

JOSE MARIA MARTINEZ

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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**,
College of Agriculture and Natural Resources
Michigan State University

2016 **M.Sc. in Applied Economics**,
Faculty of Economics and Social Sciences
Universidad del Valle (Colombia)

2014 **B.A. (Hons.) in Economics**,
Faculty of Economics and Social Sciences
Universidad del Valle (Colombia)

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

RESEARCH & PROFESSIONAL EXPERIENCE

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

2018–2021 **Research Fellow (MS-Level)**,
Palmira Research Center
Colombian Corporation of Agricultural Research

2019–2020 **Visiting Scholar**,
Visiting International Professional Program & USDA Borlaug Visiting Fellow
Michigan State University

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

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

FUNDING, AWARDS, AND RECOGNITION

Norman E. Borlaug International Research Fellowship, 2019,
(USD 50,000), 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*.

Outstanding Master's Thesis Award, 2016,
Universidad del Valle (Colombia), *Economics Department*.

PEER-REVIEWED PUBLICATIONS

- 2026 [Economic Impacts and Farming System Responses to the First Detection of Coffee Leaf Rust in Hawaii](#), *Agricultural Systems*, (Forthcoming).
(Maredia, M., Ortega, D., Herrington, C., and **Martinez, J.M.**)
- [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.)

WORKING PAPERS AND WORK IN PROGRESS

In progress **Labor and Gender-specific Weather Shocks: Evidence from Colombia,**
with Victor Zuluaga, Ha Luong, Maria A. Garcia, and Alexander Buritica.

Paying for Precision: How Incentive Compatibility Affects Subjective Expectations Data,
with Gaurav Datt and Emilia Tjernström.

The Dynamics of Agricultural Innovation in North India,
CGIAR Standing Panel on Impact Assessment,
with Gaurav Datt, Emilia Tjernström, Madhura Swaminathan, Sandipan Baksi, and Tapas Modak.

TEACHING

MICHIGAN STATE UNIVERSITY

World Food, Population, and Poverty (Development Economics)

Instructor of Record: Spring '24, Summer '24, Fall '24.

Teaching Assistant: Fall '23.

UNIVERSIDAD AUTÓNOMA DE OCCIDENTE

Microeconomics III (General Equilibrium and Welfare Economics)

Adjunct Professor (Instructor): Spring '20, Fall '19.

Econometrics II (Cross-Sectional and Panel Data Econometrics)

Adjunct Professor (Instructor): Spring '17, Fall '17, Spring '19.

UNIVERSIDAD DEL VALLE

Methods for Impact Evaluation (Applied Methods for Causal Inference)

Adjunct Professor (Instructor): Spring '17, Fall '17.

STUDENT SUPERVISION

Luis Enrique Chiriboga, 2017 (UG Thesis Advisor)

Nathalia Florez, 2017 (UG Thesis Advisor)

Hector Franco, 2017 (UG Thesis Advisor)

Diego Armando Marin, 2016 (UG Thesis Advisor)

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.*

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.*

REFEREEING

Journals Agricultural Economics, Agriculture & Food Security, Agricultural and Resource Economics Review, Discover Environment, Journal of Agricultural and Applied Economics, Journal of Development Studies, Agronomía Colombiana, Ciencia y Tecnología Agropecuaria.

Conferences 2026, 2025, & 2024 AAEA Annual Meeting, 2024 ICAE Triennial Conference.

CONFERENCE PRESENTATIONS

- 2025 Grinnell College (Economics Seminar), Université Mohammed VI Polytechnique (FGESS Seminar), Universidad del Pacifico (Economics Seminar), Pontificia Universidad Javeriana (Economics Seminar), SAEA Annual Meeting.
- 2024 AAEA Annual Meeting, AERE Summer Conference, 32nd International Conference of Agricultural Economists, AAEA Latin American Section Webinar.
- 2023 University of Houston (Economics Brown-Bag Seminar), Michigan State University (AFRE Brown-Bag Seminar), MSU AFRE Graduate Research Symposium.
- 2015-2017 VIII Bolivian Conference of Development Economics, XII National Microeconomics Symposium (Colombia), 29th International Conference of Agricultural Economists.

ASSOCIATION MEMBERSHIPS

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