

Paul Rogé, PhD

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Education

PhD, UC Berkeley (2013)

Department: Environmental Science, Policy, and Management

Dissertation: *Rainfed agriculture and climatic variability in Oaxaca, Mexico*

Bachelors in Science, UC Berkeley (2004)

Major: Conservation and Resource Studies / Sustainable Agriculture

Minor: Forestry

Funding and Awards

Healing Living Systems and Grow Riverside Contract (2018–present)

UC Berkeley Lecturer Teaching Fellowship (2017–present)

UC Berkeley American Cultures Engaged Scholarship Award (2017–present)

Foundation for Food and Agriculture Research (2017 – present)

USDA Western Extension Risk Management Education Program (2017 – present)

USDA Beginning Farmer and Rancher Development Program (2015 – present)

USAID Modernizing Extension and Advisory Services Leader Award (2015 – 2016)

Gates Foundation Scoping Grant (2014 – 2015)

LASPAU Climate Change Professional Fellows Program (2012)

Fulbright-Garcia Robles Scholar (2010 – 2011)

UC MEXUS-CONACYT and UC MEXUS Small Grant (2009 – 2010)

Current Employment

Agroecology Researcher (17% appointment since January 2018)

University of California, Berkeley (UC Berkeley)

Food Systems Lecturer (33-83% appointment since July 2016)

University of California, Berkeley (UC Berkeley)

Agroecology Educator and Researcher (20-60% appointment since May 2016)

Multinational Exchange for Sustainable Agriculture (MESA)

Faculty Owner (since February 2017)

Cooperative New School for Urban Studies and Environmental Justice

Recent and Current Research

Agroecology Researcher, UC Berkeley (2017 – present). I am evaluating the potential of no-till vegetable production and forage radish cover crops to improve soil quality and enhance water retention in urban production systems. This research is funded by [FFAR](#).

Research Associate, Michigan State University (2014 – 2016)

1. *Perennial Staple Food Crops.* I evaluated the potential for perennial staple food crops through literature reviews and interviews with farmers in Mali and Malawi. This research was funded by the [Gates Foundation](#).
2. *Strengthening Agriculture and Nutrition Extension Services Activity.* I studied the linkages between research and agricultural extension for nutrition-centered farming in Malawi. This research was funded by [USAID](#).

Doctoral Researcher, UC Berkeley (2008 – 2013). My dissertation research at UC Berkeley focused on how farmers in the Mixteca Alta Region of Oaxaca, Mexico prepared for and coped with climatic variability. This research was funded by [Fulbright](#) and [UC MEXUS](#).

Teaching and Mentorship in Higher Education

Experiential Learning Through Engagement in Food Systems (2016 – present). Lecturer, UC Berkeley. I teach the capstone project-based course for the Food Systems undergraduate minor.

Urban Agriculture and Food Justice (2017 – present, 2013, 2009). Currently lecturer, formerly graduate instructor, UC Berkeley. This course teaches ecologically-based horticulture and examines urban agriculture from the perspective of food justice.

Undergraduate Mentorship (2016 – present). Lecturer, UC Berkeley. In addition to mentorship to students, I have supervised three undergraduate students honors theses and one masters student practicum.

International Agricultural Systems (2014-2015). Lecturer, Michigan State University. We reviewed the biophysical and social dimensions of food production globally.

Society Culture and Environment (2010). Graduate instructor, UC Berkeley. I led discussion sections on feminist, post-colonial, and indigenous critiques of science and technology.

Community Engagement

Campus Compact trainings in community-engaged scholarship and education (2015 – present). I participated in the [Listening, Learning & Engagement Institute](#) and the *Just Listening Program* facilitated by [Luna Jiménez Seminars](#) in 2017 with financial support from the [American Cultures Program](#) and [Public Service Center](#) at UC Berkeley. I also participated in the 2015 *Pen to Paper Writing Retreat on Writing With, For and About Service- and Community-Engagement*.

Facilitation of popular education (2007 – present). I am committed to popular education. I offer online learning for community organizers through the [Cooperative New School](#), and I coordinate a USDA-funded program for formerly incarcerated people and immigrants/refugees

with [MESA](#) and [Planting Justice](#). Through MESA, I am developing new popular education programs: a climate adaptation course for farmers funded by [Western ERME](#) and a training for farmer trainers program funded by [Healing Living Systems](#) and [Grow Riverside](#).

Farming (2001–present). My practical experience with farming is the foundation for research and teaching in agroecology. I have worked on over 5 urban and rural farms for more than 7 years. From 2006–2007, I was responsible for regional direct marketing and organic vegetable and fruit production on a demonstration farm at [ALBA](#). In my undergraduate years from 2001–2004, I was a member of Berkeley Worms, a democratic workplace that composted food scraps to make an organic soil amendment sold at local plant nurseries.

Professional Activities

Active member to the following associations and networks:

[Association of American Geographers](#) (AAG)
[Campus Compact](#)
[Latin American Scientific Society of Agroecology](#) (SOCLA)
[National Incubator Farm Training Initiative](#) (NIFTI)
[Sustainable Agriculture Education Association](#) (SAEA)

Recent peer reviewer for manuscripts submitted to:

[ACME: An International Journal for Critical Geographies](#)
[Ecology and Society](#)
[Human Ecology](#)
[Renewable Agriculture and Food Systems](#)

Professional Skills

Advanced scientific computing and web design: Statistics in [R](#) and geospatial analysis in [Grass GIS](#) and [QGIS](#); website building and maintenance in [Drupal](#), [Wordpress](#), [CiviCRM](#), [BigBlueButton](#), and [Moodle](#);¹ and linux systems administration.

Fluency in English, French, Spanish, and Portuguese. My first languages are English and French. I gained fluency in Spanish through my doctoral research in Mexico and my years of farmwork in the United States. I learned Portuguese from two years of residence in Brazil.

Publications

Forthcoming

1. **Rogé, Paul.** Accepted. “Improvisatory Action Scholarship: Dance practice as metaphor for participatory action research.” *ACME: An International Journal for Critical Geographies*.
2. Snapp, Sieglinde, **Paul Rogé**, Patrick Okori, Regis Chikowo, Brad Peter, and Joseph Messina. Accepted. “Perennial grains for Africa: possibility or pipedream?” *Experimental Agriculture*.

1. See paulroge.net, cooperativenewschool.com, and nature.berkeley.edu/food-systems-projects

Peer-Reviewed Journal Articles

1. Pérez-Marin, Aldrin M., **Rogé, Paul**, Miguel A. Altieri, Luis F. Ulloa Forer, Luciano Silveira, Victor M. Oliveira, and Barbara E. Domingues-Leiva. 2017. "Agroecological and Social Transformations for Coexistence with Semi-Aridity in Brazil." *Sustainability* 9 (6): 990. doi:10.3390/su9060990.
2. **Rogé, Paul**, Tidiane Diarisso, Fatoumata Diallo, Youssouf Boiré, Diakaridia Goïta, Brad Peter, Moussa Macalou, Eva Weltzien, and Sieglinde Snapp. 2017. "Perennial grain crops in the West Soudanian Savanna of Mali: perspectives from agroecology and gendered spaces." *International Journal of Agricultural Sustainability*: 1–20. doi:10.1080/14735903.2017.1372850.
3. Kane, Daniel Aloysius, **Paul Rogé**, and Sieglinde Snapp. 2016. "A systematic review of perennial staple crops literature using topic modeling and bibliometric analysis." *PLOS ONE* 11 (5): e0155788. doi:10.1371/journal.pone.0155788.
4. **Rogé, Paul**, Aida C. Ríos, Silvia V. Ruiz, Patricio Sánchez, Francisco Mora, Miguel A. Altieri, and Marta Astier. 2016. "Manejo de agroambientes para la resiliencia agroecológica al cambio climático: Los sistemas maíz cajete y maíz de temporal en San Miguel Huautla Nochixtlán Oaxaca" [in Spanish]. *Agroecología* 11 (2). <https://paulroge.net/sites/default/files/publications/roge-2016-manejo.pdf>.
5. **Rogé, Paul**, Sieglinde Snapp, Mayamiko Nathaniel Kakwera, Leah Mungai, Isaac Jambo, and Brad Peter. 2016. "Ratooning and perennial staple crops in Malawi: A review." *Agronomy for Sustainable Development* 36 (3). doi:10.1007/s13593-016-0384-8.
6. **Rogé, Paul** and Marta Astier. 2015. "Changes in climate, crops, and tradition: Cajete maize and the rainfed farming systems of Oaxaca, Mexico." *Human Ecology* 43 (5): 639–653. doi:10.1007/s10745-015-9780-y.
7. **Rogé, Paul**, Andrew R. Friedman, Marta Astier, and Miguel A. Altieri. 2014. "Farmer strategies for dealing with climatic variability: A case study from the Mixteca Alta Region of Oaxaca, Mexico." *Agroecology and Sustainable Food Systems* 38 (7): 786–811. doi:10.1080/21683565.2014.900842.

Books and Magazines

1. Altieri, Miguel A., Clara I. Nicholls, **Rogé, Paul**, and Joshua Arnold. 2017. "Urban Agroecology: Principles and potential." *Urban Agriculture Magazine* 33:18–20. <http://www.ruaf.org/urban-agroecology-principles-and-potential/>.
2. Atwood, Leah, Ana Cecilia Galvis, Natalia Pinzón, and **Paul Rogé**. 2017. "Advancing on-farm climate resilience with citizen science." *Farming Matters* 33, no. 2 (June): 26–27. <https://www.ileia.org/2017/06/26/advancing-farm-climate-resilience-citizen/>.
3. Young, Sarah, **Paul Rogé**, and Janna Meiring. 2017. "E|M|MERGING: Addressing racism and instigating change at Earthdance." *Contact Quarterly: Dance & Improvisation Journal* 42 (1): 9–11. <https://paulroge.net/sites/default/files/publications/young-2017-emerging.pdf>.
4. Chikowo, Regis, **Paul Rogé**, and Siegl Snapp. 2016. *Integrating diverse grain legumes for increased land productivity on small farms in Malawi*, 52 Profiles on Agroecology. FAO. <http://www.fao.org/agroecology/detail/en/c/443574/>.

5. Altieri, Miguel, Clara I. Nicholls-Estrada, Alejandro Henao-Salazar, Ana C. Galvis-Martínez, and **Paul Rogé**. 2015. *Didactic Toolkit for the Design, Management, and Assessment of Resilient Farming Systems*. Penang: TWN. <https://paulroge.net/sites/default/files/publications/altieri-2015-didactic.pdf>.
6. **Rogé, Paul** and Marta Astier. 2013. "Preveniéndose para el cambio climático: una metodología participativa" [in Spanish]. Chap. 9 in *Agroecología y Resiliencia Socioecológica: adaptándose al cambio climático*, edited by Clara Nicholls, Leonardo Ríos, and Miguel Altieri, 124–148. Medellín, Colombia: REDAGRES. <https://paulroge.net/sites/default/files/publications/roge-2013-previniendose.pdf>.
7. Altieri, Miguel, and **Paul Rogé**. 2009. "The Ecological Role and Enhancement of Biodiversity in Agroecosystems: Livelihoods and Agroecology in Comparative Perspective." In *Agriculture, Biodiversity and Markets*, edited by Stewart Lotkie and David Carpenter, 15–32. London: Earthscan. <https://paulroge.net/sites/default/files/publications/altieri-2009-ecological.pdf>.

Oral Presentations

1. Miguel, Altieri, and **Paul Rogé**. 2017. "Agroecological Methods to Assess the Resilience of Farming Systems." In *EcoFarm Conference*. Pacific Grove, California: Ecological Farming Association, January 27.
2. **Rogé, Paul**. 2017. "Participatory action research and the evaluation of agroecosystems." In *Workshop on Intensified Ecological Sustainable Agriculture*. Hangzhou, Zhejiang, China: Zhejiang University, August 2.
3. **Rogé, Paul**. 2016. "Discussant." In *Ya No Es Como Antes: Farmer Adaptation to a Changing Climate in Latin America*. San Francisco, CA: Association of American Geographers Annual Meeting, April 1.
4. **Rogé, Paul**. 2016. "Paper Presentation: Participatory action research viewed from the lens of improvisational dance." In *Scholar Activist, Activist Scholar Session: Cultivating an Ongoing Community of Justice of Practice*. San Francisco, CA: Association of American Geographers Annual Meeting, March 30.
5. **Rogé, Paul**. 2015. "Network analysis of literature on perennial grains." In *Annual Meeting*. Association of American Geographers Annual Meeting, April 25.
6. **Rogé, Paul**. 2015. "Values and Practices Associated with Ecosystem Services in Agroecology." In *Regional Agroecology Meeting for Africa*. Dakar, Senegal: FAO, November 5.
7. **Rogé, Paul**, Mayamiko Kakwera, Isaac Jambo, and Sieg Snapp. 2015. "Perenniality in Existing African Cropping Systems." In *Putting Perennial crops to work in practice: Pigeonpeas and Sorghum*. Bamako, Mali: FAO/ICRISAT, September 3.
8. **Rogé, Paul**, Daniel Kane, and Sieg Snapp. 2015. "A Quantitative Review of the Literature on Perennial Grains." In *Putting Perennial crops to work in practice: Pigeonpeas and Sorghum*. Bamako, Mali: FAO/ICRISAT, September 4.

9. Astier, Marta, and **Paul Rogé**. 2012. "Cambios en el clima, sistemas campesinos en México y la Red Iberoamericana de Agroecología para el Desarrollo de Sistemas Agrícolas Resilientes al Cambio Climático" [in Spanish]. In *Memorias del Congreso SEAE*. Albacete, Spain, September 24.
10. **Rogé, Paul**. 2012. "El Cambio Climático y Agroecología" [in Spanish]. In *Special Invitation*. Universidad Rafael Landívar, Guatemala, March 16.
11. **Rogé, Paul**. 2012. "Experiencias con Adaptación al Cambio Climático" [in Spanish]. In *Simpósio Internacional de Agroecología, Cambio Climático y Resiliencia*. Universidad Nacional de Colombia – Sede Medellín, Colombia, March 16.
12. **Rogé, Paul**. 2011. "A Methodology for the Participatory Evaluation of Biophysical Resilience to Climatic Variability: The Mixteca Alta of Oaxaca, Mexico." In *Third Latin American Congress of Agroecology*. Morelos, Mexico, August 19.
13. **Rogé, Paul**. 2011. "Agroecology, Indicators, and Farmer Participation in Sustainable Rural Development." In *Symposium of the Academy of Neotropic Biodiversity*. Oaxaca, Mexico, November 4.
14. **Rogé, Paul**, Miguel Altieri, Marta Astier, Phil Dahl-Bredine, and Aida Carmen Ríos. 2011. "Changes in Sowing: Cajete maize and Climate Change." In *Third Latin American Congress of Agroecology*. Morelos, Mexico, August 19.
15. **Rogé, Paul** and Shoshana Perrey. 2011. "Selecting for Climatic Variability: Seed Conservation for Rainfed Agriculture in Mexico." In *Society for Applied Anthropology (SEAA) Annual Conference*. Seattle, WA: Society for Applied Anthropology, March 30.

Poster Presentations

1. Friedman, Andrew R., **Paul Rogé**, Marta Astier, and Miguel A. Altieri. 2015. "Farmer strategies for dealing with climatic variability: A case study from the Mixteca Alta Region of Oaxaca, Mexico." Association of American Geographers Annual Meeting, April 27.
2. **Rogé, Paul**, Andrew Friedman, Marta Astier, and Miguel Altieri. 2015. "Adaptation of rainfed agriculture to climatic variability in the Mixteca Alta Region of Oaxaca, Mexico." In *Toward Better Understanding of the Impacts of Climate Variability: From Ecosystem Processes to Agricultural Adaptation and Decision Making*. San Francisco, CA, December 18.
3. **Rogé, Paul**, CEDICAM, Andrew R. Friedman, Marta Astier, and Miguel A. Altieri. 2013. "Farmer responses to climatic variability in the Mixteca Alta of Oaxaca, Mexico: Water, Climate, and Society: Challenges and Strategies in a Rapidly Changing World." In *Philomathia Symposium*.
4. Ríos, Aída C, Silvia V Ruíz, Marta Astier, Jesús León Santos, Miguel Altieri, **Paul Rogé**, Francisco Mora, and Mayra Gavito. 2012. "Productividad y Resiliencia en Sistemas Agrícolas Tradicionales en la Mixteca Alta Oaxaqueña" [in Spanish]. In *III Coloquio Internacional en Geografía Ambiental*. Morelia, Michoacán, México, March 24.
5. Friedman, Andrew R, **Paul Rogé**, Marta Astier, and John Chiang. 2011. "Local Climate Variability and Rainfed Maize Agriculture in Highland Oaxaca, Mexico." In *Regional Integration of Climate Science, Information and Capacity Building with Regard to Climate Variability and Change in The Americas*. Denver, CO, October 25.

6. **Rogé, Paul**, Andrew Friedman, Miguel Altieri, Marta Astier, Julio Sánchez Escudero, and Jesús León Santos. 2009. "Adaptation of Traditional Agroecosystems to Climate Variability in Oaxaca, Mexico." In *Brazilian Journal of Agroecology*. Curitiba, Brazil, November 10.
7. **Rogé, Paul**, Lorena Vieli, Albie Miles, and Miguel Wilson Houston Altieri. 2009. "Effect of Landscape Structure on Biological Control of Vineyard Pests in Northern California." In *Brazilian Journal of Agroecology*. Curitiba, Brazil, November 10.