

# NATHALY M. RIVERA

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## RESEARCH AREAS

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Environmental and Resource Economics, Energy Economics, Applied Econometrics.

## CURRENT POSITION

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Research Fellow, Department of Economics (FEA), University of São Paulo 2020 -

## EDUCATION

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Ph.D. Agricultural, Food and Resource Economics, Michigan State University 2018  
- Major Field: Environmental and Resource Economics  
- Dissertation Topic: "*Essays in Environmental Quality with Polluting Industries*"  
M.Sc., Economics (highest honors), Universidad Católica del Norte, Chile 2012  
B.Sc., Economics (highest honors), Universidad Católica del Norte, Chile 2009

## OTHER POSITIONS AND PROFESSIONAL EXPERIENCE

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Inter-American Development Bank, Consultant 2020 - Present  
University of Alaska Anchorage, Department of Economics, Postdoctoral Fellow 2018 - 2020  
Michigan State University, AFRE, Research Assistant 2017 - 2018  
Michigan State University, NCRCD, Research Assistant 2013 - 2015  
University of Illinois at Urbana-Champaign, REAL, Visiting Scholar 2015  
The World Bank, LAC Region, Chief Economist's Office, Short-Term Consultant 2011 - 2012  
Universidad Católica del Norte, IDEAR, Research Assistant 2008 - 2011

## HONORS AND AWARDS

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Ronald Coase Institute Fellowship 2019  
Best Presentation Award in ERE. Michigan State University 2018  
Summer Fellowship. CANR, Michigan State University 2014 - 2017  
Thomas K. Cowden Memorial Fellowship. Michigan State University 2016  
Gary S. Murphy Endowed Fellowship. Michigan State University 2013  
OISS Tuition Award. Michigan State University 2012 - 2015  
Ph.D. Fulbright Scholar. FULBRIGHT, IIE 2012 - 2016  
Ph.D. Scholarship. Becas Chile, CONICYT. Government of Chile 2012 - 2016  
M.Sc. Tuition Award. Department of Economics, UCN, Chile 2009  
Best Academic Performance Award, Class of 2009. Department of Economics, UCN, Chile 2009  
Best Engineer Award. Chilean Engineering School 2009  
Best Academic Performance Award. Department of Economics, UCN, Chile 2005  
Travel Grants: LACEEP (2018, 2015); EAERE (2018); Michigan State University (2018, 2017, 2016, 2015); CIDE - Mexico (2015).

## PEER-REVIEWED PUBLICATIONS

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Oil, Politics, and “Corrupt Bastards” (*with* A. James) - **Journal of Environmental Economics and Management**, **2022**, 111, 102599. [\[View\]](#)

Coal-to-Gas Fuel Switching and its Effects on Housing Prices (*with* S. Loveridge) - **Energy Economics**, **2022**, 106, 105733. [\[View\]](#)

Air Quality Warnings and Temporary Driving Bans: Evidence from Air Pollution, Car Trips, and Mass-Transit Ridership in Santiago - **Journal of Environmental Economics and Management**, **2021**, 108, 102454. [\[View\]](#)

Is Mining an Environmental Disamenity? Evidence from Resource Extraction Site Openings - **Environmental and Resource Economics**, **2020**, 75, pages 485–528. [\[View\]](#)

Spatial Aggregation Bias in Implicit Prices of Environmental Amenities - **Economics Bulletin**, **2019**, 39(2), 1184-1194. [\[View\]](#)

Mineral Taxes and the Local Provision of Public Goods in Mining Communities (*with* D. Paredes) - **Resources Policy**, **2017**, 53, pages 328-339. [\[View\]](#)

Disaggregation of Sectors in Social Accounting Matrices Using a Customized Wolsky Method: A Comment on its Estimation Bias - **Applied Economics Letters**, **2016**, 23(11), 785-789. [\[View\]](#)

Scales of Production and Mining Economies. The Case of Chile in its Regional Dimension (*with* P. Aroca, *in Spanish*) - **EURE**, **2014**, 40(121), 247-270. [\[View\]](#)

## WORKING PAPERS

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The Health Benefits of Solar Power Generation: Evidence from Chile (*with* E. Spiller and J. C. Ruiz-Tagle) - *Environmental Defense Fund Economics Discussion Paper Series*, EDF EDP 21-02 - *Under Review*.

Association Between Long-Term Air Pollution Exposure and COVID-19 Mortality in Latin America (*with* J. A. Bonilla, A. Lopez-Feldman, P. Pereda, and C. Ruiz-Tagle) - *Under Review*.

Digging Deep: Resource Exploitation and High-Level Education (*with* L. Balza and C. De Los Rios)

## WORK IN PROGRESS

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Blasting Dust: The Impact of Chile’s Copper Mining on Local Pollution and Health (*with* L. Balza, C. De Los Rios, and G. Ahumada)

Renewables, Pollution Avoided, and Infant Health: Evidence from Quotas to Large-Scale Renewable Generation (*with* E. Spiller)

Water Scarcity, Fossil Fuels, and the Electricity Generation Mix: The Pollution and Health Impact of Droughts in Brazil (*with* Danae Hernandez-Cortes)

The Health and Distributional Consequences of Mining Disasters: Evidence from the Recent Tailing Dam Ruptures in Brazil (*with* L. Balza)

Environmental Enforcement in the Aftermath of Major Environmental Disasters (*with* L. Balza)

## CHAPTERS IN BOOKS

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“Project Analysis and the Regional Dimension” (*with* P. Aroca), in *Evaluación Social de Proyectos: Orientaciones para su Aplicación*, Aguilera, R. (Editor). Facultad de Ciencias Sociales, Universidad de la República, Uruguay. 2011. (*In Spanish*)

“Copper Mining in the Antofagasta Region” (*with* P. Aroca), in *Región de Antofagasta, Pasado, Presente y Futuro*, Llagostera, A. (Editor). Ediciones Universitarias, Universidad Católica del Norte, Chile.

2010. (*In Spanish*)

“Water Resources in a Dry Area” (with M. Lufin and M. Hasewaga), in *Región de Antofagasta, Pasado, Presente y Futuro*, Llagostera, A. (Editor). Ediciones Universitarias, Universidad Católica del Norte, Chile. 2010. (*In Spanish*)

“La Experiencia del Instituto de Economía Aplicada Regional (IDEAR) de la Universidad Católica del Norte” (with E. López), in *Centros de pensamiento estratégico territorial: Instrumentos de la gobernanza regional en Chile*, Vergara, P. (Editor). Subsecretaría de Desarrollo Regional y Administrativo, Chile. 2010.

## SELECTED CONFERENCE AND INVITED PRESENTATIONS

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- 2022: University of Chile. PUC-Chile (Econ). EESP-FGV. INSPER. LAERE (scheduled). CAF (scheduled).
- 2021: AARES. Tercer Workshop Sobre Economía del Cambio Climático y Medio Ambiente (UCA-Argentina). University of Talca, Chile. 7th Canadian Workshop in Environmental and Resource Economics. SETI-Chile. AERE@WEAI. EMEE 2021 Summer Workshop. SECHI-2021. SOCHER-2021. EFD-Chile. LACEA/LAMES Annual Conference. EFD Annual Meeting. CERE’s seminars at Umeå University.
- 2020: CIDE, Mexico. PUC-Chile (Ag. Econ). FEA-USP.
- 2019: 7th Economics of Low-Carbon Markets (FEA-USP). The Ronald Coase Institute Workshop, Poland. Universidad Adolfo Ibañez, Chile. Universidad Católica del Norte, Chile. 25th EAERE Annual Meeting, UK. Camp Resources XXVI, USA.
- 2018: LACEA/LAMES Annual Conference, Ecuador. World Congress in Environmental and Resource Economics (WCERE), Sweden. Graduate Research Symposium (AFRE-MSU). Universidad del Rosario, Colombia. Banco de la República de Colombia. Pontificia Universidad Javeriana, Colombia. University of Alaska Anchorage ( $\times 2$ ), University of Gothenburg, Sweden.
- 2017: 19th CU Environmental and Resource Economics Workshop. MSU/UM/WMU Energy & Environmental Economics Day. AAEA Annual Meeting. AERE Annual Summer Conference.
- 2016: Southern Economics Association Annual Meeting (AERE sessions). MSU/UM/WMU Energy & Environmental Economics Day. Midwest Economics Association Annual Meeting. AFRE-MSU Graduate Research Symposium.
- 2015: NARSC. Heartland Environmental & Resource Economics Workshop. Latin America Energy & Environmental Economics Workshop (CIDE, Mexico). MSU/UM/WMU Energy & Environmental Economics Day. LACEEP Workshop. REAL Seminars, UIUC. AFRE-MSU Graduate Research Symposium.

## TEACHING EXPERIENCE

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University of Alaska Anchorage:

- Instructor: Principles of Microeconomics (undergraduate level). Fall 2018, 2019/Spring 2019, 2020

Michigan State University:

- Instructor: Ecological Economics (undergraduate level). Fall 2017
- Graduate Teaching Assistant: Ecological Economics (Dr. Cloé Garnache). Fall 2016
- Graduate Teaching Grader: World Food Population & Poverty (Dr. Andrew Dillon). Spring 2016

Universidad Católica del Norte, Chile:

- Instructor: Econometrics, Multivariate Analysis. 2010
- Teaching Assistant: Econometrics, Macroeconomics. 2007

Universidad Santo Tomás, Chile:

- Instructor: Microeconomics, Marketing Research. 2009.
- Teaching Assistant: Econometrics, Macroeconomics, Finance. 2007-2008

## GRADUATE STUDENT ADVISING

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Tiago Ferraz (“Banca de Avaliação de Progresso”, FEA-USP, PhD).

Banca de Avaliação de Monografias, FEA-USP, Bacharel em Economia, 2021.

## PROFESSIONAL ASSOCIATIONS

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American Economic Association (AEA), Association of Environmental and Resource Economists (AERE), Latin American and Caribbean Economic Association (LACEA), Latin American Association of Environmental and Resource Economists (LAERE).

## PROFESSIONAL SERVICE

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**Referee Activity** (journals only listed once even if refereed multiple times)

*Applied Economics, Environment & Development Economics, Environmental & Resource Economics, Journal of Agricultural and Resource Economics, Journal of Environmental Economics and Management, Latin American Economic Review, Letters in Spatial & Resource Sciences, Resources and Energy Economics, Resources Policy.*

**Research Grant Proposals Evaluating Committee**

Fondecyt-Chile, Iniciación (2015, 2021). Fondecyt-Chile, Regular (2016 × 2, 2021 × 2).

## CONFERENCE SERVICE

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**Scientific Committee**

AERE Summer Conference (2019, 2020). 42nd Annual Meeting of the Brazilian Econometric Society (Microeconomics, 2020).

**Conference/Seminar Organization**

Internal Seminar Series, Department of Economics, FEA-USP (Co-organizer, 2021-2022).

## TRAINING

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Spatial Analysis in Economics and the Environment, WCERE, Sweden	June 2018
Energy Economics, Barcelona Graduate School of Economics, Spain	May 2016

## OTHER ACTIVITIES

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Environmental Economics Reading Group. Michigan State University	2015 - 2018
Secretary/Treasurer. GSO-AFRE. Michigan State University	2015 - 2017
Cook Hall Representative. GSO-AFRE. Michigan State University	2014 - 2015
Columnist. Virtual Magazine of Cinema and Culture: <i>www.elotrocine.cl</i> , Chile	2010

## MISCELLANY

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- Citizenship: Chile
- Softwares: Stata, R, Matlab, Python, L<sup>A</sup>T<sub>E</sub>X
- Languages: English (Fluent), Spanish (Native), Portuguese (Intermediate), French (Beginner)

## REFERENCES

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**Scott Loveridge**, Assistant Dean and Full Professor. Department of Agricultural, Food and Resource Economics. Michigan State University, USA. [loverid2@msu.edu](mailto:loverid2@msu.edu), +1 517 432 9969.

**Alexander James**, Associate Professor. Department of Economics. University of Alaska Anchorage, USA. [ajames27@alaska.edu](mailto:ajames27@alaska.edu), +1 530 566 4923.

**Elishaba Spiller**, Lead Senior Economist. Environmental Defense Fund, New York, USA. [espiller@edf.org](mailto:espiller@edf.org), +1 212 616 1375.

**Jim Murphy**, Full Professor. Department of Economics. University of Alaska Anchorage, USA.  
[murphy@alaska.edu](mailto:murphy@alaska.edu), +1 907 786 1936.