welfare Economics & General Eq.),  
Cali, Colombia.
- 2017 **Adjunct Professor (Instructor)**, Universidad del Valle,  
*Economics Department*,  
Course: Econometric Methods for Impact Evaluation,  
Cali, Colombia.

## SKILLS

Software: STATA (*advanced*), L<sup>A</sup>T<sub>E</sub>X (*advanced*), RStudio (*basic*), Q-GIS (*basic*).  
Languages: English (*fluent, CEFR C2*), Spanish (*native*), Hindi (*beginner*).

## AWARDS AND RECOGNITION

- Norman E. Borlaug International Research Fellowship**, 2019,  
United States Department of Agriculture, *Foreign Agricultural Service*.
- Sustainable Michigan Endowed Project (SMEP) Ph.D. Fellowship**, 2021,  
(USD 25,000), Michigan State University, *College of Agriculture and Natural Resources*.
- Department of Economics Research Enhancement Funding**, 2025,  
(AUD 27,180), Monash University, *Monash Business School*.
- Outstanding Graduate Student Instructor Award**, 2025,  
Michigan State University, *Department of Agricultural, Food, and Resource Economics*.
- CANR Dissertation Completion Fellowship**, 2025,  
(USD 5,000), Michigan State University, *College of Agriculture and Natural Resources*.
- Outstanding Masters' Thesis Award**, 2016,  
Universidad del Valle (Colombia), *Economics Department*.
- First Class Honours in Economics**, 2014,  
Universidad del Valle (Colombia), *Economics Department*.
- Outstanding Academic Performance Full Scholarship**, 2010-2014,  
[All semesters] Universidad del Valle (Colombia), *Economics Department*.

## PEER-REVIEWED PUBLICATIONS

- 2026 [Quantifying Agricultural R&D Investment Gaps in the Global Coffee Sector](#)  
*World Development Sustainability*, 8: 100261.  
(Maredia, M., and **Martinez, J.M.**)
- 2025 [Impact of Introduced Pastures in Colombian Lowland Ranching](#),  
*Agricultural Economics*, 56(6): 1241-1259.  
(**Martinez, J.M.**, Labarta, R., and Maredia, M.)
- [Sweating Bullets: Heat, High-Stakes Evaluations, and the Role of Incentives](#),  
*Environmental and Resource Economics*, 88: 2429-2467.  
(**Martinez, J.M.**, Zuluaga, V., and Buriticá, A.)
- [Adoption without Gains, and Vice-Versa: Exploring the Disconnect Between Improved Bean Varieties and Yield in Central America and Haiti through the Lens of Seed Systems](#),  
*Agricultural Systems*, 230: 104447.  
(Reyes, B., Maredia, M., **Martinez, J.M.**, Gomez, L., Rosas, J.C., and Miranda, A.)
- 2023 [Market participation of small-scale rice farmers in Eastern Bolivia](#),  
*Journal of Agricultural and Applied Economics*, 55(3): 471-491.  
(Lopera, D.C., González, C., and **Martinez, J.M.**)
- [Impacts of the joint adoption of improved varieties and chemical fertilizers on rice productivity in Bolivia: Implications for Global Food Systems](#),  
*Frontiers in Sustainable Food Systems*, 7: 1194930.  
(**Martinez, J.M.**, Labarta, R.A., and González, C.)
- 2022 [Potato farming in Southwest Colombia: Types of farmers and their technical efficiency](#),  
*Ciencia y Tecnología Agropecuaria*, 23(2): e2236.  
(**Martinez, J.M.**, Tarazona, R., Martínez-Pachón, E., and Ramos-Zambrano, H.S.)
- 2021 [Joint adoption of rice technologies among Bolivian farmers](#),  
*Agricultural and Resource Economics Review*, 50(2): 252-272.  
(**Martinez, J.M.**, Labarta, R.A., Gonzalez, C., and Lopera, D.C.)
- [Multivariate analysis of the adoption of cacao productive technologies: Evidence from a case study in Colombia](#),  
*Economía Agraria y Recursos Naturales*, 21(1): 79-102.  
(**Martinez, J.M.**, and Martínez-Pachón, E.)
- [Sensory dimensions of peach-palm fruit \(\*Bactris gasipaes\*\) and implications for future genetics](#),  
*Agronomía Mesoamericana*, 32(1): 77-92.  
(**Martinez, J.M.**, Moreno-Caicedo, L.P., and Loaiza-Loaiza, O.)
- [Measuring the effect of long-term pitfall trapping on the prevalence of epigeal arthropods: A case study in the Pacific Coast of Colombia](#),  
*Sociobiology*, 68(2): e5928.  
(**Martinez, J.M.**, Tarazona, R., Löhr, B., and Narváez, C.A.)

- 2018 [Household determinants of the adoption of improved cassava varieties using DNA fingerprinting to identify varieties in farmer fields: A case study in Colombia](#), *Journal of Agricultural Economics*, 69(2): 518-536.  
(Floro, V.M., Labarta, R.A., Becerra, L.A., **Martinez, J.M.**, and Ovalle, T.M.)

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## WORKING PAPERS AND WORK IN PROGRESS

*Under Review* **Economic Impacts and Farming System Responses to the First Detection of Coffee Leaf Rust in Hawaii**,  
[Submitted to *Agricultural Systems*]  
with [Mywish Maredia](#), [David L. Ortega](#) (MSU), and [Caitlin Herrington](#) (KIT).

*In preparation* **Labor and Gender-specific Weather Shocks: Evidence from Colombia**,  
with [Victor Zuluaga](#) (Banxico), [Ha Luong](#) (UC3M), [Maria A. García](#) (UIUC), and [Alexander Buriticá](#) (CIAT).

**Paying for Precision: How Incentive Compatibility Affects Subjective Expectations Data**,

with [Gaurav Datt](#) (Monash) and [Emilia Tjernström](#) (Macquarie).

**The Dynamics of Agricultural Innovation in North India**,

CGIAR Standing Panel on Impact Assessment,

with [Gaurav Datt](#), [Emilia Tjernström](#), and [Madhura Swaminathan](#) (ISI Bangalore).

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## SERVICE

2023–2024 **President, Graduate Student Organization**,  
Michigan State University, *Department of Agricultural, Food, and Resource Economics*.

2023–2024 **Student Representative in the Graduate Policy Committee**,  
Michigan State University, *Department of Agricultural, Food, and Resource Economics*.

2018–2024 **Subject Editor in Agricultural Economics and Rural Development**,  
*Ciencia y Tecnología Agropecuaria*, *Journal edited by AGROSAVIA, Colombia*.

2020–2021 **Alumni Representative in the Undergraduate Policy Council**,  
Universidad del Valle (Colombia), *Economics Department*.

2019–2021 **President & Liaison, Inter-Network Innovation Committee**,  
AGROSAVIA, *Palmira Research Center*.

**Referee Service, Journals:** *Agricultural Economics*, *Agricultural and Resource Economics Review*, *Journal of Agricultural and Applied Economics*, *Discover Environment*, *Ciencia y Tecnología Agropecuaria*, *Revista Agronomía Colombiana* – **Conferences:** 2026, 2025, & 2024 AAEA Annual Meeting, 2024 ICAE Triennial Conference.

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## CONFERENCE PRESENTATIONS

2025 **Grinnell College - Economics Department Seminar**,  
Grinnell, IA.

**Université Mohammed VI Polytechnique - Faculty of Governance, Economics and Social Sciences Seminar,**

Rabat, Morocco. (*Online*)

**Universidad del Pacífico - Economics Department Seminar,**

Lima, Perú. (*Online*)

**Pontificia Universidad Javeriana - Economics Department Seminar,**

Bogotá, Colombia. (*Online*)

**Southern Agricultural Economics Association Annual Meeting,**

Irving, TX.

2024 **AAEA Annual Meeting,**

New Orleans, LA.

**32<sup>nd</sup> International Conference of Agricultural Economists,**

New Delhi, India.

**Latin American Section of the AAEA Webinar/Workshop Series,**

Las Cruces, NM. (*Online*)

**AERE Summer Conference,**

Washington, D.C.

2023 **University of Houston, Economics Student Brown Bag Seminar,**

(Virtual) Houston, TX.

**MSU AFRE Graduate Student Research Symposium,**

East Lansing, MI.

2017 **VIII Bolivian Conference of Development Economics,**

Cochabamba, Bolivia.

2015 **29<sup>th</sup> International Conference of Agricultural Economists,**

Milan, Italy.

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## ASSOCIATION MEMBERSHIPS

American Economic Association (AEA), Agricultural & Applied Economics Association (AAEA), International Association of Agricultural Economists (IAAE), Southern Agricultural Economics Association (SAEA).