

Juan-Camilo Cárdenas
<http://ideas.repec.org/e/pca171.html>
[Google Scholar profile](#)

Office:
203 Crotty Hall
Department of Economics
University of Massachusetts Amherst
Amherst, MA 01002 U.S.A.

Email: juancamilo@umass.edu

BIOGRAPHICAL

Born, 12/10/65 in Bogotá, Colombia; Married since 1988; Two Children

CURRENT ACADEMIC

Research: Micro-foundations of social exchange. Analysis and design of institutions (rules) that promote sustainable, efficient and fair use of common resources and provision of local public goods. Effects of inequality and regulations in the management of the common good. Applications of experimental economics in the field.

Professor
Economics Department
University of Massachusetts Amherst

June 2021 - Present

Professor (on leave)
School of Economics, Universidad de los Andes, Bogotá, COLOMBIA

EXTERNAL AFFILIATE FACULTY
OSTROM WORKSHOP IN POLITICAL THEORY AND POLICY ANALYSIS, INDIANA UNIVERSITY.

ADJUNCT ASSOCIATE PROFESSOR
DEPARTMENT OF RESOURCE ECONOMICS, UNIVERSITY OF MASSACHUSETTS-AMHERST.

BOARDS

- Advisory Council, Center for Behavior & The Environment RARE
- Board, World Wildlife Fund WWF Colombia.
- Review Editor for IPBES (Intergovernmental Science-Policy Platform on Biodiversity and Ecosystem Services)
- Board member, Beijer Institute of Ecological Economics (2018-2021)
http://www.beijer.kva.se/board_members.php

EDUCATION

Post-Doctoral: **August 1999 - June 2000**
Indiana University - Bloomington, USA
Visiting Scholar, Workshop in Political Theory and Policy Analysis, and
The International Forestry Resources and Institutions Research Program (IFRI).

Ph.D., Environmental and Resource Economics **Spring 2000**
University of Massachusetts - Amherst, USA
Dissertation: "Rural Institutions, Poverty and Cooperation: Learning from Experiments and Conjoint Analysis in the Field".

Winner of the Joseph L. Fisher Dissertation Award, Resources for the Future, Washington. Involves field work with rural communities in Colombia using experimental economics and conjoint valuation techniques for studying the problems of cooperation in local commons dilemmas in ecosystems that host high levels of biodiversity. Dissertation Committee: Dr. Cleve E. Willis, Dr. John K. Stranlund, Dr. Tom Stevens, Dr. Samuel Bowles.

Visiting Fellow **Summer 1998**

Economic Science Laboratory

University of Arizona, Tucson

Fourth Annual 1998 Visiting Graduate Student Workshop in Experimental Economics. July 29 - August 5, 1998.

Master of Science, Environmental and Resource Economics **1991 - 94**

University of Massachusetts, Amherst

Thesis: "People, Trees, Land and Water: Tales about economic and ecological interdependence and the role of institutions in Northern Boyacá, Colombia".

B.S. Industrial Engineering **1984 - 89**

Universidad Javeriana

PROFESSIONAL AND ACADEMIC EXPERIENCE (CHRONOLOGICAL ORDER)

Professor, University of Massachusetts – Amherst **2021 - Present**

Professor Universidad de los Andes (on leave) **2008 to present**

Associate Professor **2004 to 2008**

Facultad de Economía, Universidad de Los Andes, Bogotá.

Robert F. Kennedy Visiting Professor of Latin American Studies **Fall 2008**

Harvard University, David Rockefeller Center of Latin American Studies

International Fellow **2002-2004**

The Santa Fe Institute, New Mexico, USA

Associate Professor **2000 to 2003**

School of Environmental and Rural Studies, Pontificia Universidad Javeriana

Courses: Economics of Institutions and the Environment; Environmental Economics; Ecological Economics.

Visiting Scholar **Fall 1999 - Spring 2000**

Workshop in Political Theory and Policy Analysis, Indiana University

Teaching Assistant **1996 - 99**

Department of Resource Economics, University of Massachusetts, Amherst

Graduate course in econometrics (Spring 96, 97, 98, 99); Undergraduate courses in Statistics (Fall 97, 98)

AWARDS AND SCHOLARSHIPS

- Finalist award to the best instructor in economics and business 2020, Periódico Portafolio, Colombia <https://www.portafolio.co/negocios/premios-portafolio-edicion-2020-543961>
- Mención de Honor "Fundación Alejandro Ángel Escobar" Science Prize in Environment and Sustainable Development 2018. Proyecto "Basic - Cartagena: Interacciones entre cuenca, mar y comunidades – ciencia para tomadores de decisión". Autores: Juan Darío Restrepo Ángel (Coordinador), Profesor Investigador de la Universidad EAFTT, Medellín, Juan Camilo Cárdenas Campo, Profesor Titular de la Universidad de Los Andes, Bogotá, D.C, y Doris Esther Gómez Camargo, Directora del Doctorado en Medicina Tropical de la Universidad de Cartagena.
- Rockefeller Foundation Bellagio Center Residency, 2016. Bellagio, Italy.

- Selected in 2014 as one of the 30 Colombian leaders by Revista Semana and the Leadership and Democracy Foundation. <http://fundacionlyd.org/proyectos/mejores-lideres-2014>
<http://www.semana.com/nacion/multimedia/juan-camilo-cardenas-pedagogo-revolucionario/405605-3>
- Recipient of the SCOPUS-Elsevier Colombia Award 2013 for the highest H-index in the Humanities in the country. <http://www.colciencias.gov.co/noticias/premiados-7-investigadores-colombianos>
- Recipient of the 2009 “Fundación Alejandro Angel Escobar” Science Prize in Environment and Development, for the book “Dilemas de lo Colectivo: Instituciones, pobreza y cooperación en el manejo local de los recursos de uso común”. <http://www.faae.org.co/html/prizes.htm>
- Robert F. Kennedy Visiting Professor of Latin American Studies - Fall 2008, David Rockefeller Center of Latin American Studies, Harvard University.
- Premio Biental al Investigador Javeriano en Ciencias Sociales. Biannual Award to the researcher in social sciences, Javeriana University, Agosto, 2003
- Santa Fe Institute International Fellowships Competition. Junior Award (2002-2004)
<http://www.santafe.edu/sfi/education/international/intlfellows/intlfal02/index.html>
- First Place. Research Medal Awards (Category “Environmental and Social Sustainability”) 2000
Second “Global Development Network GDN” Conference GDN2000 Tokyo, Japón, December 11-13, 2000. Paper: “Real Wealth and Experimental Cooperation: Evidence from Field Experiments”. <http://www.gdnet.org/>. Selection committee chaired by Joseph E. Stiglitz. Committee members: Nancy Birdsall, Francois Bourguignon, Takatoshi Ito and Amartya Sen.
- Research and Writing Grants Competition (2000-2001), The John D. and Catherine T. MacArthur Foundation, Program on Global Security and Sustainability. Project: "OBSERVING PEOPLE IN THE FIELD LAB: Learning through Field Experiments about Cooperation in Communities Using Biodiversity Resources". Amount awarded: US\$70,992.
- Joseph L. Fisher Dissertation Award for 1999-2000 1999
Resources for the Future. Washington, D.C..
- WWF Prince Bernhard Scholarship for Nature Conservation 1999
WWF World Wide Fund for Nature. WWF International, Gland, Switzerland.
- Outstanding Teaching Assistant Award Academic year 1998-99
Department of Resource Economics, University of Massachusetts, Amherst. Vijay Bhagavan Memorial Fund.
- Carolyn Harper Award for academic achievement, concern for social and environmental issues, and the importance of social diversity. Department of Resource Economics. University of Massachusetts at Amherst. September, 1993.
- Inter-American Foundation - USGS Graduate Studies Fellow 1997/98.
- Fulbright scholar for graduate studies. Host institution: UMASS/Amherst. Sponsor institution: Universidad Javeriana, Bogota-Colombia. 1991-1993.
- 1993 LASPAU Award for Cooperative Research. Latin American Scholarship Program of American Universities. Fall, 1993.
- Fondo FEN para el Medio Ambiente. Mention of Honor to IDEADE: Proyecto de investigación participativa en Ecodesarrollo, Norte y Gutierrez, Boyacá, Colombia. Member team, 1992.

EDITORIAL WORK AND REVIEWING (JOURNALS):

- Associate Editor, International Review of Economics
- Associate Editor, Ecology and Society
- Associate Editor, Latin American Economic Journal.
- Guest editor for a Special Issue on “Collective action and the governance of the commons in Latin America”, Ecological Economics, December issue, 2015.
- Reviewer for the American Economic Review, Review of Economic Studies, Economic Inquiry, World Development, Journal of Economic Behavior and Organization, Journal of Development Economics, Journal of Public Economics, Journal of the European Economic Association, European Economic Review, Experimental Economics, Ecological Economics, Land Economics, Economic Letters, Nature Climate, American Journal of Political Science, Public Choice, Journal of Conflict Resolution, Rationality & Society, Resource and Energy Economics, Ecology & Society, Journal of Policy Analysis and Management, Cuadernos de Desarrollo Rural, Política Agrícola, Desarrollo & Sociedad, Revista de Economía del Rosario.

Doctoral Students at Universidad de los Andes:

- Cesar Mantilla: <https://sites.google.com/site/cesarmantilla/>, graduated 2013. Dissertation title: “Human Cooperation in the Lab and in the Field: Experimenting with Economics”.
- Santiago Gomez, Graduated 2018. Dissertation title: “Market Institutions and Social Life. Essays on Risk and Cooperative Behavior.” <https://sites.google.com/view/santiago-gomez-cardona/home>
- Ruth Guillén Salas, Graduated 2019. Dissertation title: “Three Essays on Dishonesty and Corruption”
- José David Lopez, Graduated 2020 <https://www.josedavidlopezrivias.com/>

Doctoral students at other universities:

- Adolfo Eslava, “Análisis institucionalista de atributos y capacidades de comunidad para la construcción de políticas públicas incluyentes. el caso del urbanismo social en Medellín 2004-2011”. Doctorado Estudios Políticos, Universidad Externado de Colombia. 2015.
- Co-chair with Roldan Muradian. Adriana Gaviria, INEQUALITY, EMOTIONS AND RECONCILIATION: EXPLORATORY LAB IN THE FIELD EXPERIMENT IN COLOMBIA. Graduate Program in Economics of the Universidade Federal Fluminense (UFF, Brasil). 2021

Evaluator Doctoral Dissertations:

- Jurado, tesis doctoral “Social capital, Trust and Provision of local Public Goods “. Université Paris 1 - Panthéon Sorbonne, U.F.R de Sciences Economiques. Nov.2013
- Jurado, tesis doctoral “Un análisis de los determinantes del repago bajo Contratos de Préstamo Grupal”. Juan Manuel Santiago Pulido, Doctorado en Economía, Universidad Nacional de Colombia
- Rapporteur du Jury, doctoral dissertation “Arrangements institutionnels et modèles mentaux dans la gestion des biens communs” by Daniel Castillo. Université Paris Ouest Nanterre La Défense.
- Jurado lector, Tesis Doctoral Daniel Revollo, UNAM, México, "Eficiencia Técnica, Social Y Económica De La Pesquería De Abulón Bajo Un Esquema De Gestión Por Medio De Reservas Marinas: El Caso De Isla Natividad, Baja California, México”.
- Maastricht University, The Neatherlands. Evaluator Ph.D. Dissertation Ben D'Exelle, "Inequality, Networks and Exclusion: Distributive Decision Making in Small-scale Societies". May 28, 2008 aula of minderbroedersberg.
- Gotheburg University, Sweden. (Opponent, Dissertation Marcela Ibañez "Social Dilemmas: The role of incentives, norms and institutions" on Monday 26 of November, 2007.

PROFESSIONAL CONTRIBUTIONS AND AFFILIATIONS

- Executive Committee, Economic Science Association (2018-2020)
- Consejo Directivo, Corpovisionarios. 2016-2020.
- Miembro del Consejo Superior, Universidad de Los Andes (2013-2014)
- Scientific Council, Instituto Alexander von Humboldt
- Executive Committee, Steering Committee, CAPRI. The System-wide Program on Collective Action and Property Rights initiative at the CGIAR. www.capri.cgiar.org
- Miembro del Consejo Directivo Fundación Natura (2004-2006)
- Miembro de Comité Editorial, *Environment and Development Economics*, Cambridge University Press. http://www.cambridge.org/journals/journal_catalogue.asp?mnemonic=EDE
- Miembro de Comité Editorial, Revista *Desarrollo y Sociedad*, Universidad de los Andes, 2004-fecha
- Miembro de Comité Editorial, *Revista de Economía del Rosario*, Universidad del Rosario, 2006-fecha

- MEMBER OF:
 - AMERICAN ECONOMICS ASSOCIATION, AEA
 - INTERNATIONAL SOCIETY FOR ECOLOGICAL ECONOMICS
 - INTERNATIONAL ASSOCIATION FOR THE STUDY OF THE COMMONS
 - LATIN AMERICAN STUDIES ASSOCIATION (LASA)
 - ECONOMIC SCIENCE ASSOCIATION

PUBLICATIONS AND PAPERS:

Selected peer-reviewed articles:

- Chapin, F. Stuart, et al. "Earth stewardship: Shaping a sustainable future through interacting policy and norm shifts." *Ambio* (2022): 1-14.
- Levin, S.A., Anderies, J.M., Adger, N. et al. "Governance in the Face of Extreme Events: Lessons from Evolutionary Processes for Structuring Interventions, and the Need to Go Beyond". *Ecosystems* (2021). <https://doi.org/10.1007/s10021-021-00680-2>
- Eriksson, Kimmo, et al. "Perceptions of the appropriate response to norm violation in 57 societies." *Nature communications* 12.1 (2021): 1-11.
- Vélez, M. A., Robalino, J., Cardenas, J. C., Paz, A., & Pacay, E. (2020). "Is collective titling enough to protect forests? Evidence from Afro-descendant communities in the Colombian Pacific region". *World Development*, 128, 104837.
- Mantilla C, Sethi R, Cárdenas JC. (2020) Efficiency and stability of sampling equilibrium in public goods games. *Journal of Public Economic Theory*. 2018;1–16. <https://doi.org/10.1111/jpet.12351>
- Schill, C, J.Anderies, T.Lindahl, C.Folke, S.Polasky, J.C.Cárdenas, A.S.Crépin, M.Janssen, J.Norberg, M.Schlüter (2019) "A more dynamic understanding of human behaviour for the Anthropocene". *Nature Sustainability*. 2019. <https://doi.org/10.1038/s41893-019-0419-7>
- Cárdenas, Juan-Camilo, Santiago Gómez, and César Mantilla. "Between-group competition enhances cooperation in resource appropriation games." *Ecological economics* 157 (2019): 17-26.
- Finkbeiner, E. M., Micheli, F., Saenz-Arroyo, A., Vazquez-Vera, L., Perafan, C. A., & Cárdenas, J. C. (2018). Local response to global uncertainty: Insights from experimental economics in small-scale fisheries. *Global Environmental Change*, 48, 151-157.

- Peña, Ximena, María Alejandra Vélez, Juan Camilo Cárdenas, Camilo Matajira y Natalia Perdomo (2017). "Collective Property Leads to Household Investments: Lessons from Land Titling in Afro-Colombian Communities." *World Development* 97 (2017): 27-48.
- Cárdenas, J.C., Marco A. Janssen, Manita Ale, Ram Bastakoti, Adriana Bernal, Juthathip Chalermphol, Yazhen Gong, Hoon Shin, Ganesh Shivakoti, Yibo Wang, and John M. Anderies (2017) "Fragility of the provision of local public goods to private and collective risks". *Proc. Natl. Acad. Sci. USA* 2017 0: 1614892114v1-201614892
- Cardenas, J.C. (2016) "Human behavior and the use of experiments to understand the agricultural, resource, and environmental challenges of the XXI century". *Agricultural Economics*. 47(S1), 61-71
- Roldan Muradian, Juan Camilo Cardenas (2015) "From market failures to collective action dilemmas: Reframing environmental governance challenges in Latin America and beyond". *Ecological Economics*, Volume 120, Pages 1-450 (December 2015): 358-365.
- Cárdenas, J.C., A.Dreber, E.von Essen, E.Ranehill (2015) "Cooperativeness and competitiveness in children". *Journal of Behavioral and Experimental Economics*, Vol.59(2015): 32-41
- Cardenas, J.C., Cesar Mantilla, Rajiv Sethi (2015) "Stable Sampling Equilibrium In Common Pool Resource Games". *Games*. 2015, 6(3), 299-317.
- Pascual-Ezama, David, Toke R. Fosgaard, Juan Camilo Cardenas, Praveen Kujal, Robert Veszteg, Beatriz Gil-Gómez de Liaño, Brian Gunia, Doris Weichselbaumerh, Katharina Hilken, Armenak Antinyan, Joyce Delnoij, Antonios Proestakis, Michael D. Tira, Yulius Pratomo, Tarek Jaber-López, Pablo Brañas-Garza. "Context-dependent cheating: Experimental evidence from 16 countries". *Journal of Economic Behavior & Organization* 116 (2015) 379-386
- Cárdenas, J.C., C.Mantilla (2015) "Between-group competition, intra-group cooperation and relative performance". *Frontiers in Behavioral Neuroscience*. 17 February 2015, doi:10.3389/fnbeh.2015.00033
- Cárdenas, J.C., A.Dreber, E.von Essen, E.Ranehill (2014) "Gender and Cooperation in Children: Experiments in Colombia and Sweden". *PLOS ONE*. March 10, 2014 DOI: 10.1371/journal.pone.0090923
- Cárdenas, J.C. Nicolas De Roux, Christian R. Jaramillo, Luis Roberto Martinez (2014) "Is it my money or not? An experiment on risk aversion and the house-money effect". *Experimental Economics*, March 2014, Volume 17, Issue 1, pp 47-60
- Cardenas, J.C. N.Mendez & A.Casas (2014) "The Hidden Face of Justice: Fairness, Discrimination and Distribution in Transitional Justice Processes". *Peace Economics, Peace Science and Public Policy*. Volume 20, Issue 1, Pages 33-60, ISSN (Online) 1554-8597, ISSN (Print) 1079-2457, DOI: 10.1515/peps-2013-0052, January 2014
- Gelcich, S., R. Guzman, C. Rodriguez-Sickert, J. C. Castilla, and J. C. Cárdenas. 2013. Exploring external validity of common pool resource experiments: insights from artisanal benthic fisheries in Chile. *Ecology and Society* 18(3): 2. <http://dx.doi.org/10.5751/ES-05598-180302>
- Cardenas, J.C., A.Chong, H.Ñopo (2013) "Stated social behavior and revealed actions: Evidence from six Latin American countries". *Journal of Development Economics* 104 (2013) 16-33.
- Janssen, M. F.Bousquet, J-C. Cardenas, D.Castillo, K.Worrapimphong (2013) "Breaking the elected rules in a field experiment on forestry resources". *Ecological Economics*, 90 (2013) 132-139.
- Cardenas J.C. and J. Carpenter (2013) "Risk attitudes and economic well-being in Latin America". *Journal of Development Economics*, Volume 103, July 2013, Pages 52-61, <http://dx.doi.org/10.1016/j.jdeveco.2013.01.008>
- Siren, Anders, J.C. Cardenas, Peter Hambäck and Kalle Parvinen (2013) "Distance friction and the cost of hunting in tropical forest". *Land Economics* August 1, 2013 vol. 89 no. 3 558-574.
- Janssen, M.A.; François Bousquet; Juan-Camilo Cardenas; Daniel Castillo; Kobchai Worrapimphong (2012). "Field Experiments on Irrigation Dilemmas". *Agricultural Systems*, 109. pp. 65-75.
- Henrich, J., R. Boyd, R.McElreath, M.Gurven, P.J. Richerson, J.Ensminger, M.Alvard, A. Barr, C. Barrett, A. Bolyanatz, C. Camerer, J-C. Cardenas, E. Fehr, H. M. Gintis, F. Gil-White, E. Gwako, N. Henrich, K. Hill, C. Lesorogol, J. Patton, F.Marlowe, D. Tracer, J. Ziker (2012) "Culture does account for variation in game behavior" *PNAS* January 10, 2012 vol. 109 no. 2 E32-E33

- Atanasio, O., A. Barr, J.C. Cardenas, G. Genicot and C. Meghir (2012) “Risk Pooling, Risk Preferences, and Social Networks”, *American Economic Journal: Applied Economics*, 4(2), 134-67
- Cárdenas, J.-C., Anna Dreber, Emma von Essen and Eva Ranehill (2011). “Gender differences in competitiveness and risk taking: Comparing children in Colombia and Sweden”. *Journal of Economic Behavior and Organization* (2011), doi:10.1016/j.jebo.2011.06.008
- Carpenter, J. and J.C. Cardenas (2011) “An Intercultural Examination of Cooperation in the Commons”. *Journal of Conflict Resolution* 55(4): 632-651 (2011).
- Anderies, John M., Marco A. Janssen, François Bousquet, Juan-Camilo Cardenas, Daniel Castillo, Maria-Claudio Lopez, Robert Tobias, Björn Vollan, Amber Wutich (2011) “ The challenge of understanding decisions in experimental studies of common pool resource governance”. *Ecological Economics*. Volume 70, Issue 9: 1571-1579.
- Janssen, Marco, John M. Anderies, Juan-Camilo Cardenas (2011) “Head-enders as stationary bandits in asymmetric commons: Comparing irrigation experiments in the laboratory and the field”. *Ecological Economics*. Volume 70, Issue 9: 1590-1598.
- Castillo, Daniel , François Bousquet, Marco A. Janssen, Kobchai Worrapimphong, Juan Camillo Cardenas (2011). “Context matters to explain field experiments: Results from Colombian and Thai fishing villages”. *Ecological Economics*. Volume 70, Issue 9: 1609-1620.
- Cardenas, J.C. “Social norms and behavior in the local commons as seen through the lens of field experiments”. *“Environmental and Resource Economics”*. Volume 48, Issue 3 (2011), Page 451-485.
- Cardenas, Juan Camilo & Rodriguez, Luz Angela & Johnson, Nancy, 2011. "Collective action for watershed management: field experiments in Colombia and Kenya," *Environment and Development Economics*, Cambridge University Press, vol. 16(03), pages 275-303, June.
- Henrich, J., Ensminger, J., McElreath, R., Barr, A., Barrett, C., Bolyanatz, A., Cardenas, J. C., Gurven, M., Gwako, E., Henrich, N., Lesorogol, C., Marlowe, F., Tracer, D., Ziker, J. (2010) Markets, Religion, Community Size, and the Evolution of Fairness and Punishment. *Science*, 327, 1480-1484.
- Cardenas J.C. and Rajiv Sethi (2010) “Resource Allocation in Public Agencies: Experimental Evidence”, *Journal of Public Economic Theory*, Volume 12, Issue 4, pages 815–836, August 2010.
- Cardenas J.C. (2009) “Experiments in Environment and Development ”. *Annual Review of Resource Economics*, Vol. 1: 157-182. October, 2009
- Cardenas J.C. , H. Ñopo and A.Chong. "To What Extent Do Latin Americans Trust, Reciprocate, and Cooperate? Evidence from Experiments in Six Latin American Countries". *Economia*, Volume 9, Number 2, Spring 2009. Journal of the Latin American and Caribbean Economics Association.
- Frank W. Marlowe, J. C.Berbesque, A. Barr, C.Barrett, A.Bolyanatz, J.C.Cardenas, J.Ensminger, M.Gurven, E.Gwako, J.Henrich, N.Henrich, C.Lesorogol, R.McElreath, and David Tracer (2008) “More ‘altruistic’ punishment in larger societies”. *Proceedings of the Royal Society B* (2008) 275, 587–590
- Rodríguez-Sickert, Carlos, Ricardo Andrés Guzmán , Juan Camilo Cárdenas (2008) “Institutions influence preferences: evidence from a common pool resource experiment”. *Journal of Economic Behavior and Organization*. Volume 67, Issue 1, July 2008: 215-227.
- with Jeffrey Carpenter (2008) "Behavioural Development Economics: lessons from field labs in the developing world". *Journal of Development Studies*. Vol. 44, No. 3 (March 2008): 337-364.
- Henrich, Joseph, Richard McElreath, Abigail Barr, Jean Ensminger, Clark Barrett, Alexander Bolyanatz, Juan Camilo Cardenas, Michael Gurven, Edwins Gwako, Natalie Henrich, Carolyn Lesorogol, Frank Marlowe, David Tracer and John Ziker (2006) “Costly punishment across human societies”. *Science* 23 June 2006: 1767-1770.
- Sirén, A. H., J. C. Cardenas, and J. D. Machoa. 2006. The relation between income and hunting in tropical forests: an economic experiment in the field. *Ecology and Society* 11(1): 44. [online] URL: <http://www.ecologyandsociety.org/vol11/iss1/art44/>
- Cardenas, J-C, and Elinor Ostrom “What do people bring into the game? experiments in the field about cooperation in the commons”, *Agricultural Systems*, 2004, Vol 82/3 pp 307-326.

- Cardenas, Juan Camilo (2004) "Norms from Outside and from Inside: An Experimental Analysis on the Governance of Local Ecosystems". *Forest Policy and Economics*, 6 (2004): 229-241. Elsevier Press.
- Murphy, James J. and Juan Camilo Cardenas, (2004) "An Experiment on Enforcement Strategies for Managing a Local Environmental Resource ". *Journal of Economic Education*. Volume 35, No. 1, Winter 2004.
- Cardenas, Juan Camilo (2003) "Real Wealth and Experimental Cooperation: Evidence from Field Experiments". *Journal of Development Economics*. Vol. 70(2):263-289.
- Cardenas, Juan Camilo, John K. Stranlund, Cleve E. Willis (2002) "Economic inequality and burden-sharing in the provision of local environmental quality". *Ecological Economics*. Volume 40, (2002): 379-395. Elsevier Press.
- Cardenas, Juan Camilo (2000). "How Do Groups Solve Local Commons Dilemmas? Lessons from Experimental Economics in the Field". *Environment, Development and Sustainability*, Vol. 2, Nos. 3-4: 305-322. Kluwer Academic Publishers. 2000.
- Cardenas, Juan Camilo, John K. Stranlund and Cleve E. Willis (2000) "Local Environmental Control and Institutional Crowding-out". *World Development*, October, Vol 28, No. 10. pp. 1719-1733.

Books:

- ["Dilemas de Lo Colectivo: Instituciones, pobreza y cooperación en el manejo local de los recursos de uso común" \(2009\).](#) 2ª reimpresión. Ediciones UniAndes. Premio Alejandro Angel Escobar en ciencias, 2009.

Other publications:

- Cardenas J. (2020) "Commons". Chapter 31 in Kaltmeier, Tittor, Hawkins and Rohland (eds) (2020) "*The Routledge Handbook to the Political Economy and Governance of the Americas*" (ISBN 9780815352686) pp. 331-347. Routledge Handbooks.
- Cardenas, J.C. (2019) "Paz como Tranquilidad", en Garcia-Villegas, "*Como Mejorar a Colombia: 25 ideas para reparar el futuro*". Editorial Ariel.
- Cardenas, J.C. "(Real) behavior meets (real) institutions: towards a research agenda on the study of the commons". Chapter 13 in In Ménard, C., & Shirley, M. M. (2018). *A Research Agenda for New Institutional Economics*. Edward Elgar Publishing.
- Wutich, A., Cardenas, J. C., Lele, S., Pahl-Wostl, C., Rauschmayer, F., Schleyer, C., ... & Zwartveen, M. (2019). Opportunities and Challenges for Inclusively Framing Water Research. *Rethinking Environmentalism: Linking Justice, Sustainability, and Diversity*, 23, 251.
- Rettberg B, Lignarolo C, Prieto J, Leiteritz R, Ortiz J, Cardenas J, Quiroga D. (2018) ¿Diferentes recursos, conflictos diferentes? *La economía política regional del conflicto armado y la criminalidad en Colombia*. Ediciones Uniandes. (ISBN 978-958-774-679-2) Colombia.
- Cardenas, J. C. (2017). "Behavioural economics: Cash incentives avert deforestation." *Nature Clim. Change* 7(10): 688-689. (News & Views)
- Cardenas, J.C. (2017) "Governance of Renewable Resources: Insights from Game Theory". In: Giraldeau e.t. al eds. *Investors and Exploiters in Ecology and Economics Principles and Applications*, MIT Press. 1: 97 - 115.
- Cardenas, J.C. (2016) "From conventional economics to complexity in social dilemmas: lessons from CPR experiments in the lab and the field". *Handbook of Ecological Economics*. Elsevier.
- Cardenas J, Alpizar F. (2016) "*Field Experiments and Development Economics*". Experimental Economics Volume II: Economic Applications (ISBN 978-1-137-53815-4) pp. 182-196. Palgrave Macmillan
- Garzon, C. A., Rey, M.C, Sarmiento, P.J., J.C.Cardenas (2016). "Fisheries, fish pollution and biodiversity: choice experiments with fishermen, traders and consumers." *Economia Politica* 33(3): 333-353.

- Cardenas J. (2014) “De la economía convencional a la complejidad en el comportamiento individual y agregado en los dilemas sociales”. Las rutas de la complejidad (ISBN 978-956-9478-00-0) pp. 111-142. Ediciones Instituto de Sistemas Complejos de Valparaiso
- Cardenas, J.C. “Social Preferences Among the People of Sanquianga in Colombia”. In Ensminger & Henrich (eds) (2014) “*Experimenting with Social Norms: Fairness and Punishment in Cross-Cultural Perspective*”. Russell Sage Foundation. 978-0-87154-500-8.
- Cardenas, J.C. “Commentary to Gerkey, D. Cooperation in Context: Public Goods Games and Post-Soviet Collectives in Kamchatka, Russia”. *Current Anthropology*, Vol. 54, No. 2 (April 2013), pp. 144-176.
- Alpizar, F. y J.C. Cárdenas. 2011. Experimentos de Campo y Economía del Desarrollo. En: Brañas-Garza, P. (Editor), 2011. *Economía Experimental y del Comportamiento*. Editorial Antoni Bosch, Barcelona.
- Henrich, J., Ensminger, J., McElreath, R., Barr, A., Barrett, C., Bolyanatz, A., Cardenas, J. C., Gurven, M., Gwako, E., Henrich, N., Lesorogol, C., Marlowe, F., Tracer, D., Ziker, J. (2010) Evolution of Fairness (Reply). *Science*, 329, 388-390
- Cárdenas, J.C. “Bringing the Lab to the Field: More than Changing Subjects”. En “*La Voluntad Indómita: Fundamentos Teóricos De La Acción Colectiva*”. Editores: Roddy Brett y Freddy Cante. Editorial: Universidad del Rosario. ISBN: 9789587382310
- Cardenas, J.C, M.A. Janssen, and F. Bousquet, Dynamics of Rules and Resources: Three New Field Experiments on Water, Forests and Fisheries, *Handbook on Experimental Economics and the Environment*, edited by John List and Michael Price. Edward Elgar Press.
- Calónico, Sebastián, Natalia Candelo, Juan-Camilo Cárdenas, Alberto Chong, Hugo Ñopo, and Sandra Polanía. “To What Extent Do Latin Americans Trust and Cooperate? Field Experiments on Social Exclusion in Six Latin American Countries”. Chapter 7 in “Outsiders? The Changing Patterns of Exclusion in Latin America and the Caribbean”. IADB and DRCLAS Harvard.
- “Wealth Inequality and Overexploitation of the Commons: Field Experiments in Colombia”. In Jean-Marie Baland, Pranab Bardhan and Samuel Bowles, editors. (2007) “Inequality, Cooperation, and Environmental Sustainability”. Princeton University Press.
- with Elinor Ostrom. “How Norms Help Reduce The Tragedy Of The Commons: A Multi-Layer Framework For Analyzing Field Experiments”. In “Norms and the Law”, edited by John N. Drobak, Cambridge University Press. 1st edition (July 24, 2006). ISBN: 0521680794.
- “Overcoming Asymmetries In The Commons With Sub Optimal Strategies: An Experimental Exploration In The Field”. In “Environment, Inequality and Collective Action”. Routledge Siena Studies in Political Economy by Marcello Basili (Editor), Maurizio Franzini (Editor), Allesandro Vercelli (Editor). ISBN: 9780415342346
- "Groups, Commons and Regulations: Experiments with Villagers and Students in Colombia". in “Psychology, Rationality and Economic Behaviour: Challenging Standard Assumptions” (International Economics Association). Bina Agarwal and Alessandro Vercelli (Eds). ISBN 1-4039-4253-6
- with Jeffrey Carpenter (2005) “Three Themes on Field Experiments and Economic Development”. In J. Carpenter, G.W. Harrison and J.A. List (eds.), “Field Experiments in Economics” (Greenwich, CT: JAI Press, Research in Experimental Economics, Volume 10, 2005).
- Cardenas, Juan Camilo (2005) “Local Commons and Cross-effects of Population and Inequality on the Local Provision of Environmental Services”. *Lecturas de Economía*, Vol. 62, January-june 2005: 75-121. Universidad de Antioquia, Medellín.
- Cardenas, Juan-Camilo, T. K. Ahn, and Elinor Ostrom. (2004). “Communication and Co-operation in a Common-Pool Resource Dilemma: A Field Experiment.”, in “Advances in Understanding Strategic Behaviour: Game Theory, Experiments, and Bounded Rationality: Essays in Honour of Werner Güth”, ed. Steffen Huck. New York: Palgrave.
- Cardenas, Juan-Camilo (2004) “Aproximaciones desde los sistemas complejos adaptativos al estudio de la nueva ruralidad”. En Perez, E. y Ma.A.Farah, editoras. "Desarrollo rural y nueva ruralidad en América Latina y la Unión Europea ". Centro de Cooperación Internacional en Investigación Agronómica para el Desarrollo CIRAD

(Francia). Departamento de Desarrollo Rural y Regional - Facultad de Estudios Ambientales y rurales - Pontificia Universidad Javeriana. Bogotá, septiembre de 2004.

- Cardenas, Juan Camilo, Diana Lucía Maya y Maria Claudia Lopez (2003) “Métodos experimentales y participativos para el análisis de la acción colectiva y la cooperación en el uso de recursos naturales por parte de comunidades rurales”. *Cuadernos de Desarrollo Rural*, Universidad Javeriana, No. 50.
- Cardenas, Juan Camilo (Fall 2002) "Rethinking Local Commons Dilemmas: Lessons from Experimental Economics in the Field". Chapter 10. In Jonathan Isham, Thomas Kelly and Sunder Ramaswamy, Editors. "Social Capital and Economic Development: Well-Being in Developing Countries" Edward Elgar Publishing. Fall 2002.
- Cardenas, Juan Camilo (2001) "De los Dilemas Ambientales a los Dilemas Rurales: Viejas Preguntas y Nuevas Propuestas para un Análisis Institucional de lo Rural". En Perez, E. y Ma.A.Farah, editoras. “Memorias Seminario Internacional "LA NUEVA RURALIDAD EN AMERICA LATINA". Universidad Javeriana. Tomo I. ISBN 958-683-434-4.
- Cardenas, Juan Camilo, John K. Stranlund and Cleve E. Willis. (2001). "Should the State Regulate the Local Commons? Lessons from Economic Experiments in the Field." In Integrated Conservation and Development in Tropical America: Experiences and Lessons in Linking Communities, Projects, and Policies, Robert E. Rhoades and Jody Stallings (Eds.). SANREM CRSP, Athens, Georgia and CARE SUBIR, Ecuador.
- Cardenas, Juan Camilo, (1995). "Descentralización e Instrumentos Económicos De Gestión Local De Recursos Naturales: El Caso Colombiano". En Rafael S. Herz (Editor) "Uso de Instrumentos Económicos en la Política Ambiental". Serie Problemas de Desarrollo. Fundación Konrad Adenauer - IPD-Universidad Javeriana. Bogotá, 1995.
- _____ "Capital Natural, Instituciones Agrarias y Agroecosistemas en Zonas Campesinas Andinas: Evidencia Empírica de sus Efectos en la Degradación Ambiental". Memorias Seminario-taller internacional: "El desarrollo rural en America Latina hacia el siglo XXI". Junio, 1994. Universidad Javeriana.

Non peer-reviewed publications:

- Cárdenas, J.C. & Rajiv Sethi. “Elinor Ostrom: Fighting the Tragedy of the Commons”. Books&Ideas. <http://www.booksandideas.net/Elinor-Ostrom-Fighting-the-Tragedy-of-the-Commons.html>. Francés: <http://www.laviedesidees.fr/Elinor-Ostrom-par-dela-la-tragedie-des-communs.html>
- Cárdenas, Juan Camilo ; Jorge Luis Castañeda; Daniel Castillo Brieva; Carolina Laverde; María Fernanda Pereira; Luz Ángela Rodríguez. (2013) “*Métodos complementarios para la Valoración de la Biodiversidad: una aproximación interdisciplinar*”. Instituto Alexander von Humboldt y Uniandes. Bogotá. ISBN 978-958-8343-82-2
- Cardenas, J.C. “Being a student of Elinor Ostrom”, *Transnational Corporations Review* Vol. 2, No. 2, (2010)
- Cardenas, J.C. y Pablo Ramos (2006) “*Manual de juegos económicos para el análisis del uso colectivo de los recursos naturales*”. Centro Internacional de la Papa, Lima. Proyecto Regional Cuencas Andinas CONDESAN – GTZ. ISBN 92-9060-272-4.
- Cardenas, Juan Camilo (2004) "Regulaciones y Normas en lo Público y lo Colectivo: Exploraciones desde el Laboratorio Económico". *Coyuntura Economica*, Segundo Semestre 2004, Vol. XXXIV No. 2: 149-179. Fedesarrollo.

- Candelo, Carmen, J.C.Cardenas, J.E.Correa, M.C.Lopez, D.L.Maya, A.M.Roldan (2003) *“Juegos Económicos y Diagnóstico Rural Participativo: Un Manual con Ejemplos de Aplicación para la Cooperación”*. Universidad Javeriana ISBN 958-683-599-5. Bogotá.

MAJOR INVITED LECTURES:

Cooperation Colloquia – Amsterdam Cooperation Lab: [“Cooperation in the Lab and Outside”](#). February 25, 2022.

Speaker at the Be.Hive: Behavioral Solutions to Water Pollution <https://rare.org/be-hive-behavioral-solutions-to-water-pollution/>. Sept.21-23 2021

Keynote Speaker, North American Economics Science Association, Antigua, October, 2018.

Plenary speaker at the International Association for the Commons, IASC Global conference, Utrecht, July, 2017.

Workshop “behavioral economic games and experimental tools to address collective action issues with respect to common property resources in tropical forests“. University of Florida Gainesville, Nov.16&18, 2015.

Plenary Panel "Human behavior and the use of experiments to understand the agricultural, resource and environmental challenges of the XXI century". 29th International Conference of Agricultural Economists ICAE , Milan Agosto 29, 2015

Plenary speaker. International Conference of the Courant Research Centre Poverty, Equity, and Growth in Developing and Transition Countries and the Ibero-America Institute of Economic Research July 2 - 4, 2014, University of Göttingen, Germany.

Plenary Speaker, The London Experimental Workshop, Middlesex University London, May 12-15, 2014.

Plenary speaker. 2nd Antigua Experimental Economics Workshop & Conference. Antigua, Guatemala, February 20-22, 2014

Plenary speaker. Ninth International Meeting on Experimental and Behavioral Economics (IMEBE). Madrid. April 11-13, 2013.

Plenary speaker. Alhambra Experimental Workshop, Universidad de Granada, Granada, Spain, October 13-14, 2011.

Plenary speaker .“Remixes in the field lab: Adding complexities to economic experiments”. French Experimental Economics Association. Annual Meeting, May 19-21, 2011. Schoelcher - Martinique, France. Also presented at the Economics Department seminar, Florida State University, Dec.9.2011.

“Teoría de Juegos y Métodos Experimentales para el Estudio de los Dilemas Sociales”. Lección Inaugural Departamento de Ciencia Política EAFIT, Medellín, Febrero 4, 2011.

“Cooperación y competencia en la economía de la biodiversidad” Año Internacional de la Biodiversidad. Abril 8, 2010. Biblioteca Luis Angel Arango. Bogotá.

“Cooperación” TEDx Bogotá. Diciembre 4, 2009. <http://www.ted.com/tedx/events/337> .

“Sustainability as Cooperation , Field as Lab”. Robert F. Kennedy Lecture. David Rockefeller Center of Latin American Studies, Harvard University. December 8, 2008. CGIS South Building, Cambridge, MA.

“Comportamiento Pro-social: 10 Años de Experimentos Económicos en Colombia”. Cátedra Colombiana de Psicología Mercedes Rodrigo. Septiembre 29, 2007, Universidad de Los Andes.

POPULAR WRITING:

- Foco Económico (A blog on Economics and Policy for Latin America): <https://focoeconomico.org/author/jcardenas/>