

# STEPHANIE J. BUECHLER – CURRICULUM VITAE

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## Education

PhD 2001 Sociology Binghamton University Binghamton, NY  
(Title: Water and Guanajuato's *Ejido* Agriculture: Resource Access, Exclusion and Multiple Livelihood Strategies)

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)

BA 1989 Political Science Haverford College Haverford, PA

## Areas of Specialization

- Livelihoods, Gender, Climate Change and Water
- Social/Institutional/Health Issues in Water Resource Management
- Food Security
- Urbanization, Water and Development
- Gender/Water/Migration Dynamics
- Urban/ Peri-Urban Agriculture
- Development, Poverty and Households
- Gender, Labor and Agriculture

## Regional Focus

U.S., Mexico, Bolivia, Honduras, India, Nepal

## Professional Affiliations

American Anthropological Association, Latin American Studies Association, Mexican Rural Scholars Network, Gender and Water Alliance

## Professional Experience

- August 2006-ongoing      **Research Associate.** Bureau of Applied Research in Anthropology (BARA). The University of Arizona (U of A). Tucson, Arizona. Proposal writing with faculty from many different research institutes at U of A on water issues in Arizona. Conducting research on gender, water scarcity, climate change and livelihoods in Sonora, Mexico. Taught graduate course entitled 'Gender and Natural Resource Management in Latin America' for Latin American Studies Program. Guiding Independent Study 'Field Application of Feminist Research Methodologies'. Thesis advisor on gender, development, agriculture and natural resources topics. Reviews of journals and reviews of NSF research project proposals on gender, water and agriculture.
- November 2005-May 2006      **Research Fellow.** Urban Agriculture Network. Silver Spring, MD. Developing Proposal for Action Research on Urban Experiments with Green Cities Projects. Meeting funding organizations. Contributing to update of book on urban agriculture with Jac Smit and Joe Nasr. Organized database on 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 course to graduate students entitled 'Food Security and Livelihoods in Comparative Perspective'. Interactive, multi-method and multi-media teaching tools used.
- April 2004-September 2005      **Associate Researcher.** International Water Management Institute (IWMI), South Asia office, Hyderabad, Andhra Pradesh, India. Primary author of successful proposal for German International Cooperation Ministry (BMZ). Obtained Euros 800,000 (\$US 1.01 million) from BMZ for multi-disciplinary research project entitled 'Ensuring Health and Food Safety from Rapidly Expanding Wastewater Irrigation in South Asia'. Project goal: analyze urban and peri-urban wastewater agriculture in India and Pakistan in terms of risks to livelihoods, food security, food safety and health of wastewater-dependent farmers, agricultural laborers and consumers of vegetables and milk. Participated in inception workshop, coordinated with local and international research partners.
- October 2001-April 2004      **Post-doctoral Researcher.** IWMI, South Asia office, Hyderabad, Andhra Pradesh, India. Research, workshop coordination, stakeholder coordination, production of documentaries, policy outreach, grant writing and supervision of research assistants, post docs and doctoral, Master's and B.A. students. S. Asia coordinator for RUAF.
- 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	<b>Adjunct Lecturer</b> ('Women's Work': 2 semesters; 'Latin American Women and their Communities'). <b>Teaching Assistant</b> ('Social Deviance'). Binghamton University.
1994	<b>Consultant.</b> Coalition on Women and Credit, New York, New York. Two consultancies in La Paz, Bolivia. May-September.
1992-1993	<b>Project Director Urban Microenterprise Development.</b> Caritas. Tegucigalpa, Honduras.
1992	<b>Researcher.</b> Appropriate Technology International (ATI) (renamed Enterprise Works Worldwide). Washington D.C.

### Grants and Awards

October 2001-the present:

Source and Value of Research Grants:

With BARA:

Future:

Fulbright Border Program (August-May 2008) 10,650

Present:

Resource Center on Urban Agriculture and Forestry \$700

Magellan Circle Award \$500

Past:

Arizona Water Institute \$9,500

With IWMI:

US Agency for International Development \$70,000

UK Department for International Development \$190,000

Resource Center for Urban Agriculture and Food Security (RUAFF) Foundation, the Netherlands \$650,000

The International Development Research Centre (IDRC), Canada \$200,000

World Health Organization (WHO) \$3,500

German International Cooperation Ministry (BMZ) \$1,010,000

Core IWMI funding from four research themes: Sustainable Groundwater Management; Water, Health and the Environment; Water Resources, Institutions and Policy; Smallholders and Institutions \$200,000

2001 Dissertation Year Fellowship Award. Binghamton University.

1999 Funding awarded for proposal written for Mexican researchers with IWMI to conduct one-year study on irrigation and gender in traditional irrigation systems in Guanajuato.

1997-2000 IWMI funding for stipend, dissertation research expenses, write-up.

1991 Beatrice Brown Award for Master's thesis. Cornell University.

## Publications

- Stephanie Buechler. Manuscript Under Review. "Preserving Social Networks and Canning Creativity Creativity in the Context of Globalization, Water Scarcity and Climate Change: Gendered Fruit and Vegetable Processing Near the Mexico-U.S. Border". Submitted May 1 for special issue on Women and Agriculture in Signs: Journal of Women in Culture and Society.
- Stephanie Buechler and Gayathri Devi. Forthcoming, 2008. "Gender Dynamics of the Effects of Growing Urban Areas on Irrigated Agriculture in Central Mexico and South India". For special issue on Gender and Water for journal Gender, Place and Culture.
- Stephanie Buechler. Forthcoming, 2008. "Gender, Water Scarcity and Climate Change in the Peri-urban Production of Fruit and Fruit Products in Sonora, Mexico" 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. Forthcoming 2008. "Gender Dimensions of Urban and Peri-urban Agriculture in Hyderabad, India: A Case Study" 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 and Gayathri Devi. Forthcoming 2008. "Highlighting the User in Wastewater Research: Gender, Caste and Class in the Study of Wastewater-dependent Livelihoods in Hyderabad, India" in Sara Ahmed, Suman Rimal Gautam and Margreet Zwarteveen (co-eds.) Engendering Integrated Water Management in South Asia: Policy, Practice and Institutions. New Delhi: Sage Press.
- Stephanie Buechler. 2007. Book review of Globalization, Water and Health: Resource Management in Times of Scarcity. Linda Whiteford and Scott Whiteford (eds.). Santa Fe: School of American Research Press and Oxford: James Currey Ltd, 2005, pp. 336 for *Anthropos*. 102(2):656-658.
- 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 Christopher Scott. 2006. Contributors to Chapter 4 'Water Scarcity, Risk and Vulnerability'. The 2006 Human Development Report -Beyond Scarcity: Power, Poverty and the Global Water Crisis. United Nations Development Program (UNDP). New York.
- Stephanie Buechler, Gayathri Devi and Ben Keraita. 2006. "Wastewater Use for Urban and Peri-urban Agriculture" in Henk de Zeeuw, Marielle Dubbeling and Rene van Veenhuizen (eds.) Cities Farming for the Future. RUAF Urban Agriculture Programme. RUAF Foundation. Leusden, the Netherlands, Institute of Rural Reconstruction and International Development Research Centre, Canada.
- Stephanie Buechler and Gayathri Devi Mekala. December 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.

- 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*. Vol. 54, July.
- Stephanie Buechler. 2005. "Women at the Helm of Irrigated Agriculture in Mexico: the Other Side of Male Migration" 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" in Cecilia Tortajada and Ricardo Sandoval (eds.). Hacia una Gestión Integral del Agua en México: Retos y Alternativas [Towards an Integrated Plan for Water in Mexico: Challenges and Alternatives] Mexico: Porrúa Publishers.
- Stephanie Buechler. 2004. "A Sustainable Livelihoods Approach for Action Research on Wastewater Use in Agriculture" in Christopher Scott, Naser Faruqi and Liqa Rachid-Sally (eds.) Wastewater Use in Irrigated Agriculture: Confronting the Livelihood and Environmental Realities. CABI press.
- Tushaar Shah, Christopher Scott and Stephanie Buechler. 2004. "Water Sector Reforms in Mexico: Lessons for India's New Water Policy". *Economic and Political Weekly*. January 24.
- Emma Zapata Martelo & Stephanie Buechler. 2003. "Las mujeres en los sistemas de riego" [Women in Irrigation Systems]. In: Memorias del Foro Internacional. Rehabilitación, 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, 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. [Aired May 2004 on national television in India].
- Stephanie Buechler and Gayathri Devi. 2003. "Farmer Innovations Among Groundwater Users in Wastewater Irrigated Areas near Hyderabad, India". Published Proceedings of the 8<sup>th</sup> 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](http://www.who.int/water_sanitation_health/wastewater/gsuww/en/index.html) and [http://www.who.int/water\\_sanitation\\_health/wastewater/gwwufoodsecurity.pdf](http://www.who.int/water_sanitation_health/wastewater/gwwufoodsecurity.pdf)).
- 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" in Rema Devi and Naved Ahsan (eds.). Water and Wastewater: Developing Country Perspectives. London, U.K.: International Water Association.
- Stephanie Buechler. 2003. "Irrigated Agriculture on Mexican Ejidos: Complementarities with Off-farm and Non-farm Economic Strategies" 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, 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*. Issue no. 8 on Wastewater Use.
- Stephanie Buechler, Wilfrid Hertog and René van Veenhuizen. 2002. Editorial article for *Urban Agriculture Magazine*. Issue no. 8 on Wastewater Use Worldwide.
- Stephanie Buechler. 2002. "Migración Masculina y Mujeres y Niños Productores en Irapuato, Guanajuato" [Male Migration and Female and Child Producers in Irapuato, Guanajuato] in Cristina Steffen and Flavia Echanove (eds.). Los Agricultores de Granos Básicos en Guanajuato [Cereal Grain Farmers in Guanajuato]. CONACYT.
- 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" ["Irrigation under Adverse Conditions: Wastewater Users in Irapuato, Mexico"] in Scott, Christopher, Philippus Wester and Boris Marañón (eds.). Asignación, Productividad y Manejo de Recursos Hídricos en Cuencas [Allocation, Productivity and Management of Water Resources in Basins]. Serie Latinoamericana. Guanajuato. International Water Management Institute.
- Stephanie Buechler and Emma Zapata. 2000. "Introducción" 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". [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" 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.
- Shelley Feldman and Stephanie Buechler. 1998. "Negotiating Difference: Constructing Selves and Others in a Transnational Apparel Manufacturing Firm". *The Sociological Quarterly*. 39(4).
- Hans Buechler, Judith-Maria Buechler, Simone Buechler and Stephanie Buechler. 1998. "Financing Small-scale Enterprises in Bolivia" in Lynne Phillips (ed.) The Third Wave of Modernization in Latin America-Cultural Perspectives on Neoliberalism. Jaguar Books. Delaware: Scholarly Resources, Inc.
- 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. New York: Coalition on Women and Credit.
- 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, Beijing, China.

### **Selected Conference Presentations**

- Stephanie Buechler. Water Scarcity Implications for Agriculture, Development and Migration near Magdalena, Sonora, Mexico. Paper presented on panel 'El Impacto de la Migración en el Desarrollo Local' at the Latin American Studies Association Congress. September 5-8, 2007. Montreal, Canada.

Stephanie Buechler and Gayathri Devi. Spatial and Gender Dynamics of the Effects of Growing Urban Areas on Irrigated Agriculture in Central Mexico and South India. Paper presented on panel 'Gender Geographies of Water' at the American Association of Geography Annual Meetings. April 19, 2007. San Francisco.

Stephanie Buechler and Gayathri Devi. "Highlighting the User in Wastewater Research: Gender, Caste and Class in the Study of Wastewater Management in Hyderabad, India". Paper presented at a workshop on gender and water funded by SaciWaters, Hyderabad and Wageningen University, the Netherlands. October 9-13, 2006. Hyderabad.

Stephanie Buechler and Gayathri Devi. "Local Responses to Water Resource Degradation: Innovations of Groundwater Farmers in a Rapidly Urbanizing Area of India". American Sociological Association Annual Meetings, Philadelphia. August 13-16, 2005.

Stephanie Buechler. "Male Migration and Female Producers, the Case of Guanajuato, Mexico". Latin American Studies Association Congress. Washington, D.C., September, 2001.

Stephanie Buechler. "Las Mujeres Productoras, el Riego y la Migración Masculina en Guanajuato". Presented as part of panel chaired by Stephanie Buechler entitled 'Género y Agua en el Ámbito Rural' for the Latin American Association of Rural Sociology (ALASRU). Zacatecas, Mexico, June, 2001.

Stephanie Buechler. "For Us, This Water is Life, Irrigation under Adverse Conditions: Wastewater Users in Irapuato, Mexico". Rural Sociological Society Annual Meetings. Washington, D.C., August, 2000.

Stephanie Buechler. "El Trabajo de las Mujeres, Niños y Hombres en Parcelas Pequeñas Bajo Riego en Tiempos de Crisis". Presented on panel 'Las Políticas de Cambio Estructural en el Campo Mexicano: Escenarios y Respuestas'. Latin American Studies Association, International Congress. Miami, Florida, March, 2000.

Stephanie Buechler. "Irrigated Agriculture on Mexican *Ejid*os: Complementarities with Off-farm Economic Strategies". Presented on panel chaired by Stephanie Buechler, 'Water, the Environment and Gender Relations in Mexican Households'. Latin American Studies Association, International Congress. Chicago, Illinois, September 1998.