

# Manuel A. Hernandez

<b>Education</b>	Ph.D., Economics, Texas A&M University	August 2009
	B.A., Economics, Universidad del Pacifico, Peru	December 1999

**Fields of interest** Applied Microeconomics, Development Economics & Applied Econometrics

## Journal Publications

- Large-scale school meal programs and student health: Evidence from rural China (with Guoying Deng and Jingxi Wang), *China Economic Review* 79, 101974, 2023.
- Solar-powered cold-storage and agrifood market modernization in Nigeria (with Hiroyuki Takeshima, Futoshi Yamauchi and Hyacinth O. Edeh), *Agricultural Economics* 54(2), pp. 234-255, 2023
- The unintended consequences of confinement due to Covid-19: Evidence from the rural area in Guatemala (with Jose G. Castillo), *Journal of Economic Psychology* 95, 102587, 2023
- Group lending with peer selection and moral hazard (with Li Gan and Yanyan Liu), *Theoretical Economics Letters* 12(5), pp. 1351-1361, 2022
- Land market distortions and aggregate agricultural productivity: Evidence from Guatemala (with Braulio Britos, Miguel Robles and Danilo Trupkin), *Journal of Development Economics* 155, 102787, 2022
- Insurance or deliberate use of the bankruptcy law for financial gain? Testing for heterogeneous filing behaviors in the United States (with Li Gan and Shuoxun Zhang), *Economic Modelling* 105, 105673, 2021
- Short-term impacts of COVID-19 on food security and nutrition in rural Guatemala: Phone-based farm household survey evidence (with Francisco Ceballos and Cynthia Paz), *Agricultural Economics* 52(3), pp. 477-494, 2021
- Asset maintenance as hidden investment among the rich and poor: Evidence from housing (with Danilo Trupkin), *Review of Economic Dynamics* 40, pp. 128-145, 2021
- When power plants leave town: Environmental quality and the housing market in China (with Guoying Deng and Shu Xu), *Environmental and Resource Economics* 77, pp.751-780, 2020
- Assessing the use of cell phones to monitor health and nutrition interventions: Evidence from rural Guatemala (with Francisco Ceballos, Francisco Olivet and Cynthia Paz), *PLoS ONE* 15(11), e0240526, 2020
- Aid, policies and growth: A nonlinear reassessment (with Xin Geng), *Applied Economics* 52(15), pp. 1617-1633, 2020
- Screening and price discrimination with unobserved consumer types: Evidence from airlines (with Diego Escobari), *Economic Inquiry* 57(2), pp. 1215-1230, 2019
- A poverty-sensitive scorecard to prioritize lending: Evidence from Central America (with Maximo Torero), *Food Policy* 77, pp. 81-90, 2018
- Group lending with heterogeneous types (with Li Gan and Yanyan Liu), *Economic Inquiry* 56(2), pp. 895-913, 2018

- Anchoring bias in recall data: Evidence from Central America (with Susan Godlonton and Michael Murphy), *American Journal of Agricultural Economics* 100(2), pp. 479-501, 2018.
- Linking smallholder farmers to markets on extensive and intensive margins: Evidence from Nicaragua (with Ayako Ebata), *Food Policy* 73, pp. 34-44, 2017
- Grain price and volatility transmission from international to domestic markets in developing countries (with Francisco Ceballos, Nick Minot and Miguel Robles), *World Development* 94, pp.305-320, 2017
- Market institutions and price relationships: The case of coffee in the Ethiopian Commodity Exchange (with Solomon Lemma, Shahidur Rashid and Tadesse Kuma), *American Journal of Agricultural Economics* 99(3), pp. 683-704, 2017
- Price discovery and dynamics across housing developers in China (with Guoying Deng and Yaoguo Wu), *Economics Bulletin* 36(4), pp. 1966-1974, 2016
- Co-movement of major commodity price returns: A time-series assessment (with Francesca de Nicola and Pierangelo De Pace), *Energy Economics* 57, pp. 28-41, 2016
- The higher costs of doing business in China: Minimum wages and firms' export behavior (with Li Gan and Shuang Ma), *Journal of International Economics* 100, pp. 81-94, 2016
- Market interdependence and volatility transmission among major crops (with Cornelis Gardebroek and Miguel Robles), *Agricultural Economics* 47(2), pp. 141-155, 2016
- Do people overreact? Evidence from the housing market after the Wenchuan earthquake (with Guoying Deng and Li Gan), *Journal of Urban Economics* 90, pp.79-89, 2015
- How far do shocks move across borders? Examining volatility transmission in major agricultural futures markets (with Raul Ibarra and Danilo Trupkin), *European Review of Agricultural Economics* 41(2), pp. 301-325, 2014
- Parametric versus nonparametric methods in risk scoring: An application to microcredit (with Maximo Torero), *Empirical Economics* 46(3), pp. 1057-1079, 2014
- Nonlinear pricing strategies and competitive conditions in the airline industry (with Steven Wiggins), *Economic Inquiry* 52(2), pp. 539-561, 2014
- Market concentration and pricing behavior in the fertilizer industry: A global approach (with Maximo Torero), *Agricultural Economics* 44(6), pp. 723-734, 2013
- Do marketing margins change with food scares? Examining the effects of food recalls and disease outbreaks in the U.S. red meat industry (with Oral Capps Jr. and Sergio Colin-Castillo), *Agribusiness* 29(4), pp. 426-454, 2013
- Do energy prices stimulate food price volatility? Examining volatility transmission between US oil, ethanol and corn markets (with Cornelis Gardebroek), *Energy Economics* 40, pp. 119-129, 2013

- Making friends with your neighbors? Agglomeration and tacit collusion in the lodging industry (with Li Gan), *Review of Economics and Statistics* 95(3), pp. 1002-1017, 2013
- Nonlinear pricing and competition intensity in a Hotelling-type model with discrete product and consumer types, *Economics Letters* 110(3), pp. 174-177, 2011

#### **Papers in Submission / Work in Progress**

- COVID-19 and extreme weather: Implications for food security and nutrition in rural Guatemala (with Francisco Ceballos and Cynthia Paz), revision requested
- Can survey design reduce anchoring bias in recall data: Evidence from Malawi (with Susan Godlonton and Cynthia Paz), IFPRI Discussion Paper #2055, revision requested
- Barriers and opportunities for the participation of women in activities beyond agriculture: A case study in Guatemala (with Constanza Alarcon, Maria Lucia Berrospi, Byron Reyes, Diana Lopera, Diana Quintero and Francisco Olivet), revision requested
- Conditional cash transfers and high-school attainment: Evidence from Dominican Republic (with Jose A. Pellerano and Gonzalo E. Sanchez), IFPRI Discussion Paper #2109, under review
- The role of market concentration in the agri-food industry (with Alvaro Espinoza, Maria Lucia Berrospi, Koen Deconinck, Johan Swinnen and Rob Vos), IFPRI Discussion Paper #2168, under review
- Passing through taxes to workers: Evidence from a national tax reform in China (with Guoying Deng, Pengcheng Du and Shu Xu), in progress
- Climatic stresses and migration in Guatemala (with Braulio Britos, Estefania Puricelli and Ritvik Sahajpal), in progress
- Agricultural distortions and emigration (with Braulio Britos and Danilo Trupkin), in progress
- COVID-19 and food security in rural Guatemala: Lessons from a long-term assessment (with Maria Lucia Berrospi, Francisco Ceballos and Cynthia Paz), in progress
- Persistence of individual and social preferences in rural contexts (with Jose Gabriel Castillo), in progress
- Superstitious beliefs and extreme events (with Guoying Deng), in progress

#### **Other Publications**

- Mapeo de intervenciones en seguridad alimentaria y nutrición en Guatemala: Análisis a nivel municipal (with Cynthia Paz and Constanza Alarcon). IFPRI Project Note December 2022.
- COVID-19 study in rural areas of Guatemala: Long-term impacts on food security and nutrition in the Western Highlands (with Francisco Ceballos, Cynthia Paz, and Maria Lucia Berrospi). IFPRI Brief, December 2022

- Short-term impacts of COVID-19 in rural Guatemala: Call for a closer, continuous look at the food security and nutritional patterns of vulnerable families (with Francisco Ceballos and Cynthia Paz). Chapter 8 in John McDermott and Johan Swinnen (eds.), *COVID-19 and global food security: Two years later*, International Food Policy Research Institute (IFPRI), 2022
- Assessing the impacts of COVID-19 on the coffee value chain in Guatemala: Evidence from coffee growers in the Midwest and East (with Francisco Ceballos, Cynthia Paz, and Maria Lucia Berrospi). IFPRI Project Note, December 2021
- Excessive food price variability early warning system: Incorporating exogenous covariates (with Xin Geng and Carlos Martins-Filho). IFPRI Technical Note, September 2021
- Show me what you eat? Assessing diets remotely through pictures (with Francisco Ceballos). IFPRI Project Note, May 2021
- Urban food systems and diets, nutrition, and health of the poor: Challenges, opportunities, and research gaps (with Marie T. Ruel, Jef L. Leroy, Olivier Ecker, Danielle Resnick and James Thurlow), Chapter 19 in Jonathan Crush, Bruce Frayne and Gareth Haysom (eds.), *Handbook on Urban Food Security in the Global South*, Edward Elgar Publishing, 2020
- The Migration Propensity Index: An application to Guatemala (with Francisco Ceballos). IFPRI Discussion Paper #1953, 2020
- Volatile coffee prices: COVID-19 and market fundamentals (with Rebecca Pandolph, Christoph Sanger and Rob Vos). International Coffee Organization Coffee Break Series No. 2. May 2020
- Promoting competition in the fertilizer industry and efficiency in the fertilizer use to improve land productivity and sustainability (with Maximo Torero). *Food Security and Sustainable Development, T20 Argentina Policy Brief*, September 2018
- Overview of the fertilizer supply chain and market structure in Africa: A cross-country assessment (with Flor Paz, Adetola I. Adeoti, Annet Adong, Charles B.L. Jumbe, Kiplimo Araat Lagat and Stevier Kaiyatsa). IFPRI Project Note, August 2018
- Promoting competition in the fertilizer industry in Africa: A global and local approach (with Maximo Torero). IFPRI Issue Brief, March 2018
- Transmission of food price volatility from international to domestic markets: Evidence from Africa, Latin America and South Asia (with Francisco Ceballos, Nick Minot and Miguel Robles), Chapter 13 in Matthias Kalkuhl, Joachim von Braun and Maximo Torero (eds.), *Food Price Volatility and Its Implications for Food Security and Policy*, Springer, 2016
- Poverty-sensitive scorecards to prioritize lending and grant allocation with an application in Central America (with Maximo Torero), Chapter 12 in Doris Köhn (ed.), *Finance for Food*, Springer, 2014
- La seguridad alimentaria en Guatemala (with Miguel Robles and Cristina Chiarella), Capitulo 1 en E. Armendariz, R. de Michele, O. Manzano y P. Martel (cord.), *Reflexiones sobre el desarrollo de la economía rural en Guatemala*, Banco Interamericano de Desarrollo, Washington DC, 2013

- Examining the effect of low cost carriers on nonlinear pricing strategies of legacy airlines (with Anirban Sengupta and Steven Wiggins), Chapter 2 in James Peoples (ed.), *Pricing Behavior and Non-price Characteristics in the Airline Industry (Advances in Airline Economics, Vol. 3)*, Emerald, 2012
- A framework for sustainable food security for Latin America and the Caribbean (with Cesar Falconi, Maximo Torero, Eduardo Maruyama and Miguel Robles), Technical Note No. IDB-TN-441, IADB, 2012
- Fertilizer Market Situation: Market Structure, Consumption and Trade Patterns, and Pricing Behavior (with Maximo Torero), IFPRI Discussion Paper #1058, 2011
- Beyond the numbers. How urban households in Central America responded to the recent global crises (with Miguel Robles and Maximo Torero), IFPRI Issue Brief #67, 2011
- Fires in Russia, Wheat Production, and Volatile Markets: Reasons to Panic? (with Miguel Robles and Maximo Torero), IFPRI article, August 6, 2010
- Examining the Dynamic Relationship between Spot and Futures Prices of Agricultural Commodities (with Maximo Torero), *Commodity Market Review 2009-2010*, FAO, pp. 47-86, 2010
- Estimating the Size of the Hidden Economy in Peru: A Currency Demand Approach, *Revista de Ciencias Sociales y Economía* 8, pp. 85-104, Universidad de Montevideo, 2009
- Abriendo la caja negra de las privatizaciones (with Maximo Torero and Jose Deustua), en *Investigación, Políticas y Desarrollo en el Perú*, GRADE, Lima, Perú, 2007
- The Informal Sector in Jamaica (with Maximo Torero, Miguel Robles, Jorge de la Roca, Maureen Webber and Desmond Thomas), RE3-06-010, Economic and Sector Study Series, IADB, 2006
- Evasión tributaria e informalidad en el Perú (with Jorge de la Roca), *Revista Economía y Sociedad N. 62*, CIES, Lima, Perú, 2006
- Servicios de Desarrollo Empresarial y desempeño de la micro y pequeñas empresas en el Perú: el caso de los sectores confecciones y metalmecánica (with Juan Manuel Garcia), *Revista Economía y Sociedad N. 57*, CIES, Lima, Perú, 2005
- Economic Integration, Trade and Industrial Structure in the Andean Economies: The Peruvian Case (with Carlos Carrillo), in Nobuaki Hamaguchi (ed.) *Peru's New Perspectives on Trade and Development: Strategic Integration with the Global Economy*, IDE-JETRO, Chiba, Japan, 2000

#### Working experience

**INTERNATIONAL FOOD POLICY  
RESEARCH INSTITUTE (IFPRI)**

July 2009 - Currently

Senior Research Fellow, Markets, Trade, and Institutions Division  
Research Fellow, Markets, Trade, and Institutions Division  
Postdoctoral Fellow, Markets, Trade, and Institutions Division

**INTERNATIONAL FOOD POLICY  
RESEARCH INSTITUTE (IFPRI)**

September 2008

Visiting collaborator, Markets, Trade, and Institutions Division

**TEXAS A&M UNIVERSITY**

Summer 2006, 2007 & 2008

Research Assistant for Professor Steven Puller, Department of Economics

**GROUP OF ANALYSIS FOR  
DEVELOPMENT (GRADE)**

June 2000 – July 2004

Assistant Researcher, Area of Industrial Organization and Regulation  
Research Assistant, Area of Employment, Poverty and Equity

**RESEARCH CENTER OF THE  
UNIVERSIDAD DEL PACIFICO (CIUP)**

January 1999 – May 2000

Research Assistant, Area of International Economics and Businesses

**Teaching experience**

**AFRICA GROWTH AND DEVELOPMENT  
POLICY MODELLING CONSORTIUM (AGRODEP)**

2013 – 2019

- Training Course on Applied Microeconometrics (Dakar, Senegal)
- Training Course on Applied Microeconometrics (Addis Ababa, Ethiopia)

**TEXAS A&M UNIVERSITY**

August 2005 – December 2008

Department of Economics

- Instructor–Undergraduate level: Industrial Organization and Intermediate Microeconomics
- Teaching Assistant–Graduate level: Foundations of Microeconomic Theory, Econometrics I, Econometrics II and Nonparametrics (Seminar on R-project)

**UNIVERSIDAD DEL PACIFICO**

March 1999 – July 2004

Department of Economics

- Teaching Assistant–Undergraduate level: Principles of Microeconomics, Principles of Macroeconomics, Intermediate Microeconomics, Microeconomics for Business and Theory of International Trade

**PONTIFICIA UNIVERSIDAD  
CATOLICA DEL PERU**

October 2001 – April 2002

Department of Economics

- Seminar on STATA, Intermediate and Advanced Level

**Honors and Awards**

- CGIAR Inspire Challenge, Finalist Project, 2019
- 2014 Wageningen Social Sciences Publication Award for “Do energy prices stimulate food price volatility? Examining volatility transmission between US oil, ethanol and corn markets,” coauthored with Cornelis Gardebroek.
- Postdoctoral Strategic Innovation Fund, IFPRI, Winning Research Project, October 2011

**Seminars / Conference presentations**

- Graduate Teaching Excellence Award, Department of Economics, Texas A&M University, 2008
- Maurice Fellowship, Excellence in Graduate Studies, Texas A&M University, Summer 2008
- Industrial Organization Field Exam, Pass with Distinction, Fall 2006
- Texas A&M University Research Assistantship 2005 – 2009
- Fulbright Scholarship for graduate studies 2004 – 2006
- Economic and Social Research Consortium (CIES) – International Development Research Center (IDRC), Peru, Winning Research Projects, October 2001 & August 2003
- Dean’s List, Universidad del Pacifico, 1996, 1997, 1998, and 1999
- Agricultural and Applied Economics Association Annual Meeting (July 2022, July 2017, July 2016, July 2015, August 2013, August 2012)
- Agricultural Economics and Rural Policy Group Seminar Series, Wageningen University (February 2012)
- Allied Social Science Associations Annual Meeting (January 2021, January 2020, January 2016, January 2013, January 2011, January 2010)
- Asian Meeting of the Econometric Society (June 2019, June 2017, June 2014)
- Chinese Meeting of the Econometric Society (June 2016, June 2013)
- Economic Research Service ERS – USDA Seminar Series (January 2012)
- European Association of Agricultural Economists Seminar (February 2012)
- European Economic Association Annual Meeting (August 2019, August 2018, August 2014, August 2010)
- Experimental Methods in Policy (February 2014)
- International Agriculture Trade Research Consortium Annual Meeting (December 2011)
- International Industrial Organization Conference Annual Meeting (April 2015, April 2011, May 2010, April 2009)
- Latin American Meeting of the Econometric Society (November 2022, October 2021, November 2018, November 2017, November 2016, November 2014, October 2013)
- Latin American and Caribbean Economic Association Annual Meeting (November 2022, November 2019, October 2015, August 2003)
- Pacific Conference for Development Economics (March 2013)
- PERC Applied Microeconomics Workshop, Texas A&M University (October 2008)
- Southern Economic Association Annual Conference (November 2011, November 2010, November 2008)

- Texas A&M University, Department of Agricultural Economics (February 2020)
- Triennial Congress of the European Association of Agricultural Economists (September 2011)
- Triennial Conference of International Association of Agricultural Economists (August 2018, August 2015, August 2012)
- Triennial Conference of the International Economic Association (June 2017)
- University of Bonn (July 2014, January 2013)
- Cornell University (August 2018)
- University of Goettingen (May 2013)
- V Seminar on Industrial Organization and Regulation, Universidad Autónoma de Nuevo Leon (UANL), Mexico (March 2009)
- Western Economic Association Annual Conference (June 2014)

#### Referee service

- Journal of Econometrics, European Economic Review, Journal of Urban Economics, Economic Inquiry, Review of Industrial Organization, Economic Development and Cultural Change, B.E. Journal of Economic Analysis and Policy, Empirical Economics, American Journal of Agricultural Economics, European Review of Agricultural Economics, Agricultural Economics, Journal of Agricultural and Applied Economics, World Development, Food Policy, China Economic Review

#### Professional memberships

- American Economic Association, Econometric Society, Agricultural and Applied Economics Association, International Association of Agricultural Economists, Latin American and Caribbean Economic Association, American Society of Hispanic Economists

#### Computer skills

*STATA*, *Matlab*, and *R*-project, programmer level  
*Maple*, *SPSS*, *Econometric Views*, *LATEX*, user level

#### Languages

English (fluent), Spanish (native)

#### References

##### **Li Gan**

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##### **Qi Li**

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Professor and Department Head  
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