

MANUEL ESTAY MONTECINOS
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University of Concepción
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Education

- 2021 UNIVERSITY OF MASSACHUSETTS AMHERST
Doctor of Philosophy, Resource Economics, February 2021
- 2011 UNIVERSITY OF CONCEPCIÓN
Master in science in Natural Resources and Environmental Economics , March 2011
- 2008 UNIVERSITY OF LOS LAGOS
Commercial Engineer (Ingeniero Comercial), September 2008
- 2003 UNIVERSITY OF LOS LAGOS
*Bachelor in art of Business and Administration (Licenciado en Ciencias Economicas y Administrativas),
December 2003*

Languages

Spanish (native speaker)
English (fluently)

Academic Positions

- 2021 Assistant professor, University of Concepción, Chile.
- 2020–2021 Teaching Associate, University of Massachusetts Amherst, U.S.
- 2017–2019 Teaching Assistant, University of Massachusetts Amherst, U.S.
- 2014–2016 Lecture (Colaborador Académico), University of Concepción, Chile.
- 2010–2016 Academic (2013-2016) and Executive (2010-2012) Director of the Master program in Natural Resources and Environmental Economics, University of Concepción, Chile.
- 2009–2013 Adjunct professor, University of Concepción, Chile.
- 2008–2011 Adjunct professor, University of Desarrollo, Chile.
- 2001–2006 Teaching Assistant, University of Los Lagos, Chile.

Research Interests

Fishery and Aquaculture Economics.
Applied Industrial Organization.
Applied Econometrics and Microeconomics.

Research Publications

- 2021 Estay , M., and J. Stranlund (2022). “Entry, Location and Optimal Environmental Policies”. *Resource and Energy Economics*, 70.
- 2019 Chatterjee Ch., D. Mohapatra, and M. Estay (2019). “From Courts to Markets: New Evidence on Enforcement of Pharmaceutical Bans in India”. *Social Science and Medicine*, 237.
- 2016 Dresdner J. and Estay M. (2016): “Biosecurity vs. Profits: A Multi-Objective Model for the Aquaculture Industry”. *Journal of the World Aquaculture Society*, 47(1), pp.61 – 73.
- 2015 Estay M. and C. Chávez (2015): “Location decision and regulatory changes: Chilean aquaculture case”. *Lat. Am. J. Aquat. Res.*,43(4): 700-717. (In Spanish)
- 2013 Vasquez F., G. Paraje, and M. Estay (2013): “Income-related inequality in health and health care utilization in Chile, 2000-2009”. *Rev Panam Salud Publica*. 2013;33(2):98–106. (In Spanish)

Working papers and Submissions

- 2022 Location Choice in a Natural Resource Industry: The case of Chilean Aquaculture. Working Paper.
- 2022 Welfare consequences of trade associations: The case of Chilean salmon industry. With Tom Eisenberg and Debi Prasad Mohapatra. Submitted to RAND.
- 2022 The economic impact of climate change on industrial fisheries: An empirical approach. With Felipe Vazquez and Roberto Ponce. Working paper.
- 2022 Social Acceptance of Emerging Energy Sources: Evidence from marine-based energy generation in Chile. With Felipe Vazquez and Roberto Ponce. Working paper.

Research Grants and Contracts

- 2016–2017 Estimación del Empleo Indirecto Asociado a la Industria Pesquera Nacional (“Estimation of indirect employment associated with the national fisheries industry”, own translation). Associate Researcher. Instituto de Fomento Pesquero.
- 2014–2016 Evaluación socioeconómica del sector salmonicultor, en base a las nuevas exigencias de la Ley General de Pesca y Acuicultura (Socioeconomic evaluation of the requirements that the new Fisheries and Aquaculture General Law imposes on the salmon producing sector, own translation). Associate Researcher. Fondo de Investigación Pesquera y de Acuicultura. FIPA 2015-42.
- 2015–2016 Estimación del Empleo Indirecto Asociado a la Industria Pesquera Nacional (“Estimation of indirect employment associated with the national fisheries industry”, own translation). Associate Researcher. Subcontrato de proyecto Seguimiento Económico de la Industria Pesquera y Acuícola Nacional 2015, Instituto de Fomento Pesquero.
- 2014–2016 Measurement instrument of Impact and Spillovers of Regional Project in Chile. Research assistant. FONDEF Project CA13I10061.
- 2013–2014 Socio-economic assessment of administration measurement application on mixed fishery of small pelagic from center-south zone. Researcher. Undersecretary of Fisheries, Government of Chile.

- 2012–2013 Identification, Design and Feasibility Assessment of Economic Instrument Implementation for Promoting Massive Replacement of Firewood Machines. Contributor researcher. Ministry of the Environment, Government of Chile.
- 2008–2009 Measurement of Health Care Inequalities and Inequities in the Americas. Research assistant. Pan American Health Organization.
- 2010–2011 Pilot Study on the steady set-back of the surface water bodies from continental and insular sector, its impact on livestock production and its importance as climate change parameter from the last two decades in the Magallanes Region. Adjunct researcher. INIA Kampenaike, Punta Arenas, Chile.
- 2003–2004 Native Algae Protein Enrichment for Animal diet supplement and Plant development Stimulators Investigation. Research Assistant. FONDEF Project D02I1121.

Presentations and participation in scientific meetings

- 2022 Welfare consequences of trade associations: The case of Chilean salmon industry. Chilean Economists Society, Annual Meeting 2022; Valdivia, Chile: September, 2022.
- 2021 Entry, Location and Optimal Environmental Policies. XXXVII Encuentro Nacional de Escuelas y Facultades de Administración ENEFA; Virtual meeting on Zoom: November, 2021.
- 2021 Location Choice in a Natural Resource Industry: The case of Chilean Aquaculture. XXXVII Encuentro Nacional de Escuelas y Facultades de Administración ENEFA; Virtual meeting on Zoom: November, 2021.
- 2021 Entry, Location and Optimal Environmental Policies. XI Encuentro Anual de La Sociedad Chilena de Estudios Regionales; Virtual meeting on Zoom: October, 2021.
- 2021 Location Choice in a Natural Resource Industry: The case of Chilean Aquaculture. XI Encuentro Anual de La Sociedad Chilena de Estudios Regionales; Virtual meeting by Zoom: October, 2021.
- 2020 Location Choice in a Natural Resource Industry: The case of Chilean Aquaculture. XIV International Congress of Economic and Administrative Sciences on Annual meeting of Universidad Autonoma de Aguascalientes. ; Virtual meeting on Zoom: October, 2020.
- 2020 Entry, Location and Optimal Environmental Policies. 2020 RIDGE VIRTUAL FORUM; Montevideo, Uruguay ; Virtual meeting on Zoom: December, 2020.
- 2020 Use of the Economics to inform public policy: The case of Chilean Aquaculture . Economists day celebration, Universidad Autonoma de Aguascalientes. ; Virtual meeting on Zoom: November, 2020.
- 2020 Location Choice in a Natural Resource Industry: The case of Chilean Aquaculture. XIV International Congress of Economic and Administrative Sciences on Annual meeting of Universidad Autonoma de Aguascalientes. ; Virtual meeting on Zoom: October, 2020.
- 2020 Entry, Location and Optimal Environmental Policies. 2020 Annual meeting of The Northeast Agricultural and Resource Economics Association (NAREA); Virtual meeting on Zoom: June, 2020.
- 2019 Licensing and location choice in aquaculture: The case of Chile. 2019 Annual meeting of The Northeast Agricultural and Resource Economics Association (NAREA); Portsmouth, New Hampshire, USA: June, 2019.

- 2019 Location Choice in a Natural Resource Industry: The case of Chilean Aquaculture. Annual meeting of The Environment for the Future Initiative; Bogota, Colombia: November, 2019.
- 2014 Location decision and regulatory changes: Chilean aquaculture case. Chilean Economists Society, Annual Meeting 2014; Viña del Mar, Chile: 2014.
- 2014 Biosecurity vs. Profits: A Multi-Objective Model for the Aquaculture Industry. SOCHER Annual Meeting; Frutillar, Chile: 2014.
- 2014 Location decision and regulatory changes: Chilean aquaculture case. International Conference on Business Administration and Economics 2014; Talca, Chile: 2014.
- 2013 A multi-regional – multi-objective model for the fishing and aquaculture sectors. SOCHER Annual Meeting and Third Meeting of the American Association of Regional Science; Arica, Chile: 2013.
- 2013 Location decision and regulatory changes: Chilean aquaculture case. SOCHER Annual Meeting and Third Meeting of the American Association of Regional Science; Arica, Chile: 2013.
- 2012 Revisiting recoverability of preference structure in production function theory. Chilean Economists Society, Annual Meeting 2012; Viña del Mar, Chile: 2012.

Teaching

Graduate

- 2021-now Econometrics I (Econometrics theory) and Natural Resource Economics. Master Programs in Economics. Department of Economics. University of Concepción.
- 2018-2019 Summer Math Camp, Department of Resource Economics, University of Massachusetts Amherst.
- 2011–2016 Econometrics I and Microeconomics III (General equilibrium and welfare economics). Master Programs in Economics. Department of Economics. University of Concepción.
- 2011 Empirical Analysis (Applied Econometrics: Linear model, time series and limited-dependent and qualitative variables). Master in Business and Administration. University of Desarrollo.
- 2009 Microeconomics I and Microeconomics III. Master Programs in Economics. Department of Economics. University of Concepción. (TA)
- 2008 Econometrics I. Master Programs in Economics. Department of Economics. University of Concepción. (TA)
- 2008–2009 Environmental Economics. Master in Environmental Management. Faculty of Engineering, University of Desarrollo, Valdivia.

Undergraduate

University of Massachusetts Amherst

- 2020 Business Data Analysis. Operations & Information Management Department.
- 2018–2019 Environmental Economics. Department of Resource Economics. (TA)
- 2017–2019 Natural Resource Economics. . Department of Resource Economics. (TA)
- 2017 Hunger in Global Economy. Department of Resource Economics. (TA)

University of Concepción

- 2021-now Microeconomics II, Natural Resource Economics, Econometrics I, and Industrial Economics. Department of Economics.
- 2010–2016 Econometrics I (Introductory econometrics), Econometrics II (introduction to time series and limited-dependent and qualitative variables), Microeconomics I (consumer theory, production theory, perfect competition and monopoly), Microeconomics II (topics in microeconomics: inter-temporal equilibrium, choice under uncertainty, asymmetric information, others), Microeconomics III (Imperfect competition and game theory) for Economics Degree, Department of Economics.
- 2010–2011 Microeconomics I, Macroeconomics I, Econometrics, Macroeconomics II, Economics, and Foreign Trade. Bachelor's Degree in Business Administration, Chillán.
- 2009–2011 Economics (Introduction to economics), Microeconomics I (consumer theory, production theory and perfect competition). Faculty of Engineering, Industrial Engineering Department.
- 2010 Environmental Valuation for Economics Degree. (In collaboration with Felipe Vásquez, Ph.D.). Department of Economics.
- 2009–2010 Level in Microeconomics for first term Master Program's students. . Department of Economics.

University of Desarrollo

- 2011 Economic Environment Analysis (Bachelor course in macroeconomics for no economists), Introduction to Microeconomics. (Bachelor course in microeconomics). Faculty of Business and Economics, Concepción.

University of Los Lagos

- 2001-2006 Teaching assistant for Evaluation and Project Preparation (2nd sem. 2004, 1st and 2nd sem. 2005, 1st sem. 2006). Basic Informatics, Econometrics, Prices Theory II y Advanced Finances (1st sem. 2004). Business Game (2nd sem. 2004). Basic Informatics and Prices Theory II (1st sem. 2003). Advanced Informatics and Macroeconomics II (2nd sem. 2003). Finances I and Cost Accounting (2nd sem. 2002). Prices Theory I and General Accounting (1st sem. 2001). Personnel Administration I y Cost Accounting (2° sem. 2001).

Professional experience

- 2012–2013 Thesis Coordinator of the Master's degree Program in Natural Resources and Environmental Economics, and Master Program in Applied Economics. Faculty of Economic and Business Administration, University of Concepción, Chile.
- 2006–2007 Credits Program Manager for micro entrepreneurs in the province of Osorno. In addition, perform administrative tasks for Project Labor and Employment Reintegration FOSIS developed by OCAC. The OCAC Foundation, Osorno, Chile.
- 2005–2006 Administrative and Project Evaluator. Develop preparation and planning tasks of several internal projects of the university. University of Los Lagos, Osorno, Chile.

2004–2006 Micro-entrepreneurship and employment project of FOSIS 2005, developed by the OCAC Foundation. OCAC Foundation, Osorno, Chile.

Other studies

2014 PhD course in Natural Resource Economics and PhD course in Climate Challenge: Science, Economics and Global Energy Perspectives. University of Gothenburg, Gothenburg, Sweden.

2004 Development Workshop Entrepreneurial capacity dictated by Xp Ltd. consultants. University of Los Lagos, Osorno, Chile.

Fellowships and Awards

2016–2020 Fellowship of The Advanced Human Capital Program of the National Commission for Scientific And Technological Research (CONICYT-2015-72160379)

2016–2020 Fellowship for graduate studies of The University of Concepción.

2016-2020 Teacher Assistantships of the Department of Resource Economics, University of Massachusetts Amherst.

2019 Carolyn Harper Memorial Award. Department of Resource Economics, University of Massachusetts Amherst.

2019 Conference Travel Funding. Department of Resource Economics, University of Massachusetts Amherst.

2019 Conference Travel Funding. Environment for Development Initiative.

2014 Scholarship to assist to the PhD courses in Climate, Natural Resources, Policy Instruments and Development Micro Economics. University of Gothenburg, Gothenburg, Sweden.

Affiliations

Chilean Society of Regional Studies (SOCHER for its acronym in Spanish).

Latin American Association of Environmental and Resource Economists.

Other information

Student Representative for Master's students in 2008-2009: Elected by his peers.

Software usage:

Stata, Matlab, Windows, Microsoft Office, and Scientific WorkPlace. Advanced Level

R software and LyX. User Level.

References

Prof. John Stranlund. Department Resource Economics, University of Massachusetts Amherst. (stranlund@resecon.umass.edu)

Prof. Debi Prasad Mohapatra, Department Resource Economics, University of Massachusetts Amherst. (dmohapatra@umass.edu)