**STEPHANIE J. BUECHLER**

**Curriculum vitae**

**BUSINESS ADDRESS**

School of Geography and Development E-mail buechler@email.arizona.edu

ENR2 Building, Office S-451 Cell (520) 904-8869

The University of Arizona

P.O. Box 210137

Tucson, AZ 85721-0076

Joint appointment: Udall Center for Studies in Public Policy and the School of Geography and Development

Affiliated Faculty: Latin American Studies; Women’s Studies, Institute of the Environment; Arid Lands Resource Sciences PhD Program

#

## EDUCATION

PhD 2001 Sociology Binghamton University Binghamton, NY

(Title: Water and Guanajuato’s *Ejido* Agriculture: Resource Access, Exclusion and Multiple Livelihood Strategies)

Main advisors: Profs. Martin Murray and James Petras, Sociology.

MPA 1992 Public Affairs Cornell University Ithaca, NY

(Title: Strategizing in the Face of Industrial Restructuring: Women at Work in a Foreign-owned Garment Industry and at Home in Rural America). Main advisor: Prof. Shelley Feldman, Rural Sociology [now Development Sociology].

BA 1989 Political Science Haverford College Haverford, PA

**EMPLOYMENT**

August 2019-present JOINT APPOINTMENT CONTINUING STATUS (Udall Center .26 FTE and SGD .25 FTE)

**Associate Research** **Scientist** Udall Center for Studies in Public Policy

University of Arizona. Tucson, Arizona.

 Conducting/conducted applied research on gender, youth, climate change, renewable energy, mining, urban and rural agriculture and water resource dynamics for publications. Conducting research in Mexico and Arizona; recent past in India.

**Associate Research Professor** School of Geography and Development (SGD), University of Arizona. Tucson, Arizona. Teaching ‘Natural Resource Systems: Applications in Tucson, southern Arizona and the Border’ and ‘Essential Management Principles for Development’ for SGD’s Master’s in Development Practice Program. Advise students on research; connect them with local and international internships; teach field-trip centered course.

August 2013-present JOINT APPOINTMENT CONTINUING ELIGIBLE (Udall Center .26 FTE and SGD .25 FTE)

**Assistant Research** **Scientist** Udall Center for Studies in Public Policy

University of Arizona. Tucson, Arizona.

 Conducting applied research on gender, youth, climate change, renewable energy, mining, urban and rural agriculture and water resource dynamics for publications. Conducting research in Mexico and Arizona; recent past in India.

**Assistant Research Professor** School of Geography and Development (SGD) University of Arizona. Tucson, Arizona. Teaching or have taught recently courses entitled ‘Natural Systems Management: Applications in Tucson, southern Arizona and the Border’, ‘Field Practicum Analysis’, ‘Cross-cohort Seminar’ and ‘Foundations of Sustainable Development Practice’ for SGD’s Master’s in Development Practice Program. Advise students on research; connect them with local and international internships; currently teaching field-trip centered course.

July 2009-July 2013 **Research Associate and Lecturer.** School of Geography and Development. The University of Arizona. Tucson, Arizona. Conducting research on gender, climate change and water resource dynamics in agricultural communities in Sonora, Mexico for book manuscript and journal articles. Conducting research and writing on urban canopy and water use for heat island mitigation in Tucson, Arizona with SGD colleagues. Conducting research on Rayón, Mexico for NSF project on human-environment interactions. Proposal writing on gender and climate change; urban agriculture. Teaching: Spring, Geog. 455/555 ‘Gender and Natural Resource Management in Latin America’; Fall, Geog. 302 Introduction to Sustainable Development. Affiliated faculty: Latin American Studies, Women’s Studies.

August 2006 – August 2009 **Research Associate.** Bureau of Applied Research in Anthropology (BARA). The University of Arizona. Tucson, Arizona. Conducting research on gender, climate change and water resource dynamics in agricultural communities in Sonora, Mexico near border for Fulbright grant. Collaborating with Colegio de Sonora faculty. Collaborating on cross-border migration and development proposals with institutions in Guanajuato, Mexico and the U.S. Proposal writing with faculty from research institutes and departments at U of A.

January 2008 – May 2008 **Student Thesis and Independent Studies Advisor.** Center for Latin American Studies and Women’s Studies Department. The University of Arizona. Thesis advisor on gender, development, agriculture and natural resources in Latin America. Guided independent study ‘Field Application of Feminist Research Methodologies’ for graduate student in Women’s Studies and obtained Magellan Circle Award to take student to field in Sonora, Mexico.

August 2007– December 2007 **Adjunct Lecturer.** Center for Latin American Studies. The University of Arizona. Tucson, Arizona. Taught a new graduate course I developed entitled ‘Gender and Natural Resource Management in Latin America.’ Gender and climate change, water resources, fisheries, forestry and agriculture topics.

November 2005 – May 2006 **Research Fellow.** Urban Agriculture Network. Silver Spring, MD. Developed proposals for action research on urban experiments with Green Cities projects. Contributed to update of urban agriculture book with Jac Smit and Joe Nasr. Organized database of current literature on urban and peri-urban agriculture worldwide. Supervised American University student intern from Natural Resources and Sustainable Development program.

Fall 2005 **Adjunct Lecturer**. Clark University. Worcester, MA. International Development, Community and Environment Program. Taught graduate student course entitled ‘Food Security and Livelihoods in Comparative Perspective.’

April 2004 – September 2005 **Research Social Scientist**. International Water Management Institute (publicly funded research center collaborating with universities and water and agriculture agencies), South Asia office, Hyderabad, India. Co-P.I. and primary author of successful proposal to German International Cooperation Ministry (BMZ) for Euros 800,000 ($US 1 million) for multi-disciplinary research project: ‘Ensuring Health & Food Safety from Rapidly Expanding Wastewater Irrigation in S. Asia.’

##### October 2001 – April 2004 Post-doctoral Researcher. IWMI, Hyderabad, India. Research, workshop coordination, filmmaking, policy outreach, grant writing and supervision of research assistants, post doc (Rice University) and M.A. (ETH Switzerland) and B.A. (Cornell University) students. S. Asia coordinator for Resource Center for Urban Agriculture and Food Security, the Netherlands.

1997 – 2000 **Doctoral Researcher** (funded by IWMI) **and Co-editor of IWMI/Colegio de Postgraduados Book**. IWMI. Guanajuato, Mexico office. Socio- economic, policy aspects of canal, groundwater and wastewater irrigation.

1995 – 1997 **Adjunct Lecturer** (‘Women’s Work’: 2 semesters; ‘Latin American Women and their Communities’).

 **Teaching Assistant** (‘Social Deviance’**)**. Binghamton University.

1994 **Consultant**. Coalition on Women and Credit, New York, New York. Two consultancies in La Paz, Bolivia. May-September.

1992 – 1993 **Project Director Urban Microenterprise Development.** Caritas. Tegucigalpa, Honduras. Project participants: women and youth from a low-income *barrio*.

1. **Researcher**. Appropriate Technology International (ATI) (renamed Enterprise Works Worldwide). Washington D.C.

**HONORS AND AWARDS**

Geographical Perspectives on Women Book Award. *A Political Ecology of Women, Water and Global Environmental Change* (with Anne-Marie Hanson). Association of American Geographers, Chicago, Illinois. April 2015.

Fulbright–García Robles Border Award. 2009.

Magellan Circle Award, University of Arizona. 2007.

Dissertation Year Award, Binghamton University. 2000-2001.

Beatrice Brown Award for Master’s thesis, Cornell University. 1991.

**SERVICE/OUTREACH** (period in rank 2013 to the present)

**Local/State Outreach**

Compass Affordable Housing, Tucson, Arizona. Advised this non-profit organization on the design of their new community garden for low-income, disabled women and men in South Tucson that is located on the grounds of their new affordable housing complex for the disabled. 2015.

Facilitate collaborations between local non-profit, government and private organizations in Tucson and Master’s in Development Practice students of the University of Arizona through my research projects, through personal contacts, through inviting speakers from these organizations for the MDP colloquium, then MDP courses and via internships with these organizations. 2011-2018.

Developed project websites to reach local, state, national and international audiences on Tucson’s community and backyard gardens in low-income neighborhoods; renewable energy use and women in Tucson and rural Arizona (with comparisons on Zacatecas, Mexico); and Tucson’s urban heat island. Disseminated information related to these issues through stakeholder meetings, policy and research briefs, gardener handbooks, articles, etc. to local government, non-profit and private institutions. 2010-2018.

Stakeholder meetings with various city and municipal government agencies, non-profit organizations, and private institutions on green infrastructure; urban agriculture; renewable energy issues in Tucson, Arizona. 2010-2018.

In continued contact with City of Tucson’s landscape supervisor Irene Ogata. She has been a participant in my project stakeholder meetings since 2011 to the present. I also actively participated each May in her by invitation-only urban heat island workshop with other governmental, non-governmental and private organizations from Arizona. 2010-2018.

**College Committee(s)** n.a.

**National/International Outreach**

Varying start times-present Long-time Member, American Association of Geographers, Mexican Rural Scholars Network, Agriculture Sectors and Climate Change (FAO e-network), Gender and Water Alliance, Sisters on the Planet (Oxfam America)

**University Committee(s)**

Spring 2018 Member, UA Global/Internationalization Review, Global Research, Contracts and Projects Subcommittee.

Fall 2017-ongoing Member, University of Arizona Energy Policy Collaborative.

January 2018-ongoing Community Advisory Board Member, Center for Regional Food Studies, University of Arizona.

**Departmental Committee(s)**

Fall 2019-ongoing Member, IRB review committee. SGD.

Spring 2012-2015 Member, MDP Admissions Group. SGD.

Spring 2015-ongoing Member, MDP Program Vision Group. SGD.

Fall 2014 Member, APR Committee for MDP program. SGD.

Fall 2012-Spring 2017 Member, Jan Monk Lecture Committee. SGD. (In 2017 I chaired committee that became named the Special Colloquia Committee).

**Other Committees (Internal or External)**

Member, Editorial Board, International Journal of Sustainable Society [http://www.inderscience.com/browse/index.php?journalCODE=ijssoc](https://www.email.arizona.edu/horde/services/go.php?url=http%3A%2F%2Fwww.inderscience.com%2Fbrowse%2Findex.php%3FjournalCODE%3Dijssoc) (Winter 2010-ongoing)

Reviewer for the Evelyn L. Pruitt National Fellowship for Dissertation Research of the Society of Woman Geographers (2015- 2019)

Reviewer for the Small grants for Research, Collaboration and Engagement Related to the Environment and the Sustainable Development Goals for graduate student stipend and travel and early career faculty travel. Directed by Dr. Diana Liverman, School of Geography and Development, University of Arizona. (Spring 2017-2019)

Book manuscript reviewer for various different academic presses and specialized publishers such as Routledge on Latin American Development, International Development, Gender and Development, Gender and Climate Change, Sustainability and Urban Development. (Fall 2013-Fall 2017)

Proposal reviewer for National Science Foundation, Social Sciences and Humanities Research Council of Canada (Fall 2013-Spring 2020)

Article Manuscript Reviewer for Journals such as:

Environment and Planning E, Environmental Research Letters, Wires Water, International Migration Review, Climate and Development, Natural Resources Forum, Journal of Environmental Management, Journal of Political Ecology, Anthropos, Professional Geographer, International Journal of Sustainable Society, International Journal of Environmental Research and Public Health, Gender, Place and Culture, Latin American Research Review, Environmental Practice, Ecological Economics, Global Environmental Change, Journal of Latin American Geography, Signs, Geoforum, Earth Systems and Environment

(Fall 2009-Present)

**PUBLICATIONS** [+ Indicates substantial work conducted for PhD dissertation**]**

**Books and Monographs**

Stephanie Buechler and Anne-Marie Hanson (eds). 2015. A Political Ecology of Women, Water and Global Environmental Change. London: Routledge.

Stephanie Buechler and Emma Zapata (eds.). 2000. Género y Manejo de Agua y Tierra en Comunidades Rurales de México. [Gender and the Management of Water and Land in Mexican Rural Communities]. Serie Latinoamericana. Mexico, D.F.: International Water Management Institute and the Colegio de Postgraduados, Montecillo.

**Chapters in Scholarly Books and Monographs**

Stephanie Buechler. 2016. Ethnographic Immersions and Local Collaborations in the Study of Globalization and Environmental Change. Ethnographic Collaborations in Latin America. June Nash and Hans Buechler (eds). Palgrave MacMillan.

Stephanie Buechler. 2015. Climate-Water Challenges and Adaptation Strategies of Women in a Riparian Community in Sonora, Mexico. Pp. 99-117. In: Stephanie Buechler and Anne-Marie Hanson (eds). A Political Ecology of Women, Water and Global Environmental Change. London: Routledge.

Anne-Marie Hanson and Stephanie Buechler. 2015. Towards a Feminist Political Ecology of Women, Global Change and Vulnerable Waterscapes. Pp. 1-16. In: Stephanie Buechler and Anne-Marie Hanson (eds). A Political Ecology of Women, Water and Global Environmental Change. London: Routledge.

Stephanie Buechler, Anne-Marie Hanson, Diana Liverman and Miriam Gay-Antaki. 2015. Advancing Multi-disciplinary Scholarship on Gender, Water and Environmental Change through Feminist Political Ecology. Pp. 226-245. In: Stephanie Buechler and Anne-Marie Hanson (eds). A Political Ecology of Women, Water and Global Environmental Change. London: Routledge.

Stephanie Buechler. 2012. Gendered Fruit and Vegetable Home Processing Near the U.S.-Mexico Border: Climate Change, Water Scarcity and Noncapitalist Visions of the Future. pp. 121-141 in María Luz Cruz Torres and Pamela McElwee (eds.) Gender and Sustainability: Lessons from Asia and Latin America. University of Arizona Press.

Stephanie Buechler and Gayathri Devi. 2012. Highlighting the User in Wastewater Research: Gender, Caste and Class in the Study of Wastewater-dependent Livelihoods in Hyderabad, India. Pp. 337-364 in Sara Ahmed, Suman Rimal Gautam and Margreet Zwarteveen (co-eds.) Diverting the Flow: Gender Equity and Water in South Asia. New Delhi: Zubaan Books.

Stephanie Buechler. 2009. Gender, Water and Climate Change in Sonora, Mexico. Pp. 71-86 in Geraldine Terry (ed.) Climate Change and Gender Justice. Practical Action Publishing and Oxfam, Great Britain. [reprint of the *Gender and Development* article]

Stephanie Buechler. 2009. Gender Dynamics of Fruit and Vegetable Production and Processing in Peri-urban Magdalena, Mexico. Pp. 181-198 in Alice Hovorka, Henk de Zeeuw and Gordon Prain (eds.) Women Feeding Cities. RUAF Urban Agriculture Programme. RUAF Foundation. Leusden, the Netherlands and the International Development Research Centre (IDRC), Ottawa, Canada.

Gayathri Devi and Stephanie Buechler. 2009. Gender Dimensions of Urban and Peri-urban Agriculture in Hyderabad, India: A Case Study. Pp. 35-50 in Alice Hovorka, Henk de Zeeuw and Gordon Prain (eds.) Women Feeding Cities. RUAF Urban Agriculture Programme. RUAF Foundation. Leusden, the Netherlands and the International Development Research Centre (IDRC), Ottawa, Canada.

Stephanie Buechler, Gayathri Devi and Ben Keraita. 2006. Wastewater Use for Urban and Peri-urban Agriculture. Pp. 241-272 in Henk de Zeeuw, Marielle Dubbeling and Rene van Veenhuizen (eds.) Cities Farming for the Future. RUAF Foundation. Leusden, the Netherlands, Institute of Rural Reconstruction and International Development Research Centre, Canada.

###### Stephanie Buechler. 2005. Women at the Helm of Irrigated Agriculture in Mexico: the Other Side of Male Migration. Pp. 170-189 in Vivienne Bennett, Sonia Dávila Poblete and Maria Nieves Rico (eds.). Opposing Currents: The Politics of Water and Gender in Latin America. University of Pittsburgh Press.

Christopher Scott, Paula Silva, Stephanie Buechler and Tushaar Shah. 2004. Energy Pricing and Supply for Groundwater Demand Management: Lessons from Mexican Agriculture. Pp. 201-228 in Cecilia Tortajada and Ricardo Sandoval (eds.). Hacia una Gestión Integral del Agua en México: Retos y Alternativas [Towards Integrated Water Management in Mexico: Challenges and Alternatives]. Mexico: Porrua Publishers.

Stephanie Buechler. 2004. A Sustainable Livelihoods Approach for Action Research on Wastewater Use in Agriculture. Pp. 25-40 in Christopher Scott, Naser Faruqui and Liqa Rachid-Sally (eds.) Wastewater Use in Irrigated Agriculture: Confronting the Livelihood and Environmental Realities.  CABI press.

Stephanie Buechler and Gayathri Devi. 2003. Wastewater as a Source of Multiple Livelihoods? A Study of a Rural Area near Hyderabad City, Andhra Pradesh, India. Pp. 939-948 in Rema Devi and Naved Ahsan (eds.). Water and Wastewater: Developing Country Perspectives. London, U.K.: International Water Association.

Stephanie Buechler. 2002. Irrigated Agriculture on Mexican Ejidos: Complementarities with Off-farm and Non-farm Economic Strategies. Pp. 125-142 in Scott Whiteford and Roberto Melville (eds.). Managing a Sacred Gift: Changing Water Management Strategies in Mexico. La Jolla: Center for U.S.-Mexican Studies, Univ. of California, San Diego. +

Stephanie Buechler and Christopher Scott. 2000. “Para Nosotros, Esta Agua es Vida”. El Riego en Condiciones Adversas: Los Usuarios de Aguas Residuales en Irapuato, México” [“For Us, this Water is Life” Irrigation under Adverse Conditions: Wastewater Users in Irapuato, Mexico] pp. 135-154 in Christopher Scott, Philippus Wester and Boris Marañón (eds.). Asignación, Productividad y Manejo de Recursos Hídricos en Cuencas [Allocation, Productivity and Management of Water Resources in Watersheds]. Guanajuato. International Water Management Institute. +

Stephanie Buechler and Emma Zapata. 2000. Introducción [Introduction] pp. 1-10 in Stephanie Buechler and Emma Zapata (eds.). “Anduve Detrás de Todo a la Corre y Corre…” Género y Manejo de Agua y Tierra en Comunidades Rurales de México”. [“I was in Charge of Everything, Running, Running” Gender and Water and Land Management in Rural Mexican Communities]. Serie Latinoamericana. Mexico, D.F.: International Water Management Institute and the Colegio de Postgraduados, Montecillo.

Stephanie Buechler. 2000. “Allí Andan Haciendole La Lucha”. El Trabajo de Mujeres, Niñas, Niños y Hombres en Parcelas Irrigadas de Guanajuato en Tiempos de Crisis [“There they are Struggling Along” Women, Children and Men’s Work in Guanajuato in Times of Crisis] pp. 41-70 in Stephanie Buechler and Emma Zapata (eds.) Género y Manejo de Agua y Tierra en Comunidades Rurales de México. Serie Latinoamericana. Mexico, D.F.: International Water Management Institute and the Colegio de Postgraduados, Montecillo. +

Hans Buechler, Judith-Maria Buechler, Simone Buechler and Stephanie Buechler. 1998. Financing Small-scale Enterprises in Bolivia. Pp. 83-108 in Lynne Phillips (ed.) The Third Wave of Modernization in Latin America-Cultural Perspectives on Neoliberalism. Jaguar Books. Delaware: Scholarly Resources, Inc.

**Refereed Journal Articles**

Lutz Ley, A., C. A. Scott,M. Wilder, R. G. Varady, A. Ocampo-Melgar, F. Lara-Valencia, A. Zuniga-Teran, **S. Buechler,**R. Díaz-Caravantes,A. Ribeiro-Neto, N. Pineda-Pablos and F. Martín. In advanced review. Dialogic Science-Policy Networks for Water Security Governance in the Arid Americas. *Environmental Development*.

Stephanie Buechler, Verónica Vázquez García, Karina G. Martínez and Dulce M. Sosa Capistrán. Forthcoming 2020. Patriarchy and (electric) Power? A Feminist Political Ecology of Solar Energy Use in Mexico and the U.S. *Energy Research and Social Science*.

América Lutz Ley and Stephanie Buechler. 2020. Mining and women in northwest Mexico: a feminist political ecology approach to impacts on rural livelihoods.  Human Geography. 13(1). <https://doi.org/10.1177/1942778620910901>.

Stephanie Buechler and América Lutz-Ley. 2019. Livelihoods with Multiple Stressors: Gendered Youth Decision-making Under Global Change in Northwest Mexico. *Environment and Planning E: Nature and Space*. <https://doi.org/10.1177/2514848619878603>.

Leigh-Anne Schmidt and Stephanie Buechler. 2017. “I risk everything because I have already lost everything.” Central American Women and Girls Speak Out on the Migrant Trail in Oaxaca, Mexico. *Journal of Latin American Geography*, 16(1): 139-164.

Stephanie Buechler. 2016. Gendered Vulnerabilities and Grassroots Adaptation Initiatives in Home Gardens and Small Orchards in Northwest Mexico. Special Issue: ‘Gender perspectives in resilience and adaptation to global change research.’ *Ambio a Journal of the Human Environment*,45(3), 322-334.

Irene Iniesta-Arandia, Federica Ravera, **Stephanie Buechler**, Isabel Díaz-Reviriego, Maria Fernández-Giménez, Maureen G. Reed, Mary Thompson-Hall, Hailey Wilmer, Lemlem Aregu, Philippa Cohen, and Houria Djoudi, Sarah Lawless, Berta Martín-López, Thomas Smucker, Grace B. Villamor and Elizabeth Edna Wangui. 2016. A synthesis of convergent reflections, tensions and silences in linking gender and global environmental change research. *Ambio a Journal of the Human Environment*, 45(3), pp.383-393.

Stephanie Buechler, Debashish Sen, Neha Khandekar and Christopher Scott. 2016. Re-Linking Governance of Energy with Livelihoods and Irrigation in Uttarakhand, India. *Water*, 8(10)437. DOI:10.3390/w8100437.

Leigh Anne Schmidt and Stephanie Buechler. 2015. Honduran Boys Confronting Adversity: Urban Multi-locality and Kin Mobilization. *Children’s Geographies*. 13(4):482-495. DOI: 10.1080/14733285.2014.890390.

Christopher Scott and Stephanie Buechler. 2013. Environmental and Social Change in the U.S. Mexico Borderlands: Climate, Water, and Demographic Futures. *Ecosphere*. 4(1):1-16.

Stephanie Buechler. 2009. Gender, Water and Climate Change in Sonora, Mexico: Implications for Policies and Programmes on Agricultural Income Generation. Special Issue on Climate Change for journal *Gender and Development*. 17(1): 51-66.

Thomas Rutkowski, Liqa Raschid-Sally and Stephanie Buechler. 2007. Wastewater Irrigation in the Developing World -Two Case Studies from the Kathmandu Valley, Nepal*. Agricultural Water Management*. 88(1-3):83-91.

Stephanie Buechler and Gayathri Devi Mekala. 2005. Local Responses to Water Resource Degradation in India: Groundwater Farmer Innovations and the Reversal of Knowledge Flows. Special issue on water. *Journal of Environment and Development*. (14) 4: 410-438.

Liqa Raschid-Sally, Richard Carr and Stephanie Buechler. 2005. Livelihoods and Sanitation Solutions for Poor Countries through Wastewater Agriculture. Special Issue on Wastewater Irrigation of the International Commission on Irrigation and Drainage (ICID) Journal *Irrigation and Drainage*. 54(1):11-22.

Shelley Feldman and Stephanie Buechler. 1998. Negotiating Difference: Constructing Selves and Others in a Transnational Apparel Manufacturing Firm. *The Sociological Quarterly*. 39(4): 623-644.

**Other Peer Reviewed Publications**

Daoqin Tong, Stephanie Buechler and Katharine Bao. 2016. A Comprehensive Food Access Analysis in Tucson. Making Action Possible in Southern Arizona (MAP Dashboard) White Paper. February 25. <https://mapazdashboard.arizona.edu/sites/default/files/images/a_comprehensive_food_access_analysis_in_tucson.pdf>

Stephanie Buechler. 2011. Book review of Urban Climate Change Crossroads. Richard Plunz and Maria Paola Sutto (eds.). Ashgate, 2010, 172 pp. 63(2): 295-297. *The Professional Geographer*.

Stephanie Buechler and Christopher Scott. 2006. Contributors to Chapter 4 ‘Water Scarcity, Risk and Vulnerability’ pp. 133-170. The 2006 Human Development Report ‘Beyond Scarcity: Power, Poverty and the Global Water Crisis.’ United Nations Development Program (UNDP). New York.

Stephanie Buechler and Christopher Scott. 2006. Wastewater as a Controversial, Contaminated yet Coveted Resource in South Asia. Occasional Paper Series. Human Development Report Office. United Nations Development Program (UNDP). 9 pp.

Tushaar Shah, Christopher Scott and Stephanie Buechler. 2004. Water Sector Reforms in Mexico: Lessons for India’s New Water Policy. *Economic and Political Weekly*. New Delhi, India. January 24.

**Other Publications**

**Policy and Research Briefs**

Stephanie Buechler, Daoqin Tong and Ashley Erbe. January 2018. Who Practices Urban Agriculture? A Socio-economic Analysis of the IRC’s New Roots Program in Tucson, Arizona. A Research Brief prepared for the Haury Program Funded Project 'Greening the Food Deserts of Tucson.’ Available at: <https://geography.arizona.edu/greeningfooddeserts/project-outputs>

Stephanie Buechler, Daoqin Tong and Ashley Erbe. January 2018. Who Practices Urban Agriculture? A Socio-economic Analysis of the Facebook Group 'Tucson Urban Gardening.’ A Research Brief prepared for the Haury Program Funded Project 'Greening the Food Deserts of Tucson.’ Available at: <https://geography.arizona.edu/greeningfooddeserts/project-outputs>

Stephanie Buechler, Daoqin Tong and Ashley Erbe. December 2017. ‘Greening the Food Deserts of Tucson, Arizona.’ A Policy Brief developed for the Haury Program Funded Project ‘Greening the Food Deserts of Tucson, Arizona.’ 2 pp. Available at: <https://geography.arizona.edu/greeningfooddeserts/project-outputs>

Stephanie Buechler, Daoqin Tong and Ashley Erbe. November 2017. Who Practices Urban Agriculture? A Socio-economic Analysis of Las Milpitas de Cottonwood Community Farm in Tucson, Arizona. A Research Brief developed for the Haury Program Funded Project ‘Greening the Food Deserts of Tucson, Arizona.’ Available at: <https://geography.arizona.edu/greeningfooddeserts/project-outputs>

Stephanie Buechler. December 2016. Promoting Gender Inclusiveness and Empowerment in Hydropower Development. A Policy Brief developed for the HI-NEX project. 2 pp. Available at: <http://aquasec.org/himalayas/wp-content/uploads/2017/01/WLE_Template-Gender-Hinex-Alina-edits.pdf>

**Resource Guides, Reports, Blogs, Published Proceedings and Minor Publications**

Rigoberto García, Christopher Scott, Adriana Zúñiga, Stephanie Buechler, Luis Cervera, Sergio Peña, José Luis Manzanares. 2019. Evaluación del Impacto Transfronterizo de Proyectos de Infraestructura de Saneamiento en Ambos Nogales. [Evaluation of the Transborder Impact of Sanitation Infrastructure Projects in Ambos Nogales].
Report Prepared for the North American Development Bank (NADBANK).

Stephanie Buechler, Daoqin Tong, Ashley Erbe and Emily Mardarness. 2018. Tucson’s Urban Agriculture Network: A Resource Guide for Tucson’s Gardeners. Produced for community and backyard gardeners and non-profit organizations in Tucson as part of the ‘Greening the Food Deserts of Tucson, Arizona’ project funded by the Agnese Nelms Haury Program for Environment and Social Justice. 23 pp. Available at: <https://geography.arizona.edu/greeningfooddeserts/project-outputs>

Stephanie Buechler and Christopher Scott. 2017. Growing Food in the City: Low-income Farmers in the ‘Global North’ versus the ‘Global South.’ A blog post for URBANET. <http://www.urbanet.info/growing-food-in-the-city/>

Stephanie Buechler. February 2017. Women’s Adaptation to Climate Change in Home Gardens in

San Ignacio, Sonora, Mexico. 8 pp. *Improving impact by interlinking gender, geographic, disciplinary and educational dimensions*. Published Proceedings of the Gender Summit 8, North and Latin America. 28-29 April 2016, Mexico City, Mexico. <http://gendersummit8.com/proceedings>.

Agathe Euzen and Stephanie Buechler. 2010. Household-level Water Use Patterns in a Growing Urban Area: the case of Tucson. Report for PUF, PIRVE and the Udall Center of the University of Arizona. October.

###### Emma Zapata Martelo and Stephanie Buechler. 2003. Las mujeres en los sistemas de riego [Women in Irrigation Systems]. In: Memorias del Foro Internacional. Rehabilitacion, Conservación y Manejo de Ecosistemas. [Proceedings of International Workshop on Rehabilitation, Conservation and the Management of Ecosystems] Mexico: Colegio de Postgraduados, INSTRUC and Canadian International Development Agency.

Stephanie Buechler and Gayathri Devi. 2003. Farmer Innovations Among Groundwater Users in Wastewater Irrigated Areas near Hyderabad, India. Published Proceedings of the 8th International Conference on Water Conservation and Reuse of Wastewater. Indian Water Works Association.

Stephanie Buechler and Gayathri Devi. 2003. Household Food Security and Wastewater-dependent Livelihood Activities Along the Musi River in Andhra Pradesh, India. Report submitted to the World Health Organization (WHO), Geneva, Switzerland and background paper for 2006 World Health Organization’s publication

Health Guidelines for the Use of Wastewater in Agriculture and Aquaculture

(see <http://www.who.int/water_sanitation_health/wastewater/gsuww/en/index.html>

and <http://www.who.int/water_sanitation_health/wastewater/gwwufoodsecurity.pdf>).

Stephanie Buechler, Gayathri Devi and Liqa Raschid-Sally. 2002. Livelihoods and Wastewater Irrigated Agriculture Along the Musi River in Hyderabad City, Andhra Pradesh, India. *Urban Agriculture Magazine*. 8:14-17.

Stephanie Buechler, Wilfrid Hertog and René van Veenhuizen. 2002. Wastewater Use for Urban Agriculture. Editorial article. *Urban Agriculture Magazine*. 8:1-4.

Stephanie Buechler and Martha Meneses. 1994. Con La Cabeza Hay Que Hablar-Estudio de Impacto del Efecto del Crédito en las Microempresas de las Mujeres Clientes del Banco Solidario. [One has to speak with one’s head-Impact Study of Credit and Microenterprises among Female Clients of the Solidarity Bank] La Paz, Bolivia. A consultancy report prepared for the Coalition on Women and Credit, New York, New York.

**Work in Progress**

America N. Lutz-Ley, Christopher A. Scott, Margaret Wilder, Anahi Ocampo-Melgar, Francisco Lara-Valencia, Robert G. Varady, Adriana Zuniga-Teran, Stephanie Buechler, Rolando Díaz-Ceravantes, Alfredo Ribeiro Neto, Nicolas Pineda-Pablos and Facundo Martin. In review. Global-Change Dialogic Networks: A Science-Policy Umbrella for Improving Water Security in the Arid Americas. Under review for special issue ‘Networked Research’ for the journal *Environmental Development*.

Stephanie Buechler and Karina Martinez. In preparation. Energy Justice against Slow Violence in Local Communities. In preparation for submission to a journal.

Stephanie Buechler, Daoqin Tong and Ashley Erbe. In preparation. Institutional and Socio-economic Challenges in Community Gardens: A Case Study of Tucson, Arizona.

**MEDIA**

Stephanie Buechler, Gayathri Devi and Rama Devi (Directors). 2003. Making a Living along the Musi River: Wastewater Users in and around Hyderabad City, India.  Documentary film co-produced by the International Water Management Institute, the Department for International Development, UK and the Resource Center for Urban Agriculture and Food Security Foundation, the Netherlands. 35 minutes. [Aired May 2004 on national television in India].

Stephanie Buechler. (Director). 1994. ‘Doña Avelina, a Bolivian Artisan: Credit and Production.’ Documentary film co-produced by the Coalition on Women and Credit, New York and Banco Solidario, La Paz, Bolivia for the U.N. Fourth World Conference on Women in Beijing, China. Thirty minute and fifteen minute editions.

Content Advisor for the upcoming documentary film: *Food Desert: Exploring America’s Nutritional Wastelands* directed by Lucas Mullikin.

## CONFERENCES/OTHER SCHOLARLY PRESENTATIONS (limited to period in rank)

(\* Indicates Invited Paper)

Stephanie Buechler. Presenter. An Energy Justice Analysis of Women, Water, and Renewable Energy in Arizona and Zacatecas, Mexico. Joint research presented (via Zoom) to the Grassroots Energy Innovation Lab, [Institute for the Future of Innovation in Society](https://ifis.asu.edu/). Arizona State University. July 30, 2020. Phoenix, Arizona.\*

Stephanie Buechler. Presenter. Estudios Aplicados de Agua y Género en Comunidades Rurales, Peri-urbanas y Urbanas [Applied Research on Water and Gender in Rural, Peri-urban and Urban Communities]. Paper presented at the Uninorte University, Barranquilla, Colombia. November 2019. Barranquilla, Colombia.\*

Stephanie Buechler. Presenter and Panel Co-organizer (with Adriana Zúniga-Terán). Potential Sustainable Solutions to Water and Wastewater Resource Management Challenges in Ambos Nogales. Paper Presented on the panel ‘Hydrodiplomacy in Ambos Nogales: Lessons learned from binational storm and wastewater management’. Science, Health, Engineering Policy and Diplomacy Conference. University of Arizona. October 2019. Tucson, Arizona.\*

Stephanie Buechler. Presenter. Energy Justice Challenges and Scalar Dimensions of Renewable Energy Projects in Arizona, USA and Zacatecas, Mexico. Paper Presented on the panel ‘Uneven Geographies of Electricity Capital’. Annual Meeting of the American Association of Geographers. April 2019. Washington, DC.

Stephanie Buechler and Malen Salomon. ‘Challenges Related to Female Urban Farmers in Tucson, Arizona and Mendoza, Argentina’. Paper presented on the panel ‘Sustainability Initiatives around Water’. Global Conference on Water Management. Director General of Irrigation. March 2019. Mendoza, Argentina\*

Stephanie Buechler. Presenter. Food-Energy-Water Nexus Challenges in Low-Income Neighborhood Community Gardens in Tucson, Arizona. Paper Presented on the panel ‘Challenges of the ‘FEW’ Nexus in Extreme Environments’. Human Challenges in Extreme Environments Workshop. UMI and Udall Center. University of Arizona. November 2018. Tucson, Arizona.\*

Stephanie Buechler and Karina Martinez. Presenters. With Verónica Vázquez García and Dulce María Sosa. Energy Justice Dimensions and SDG 6 and 7 Intersections: Women, Water and Renewable Energy. School of Geography and Development colloquium. University of Arizona. October 2018. Tucson, Arizona.

Stephanie Buechler. Presenter. With Karina Martinez, Verónica Vázquez García and Dulce María Sosa. Gender and Poverty Dimensions of Water, Renewable Energy and Sustainable Development Linkages in Semi-arid Arizona, USA and Zacatecas, Mexico. Poverty, water and sustainable development in global change: exploring the nexus from a sustainability science and human security perspective. World Social Science Forum. Sept. 2018. Fukuoka, Japan.\*

Stephanie Buechler, Verónica Vázquez García with Dulce María Sosa, Karina Martínez and Cecy Cuevas. Co-author. Presented by Cecy Cuevas and Karina Martínez. Comparando los Impactos para Las Mujeres de los Proyectos de Energía Renovables Grandes y Micro en Arizona y Zacatecas [Comparing the Impacts on Women of Large and Small Renewable Energy Projects in Arizona and Zacatecas]. Congreso Internacional de Ingenería Ambiental [International Environmental Engineering Congress]. May 2018. Hermosillo, México.

Stephanie Buechler and Verónica Vázquez García. Presenter. Synergies and Disconnects between Wind and Solar Projects and Women’s Lives and Livelihoods in Zacatecas, Mexico and Arizona. Paper Presented on the panel ‘Dwelling on Energy: Exploring social and cultural influences on domestic energy use in international contexts (I).’ Annual Meeting of the American Association of Geographers. April 2018. New Orleans, Louisiana.

Stephanie Buechler, Verónica Vázquez García with Dulce María Sosa, Karina Martínez and Cecy Cuevas. Co-author. Presented by Cecy Cuevas and Karina Martínez. Comparando los Impactos para Las Mujeres de los Proyectos de Energía Renovables Grandes y Micro en Arizona y Zacatecas [Comparing the Impacts on Women of Large and Small Renewable Energy Projects in Arizona and Zacatecas]. Pobreza Energética y la Agenda 2030 de Desarrollo Sostenible [Energy Poverty and the 2030 Sustainable Development Agenda]. April 2018. Ciudad Juárez, México.\*

Stephanie Buechler, Verónica Vázquez García with Dulce María Sosa, Karina Martínez and Cecy Cuevas. Co-presenter. ‘Synergies and Disconnects between Women’s Lives and Livelihoods and Large and Small-scale Renewable Energy Projects in Arizona and Zacatecas, Mexico and Implications for Policy.’ Udall Center for Studies in Public Policy lunch talk. University of Arizona. March 2018. Tucson, Arizona.

Stephanie Buechler. Speaker. Agriculture and Renewable Energy Under Environmental Change: Emerging Areas in Ecofeminist Research. Paper Presented on the panel ‘New Feminisms: Ecofeminism.’ Women and Gender Studies Department. University of North Carolina, Greensboro. January 2018. Greensboro, North Carolina.\*

Stephanie Buechler, Daoqin Tong, Chloe Hein and Ashley Erbe. Presenter. Desert Food Production, Community Gardens and Social Justice in Tucson, Arizona. Paper Presented on the panel ‘Food system transitions: Concepts, pathways, examples.’ Annual Meeting of the American Association of Geographers. April 2017. Boston, Massachusetts.

Stephanie Buechler. Discussant. My Current Research on Latin America and How it Challenges Injustice and Inequalities. Presented as part of Roundtable ‘Critical Geographies in Latin America.’ Annual Meeting of the American Association of Geographers. April 2017. Boston, Massachusetts.

Stephanie Buechler. Presenter. Estudiando Medios de Vida en Comunidades Rurales de Sonora, México desde la Perspectiva de Género, Edad y Cambio Medioambiental [Studying Livelihoods in Rural Sonora, Mexico from the Perspective of Gender, Age and Environmental Change]. Presentation for International Meeting of the Red De Género, Sociedad y Medio Ambiente [Gender, Society and Environment Network]. Presentation via Skype Oct.19, 2016. From Tucson, Arizona to Mexico City, Mexico.\*

Stephanie Buechler. Speaker. Governance, Livelihoods and Gender Issues in Run-of-the-River Hydropower Project Areas in Uttarakhand, India. *Women and Gender in International Development Program Speaker Series*, Virginia Tech University, October 13, 2016. Blacksburg, Virginia.\*

Stephanie Buechler. Presenter. Gendered Adaptation to Water Resource Pressures and Climate Change in Home Gardens and Small Orchards in San Ignacio, Sonora, Mexico. Presented on Panel ‘Sex and gender knowledge improving water management.’ Gender Summit 8. April 29, 2016. Mexico City, Mexico.\*

Stephanie Buechler. Roundtable Participant. Social and Environmental Justice, Food Access and Security with Urban Agriculture in Tucson, Arizona. Participant in Roundtable Closing Panel for Symposium Entitled: No One Is Immune: Social Justice, Climate Change, and Health. College of Public Health. University of Arizona. April 15, 2016. Tucson, Arizona.\*

Stephanie Buechler. Chair and Co-organizer with Monica Ogra and Emily Billo of Double Panel: ‘Intersectional Research on Gender and the Environment: Theory, Methods, and Practice-a Panel-audience Discussion.’ Annual Meeting of the American Association of Geographers. March-April 2016. San Francisco, California.

Stephanie Buechler. Presenter. Studying Intersectionality Issues in Gender and Environmental Research in the U.S., Mexico and India. Paper presented on panel I chaired and co-organized ’Intersectional Research on Gender & the Environment: Theory, Methods, and Practice-a Panel-audience Discussion I.’ Annual Meeting of the American Association of Geographers. March-April 2016. San Francisco, California.

Stephanie Buechler. Agua, Cambio Climático y Adaptación entre Mujeres Productoras de Queso y

Hombres Rancheros de Rayón, Sonora, México [Water, Climate Change and Adaptation among Women Cheese Producers and Male Ranchers from Rayón, Sonora, Mexico]. Presented via Skype for the Symposium: ‘Transponiendo las fronteras del Cambio Ambiental Global. Enfoques interdisciplinarios sobre vulnerabilidad, adaptación y servicios ecosistémicos’ [Transposing Borders of Global Environmental Change. September 2015. Mendoza, Argentina.\*

Stephanie Buechler. Chair of Panel and Presenter. Panel: ‘A Political Ecology of Women, Water and Global Environmental Change: a Panel-audience Discussion of Current Contributions to Feminist Environmental Research.’ Annual Meeting of the American Association of Geographers. April 2015. Chicago, Illinois.

Stephanie Buechler and América Lutz Ley. Co-Presenter. Exploring Age, Gender, Education and Employment Linkages in a Climate-Water Stressed Rural Community in Northwest Mexico. Paper presented on panel ‘Climate Change Adaptation and Gender.’ Annual Meeting of the American Association of Geographers. April 2015. Chicago, Illinois.

Stephanie Buechler and América Lutz Ley. Co-Presenter. Female and Male Youth's Education and Labor-Related

Choices in a Changing Environment in a Ranching Community in Sonora, Mexico. Oceans and Deserts

Conference. University of Arizona. March 2015. Tucson, Arizona.\*

Stephanie Buechler. Presenter. Age and Gender in Decision-making under Changing Economic and Environmental

Conditions in an Agricultural Community in Sonora, Mexico. Co-authored with América Lutz Ley. Globalization, Gender and Development Conference. University of Oregon. October 2014. Eugene, Oregon. \*

Stephanie Buechler and Nathan Herrera. Co-presenter. Care Work and Place-making to Combat Isolation: Urban Community Gardening and Rainwater Harvesting among the Elderly and Disabled in a ‘Food Desert’ in Tucson, Arizona. Association of Pacific Coast Geographers annual meeting. September 2014. Tucson, Arizona.

Leigh-Anne Schmidt and Stephanie Buechler. Co-presenter. “I risk everything because I have already lost everything.” Las Mujeres Luchadoras: Central America Women and Girls Speak Out on the Migrant Trail in Oaxaca, Mexico. Association of Pacific Coast Geographers annual meeting. September 2014. Tucson, Arizona.

Stephanie Buechler and Christopher Scott. Presenter. Local Decision-making for Adaptation to the Urban Heat Island: Governance Responses to Climate Change in the U.S. Southwest. Water resources: Monitoring,

Integrated assessment and Management. IAHS. June 2014. Bologna, Italy.

Christopher Scott and Stephanie Buechler. Co-author. Socio-hydrology of water scarcity in the United States-

Mexico borderlands. Panel: Floods, droughts and water risks in a changing socio-hydrological context:

Feedbacks between water resources and social systems. IAHS. June 2014. Bologna, Italy.

Stephanie Buechler.  Presenter. Women’s Strategies in Riparian Communities in Sonora in the Face of Increasing

Precarization of Food Processing and Farming Livelihoods.  Presentation for the Precarity Lecture Series,

University of Illinois, Chicago.  April 24, 2014. Chicago, Illinois.\*

Stephanie Buechler. Presenter. Women, Water and Environmental Change. Oceans and Deserts Conference. University of Arizona. February 2014. Tucson, Arizona.\*

Stephanie Buechler. Speaker. Social Justice and Women Cheese Producers in Changing Climate-Water

Conditions in Sonora, Mexico. Social Justice and Climate Change Event. Ohio State University. October 2013. Columbus, Ohio.\*

Stephanie Buechler. Presenter. Knowledge Sharing and Innovation among Tucson, Arizona’s Rainwater Harvesters. Paper to be presented on panel: ‘The Role of User Organizations in the Management of Water Resources and Production: Economic and Legal Systems.’ International Symposium on Water, Productivity and Economic Development. June 2013. Mendoza, Argentina.\*

Stephanie Buechler. Chair and Presenter. Climate-Water Challenges and Adaptation Strategies of Women in Three Riparian Communities of Sonora, Mexico. Paper presented on panel: ‘Environmental Governance, Discourse and Debate.’ Latin American Studies Association Congress. May 2013. Washington, D.C.

Stephanie Buechler and Anne-Marie Hanson. Moderator and Co-Organizer. Double Session ‘Feminist Political Ecology of Rivers, Watersheds, Wetlands and Coastal Environments.’ Annual Meeting of the American Association of Geographers. April 2013. Los Angeles, California.

**COMMUNITY PRESENTATIONS**

Stephanie Buechler. Presenter. Greening the Food Deserts of Tucson-Project Advances and Policy Brief Input. Second Stakeholder Meeting for the Haury Project ‘Greening the Food Deserts of Tucson.’ University of Arizona. February 13, 2017. Tucson, Arizona.

Stephanie Buechler. Presenter. Greening the Food Deserts of Tucson-Introduction to Project and Discussion of Knowledge Needs for Gardeners. First Stakeholder Meeting for the Haury Project ‘Greening the Food Deserts of Tucson.’ University of Arizona. October 26, 2016. Tucson, Arizona.

Stephanie Buechler. Moderator and Discussant on Panel: ‘The Effects of Mining on Women and their Communities and Opportunities to Take Action with Oxfam as a Sister on the Planet.’ International Women’s Day Workshop. February 2015. Seattle, Washington.\*

**AWARDED GRANTS AND CONTRACTS** (limited to period from 2009 to the present; % of grant within UA*)*

Federal Grants and Contracts

2009-2010 Gendered Livelihoods, Migration and Water Resources in Rural Sonora, Mexico. (P.I., 60%). $11,000. García-Robles Border Grant. Fulbright.

2010-2015 Strengthening Resilience of Arid Region Riparian Corridors: Ecohydrology & Decision-Making in the Sonora and San Pedro Watersheds (Co-PI, 30%), Co-P.I.s: Christopher Scott, Randy Gimblett, Thomas Meixner. $1,466,447; National Science Foundation, Dynamics of Coupled Natural-Human Systems (CNH).

2011-2013 Arid Cities in Changing Climates: Urban Land and Water Use in the Desert Southwest. (Co-P.I., 33%), Co-P.I.s: Stephen Yool and Christopher Scott. $277,686; Bureau of Reclamation and WSP University of Arizona.

International Grants

2018-2019 A Collaborative Evaluation of the Impacts of a Bi-national Wastewater Treatment Plant. (Co-P.I., 33%), $25,000 (for the UA). Co-P.I.s: Christopher Scott and Adriana Zuniga Teran (UA) and Rigoberto Garcia Ochoa (COLEF, Nogales, Sonora, Mexico). North American Development Bank.

2017-2018 Towards Improved Synergies: Women, Natural Resource Based Livelihoods and Renewable Energy in Arizona and Zacatecas. (Co-P.I., 100%), Co-P.I.: Verónica Vázquez Garcia (COLPOS Montecillo, Mexico). $54,906.Consortium for Arizona-Mexico Arid Environments (CAZMEX) program.

2015-2017 The irrigation-hydropower nexus in the Ganges headwaters. (UA Co-P.I., 25%), Co-P.I.s: Christopher Scott (UA) and Debashish Sen (PSI, India) and Aditi Mukherji (ICIMOD, Nepal) $348,143**;** Water, Land and Energy (WLE) Program. Consultative Group on Agricultural Research (CGIAR).

2014-2015 Gender and Climate Change in the Semi-arid Border Region of Sonora and Arizona. (PI, 15%), $25,000; with Margarita Velásquez (Universidad Nacional Autónoma de México), Diana Liverman and Miriam Gay-Antaki (UA graduate student-Investigator). University of Arizona-CONACYT-Mexico Binational Consortium for Regional Scientific Development and Innovation.

State Grants

2020 2020: Supporting Urban Gardeners during COVID-19. (P.I. 25%). Spicer Foundation; School of Geography, Development and Environment. Total $15k. University of Arizona.

2019-2020 Developing an outreach model for green infrastructure to address flooding and sewage spills in Ambos Nogales. (Co-P.I. 10%), Co-P.I.: Adriana Zúniga-Terán (UA). $7,500. Arizona-Sonora Inter-university Research Collaboration Seed Grant.

2019 Student-Faculty Interaction Grant. (P.I. 5%). $500. Funding for student field trips for my Fall 2019 graduate course, DVP 621 ‘Natural Systems Management: Applications in Tucson, Southern Arizona and the Border’. University of Arizona.

2019 Food Desert-Exploring America’s Nutritional Wastelands. Visiting Associateship for Lucas Mullikin, filmmaker, to work with Stephanie Buechler and others at the University of Arizona on a documentary film based in part on Dr. Buechler and Daoqin Tong’s research on community gardens and healthy food access in low-income neighborhoods in Tucson. (Co-P.I. 20%), Co-P.I.: Lucas Mullikin Lucrative Pictures. $12,713. Agnese Nelms Haury Program in Environment and Social Justice. University of Arizona.

2017 Mining women in changing semi-arid environments. Gendered socio-ecological impacts of mining

in the Sonoran Desert transboundary region. Pilot research in Sonora. (Co-P.I.; 20%), Co-P.I.s: América Lutz Nalley and Lorenia Velázquez (COLSON Hermosillo, Mexico). $5,000. The Next Generation Sonoran Desert Researchers (N-Gen).

2016-2018 Greening the Food Deserts of Tucson, Arizona. (Co-P.I. 60%), Co-P.I.: Daoqin Tong (ASU). $48,664.77. Agnese Nelms Haury Program in Environment and Social Justice. University of Arizona. No-cost extension: April 2018.

2015 A Comprehensive Food Access Analysis in Tucson. Making Action Possible (MAP) Grant. (Co- P.I.; 45%), Co-P.I.: Daoqin Tong. $7,500. Economic Business Research Center, Eller College of Management. University of Arizona.