

KAITLYN SPANGLER

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EDUCATION

Utah State University, Logan, UT

PhD in Environment and Society

2018 – Present

Presidential Doctoral Research Fellow

Areas of Concentration: Agricultural diversification; farmer decision-making; qualitative methodologies; geospatial data science

Virginia Tech, Blacksburg, VA

2016 – 2018

M.S. in Geography, GPA: 3.96

Areas of Concentration: Food security; international development; political ecology; qualitative methodologies

Thesis: “When he comes home, *then* he can decide: Male out-migration, the feminization of agriculture, and integrated pest management in the Nepali mid-hills”

- Assessed how the use of IPM affects gendered roles and relations in rural Nepali communities in the context of male out-migration and the feminization of agriculture

The Pennsylvania State University, Schreyer Honors College, State College, PA

B.A. Honors in Anthropology, *magna cum laude*, GPA: 3.95

2012 – 2016

B.S. in Community, Environment, and Development, *magna cum laude*, GPA: 3.92

Areas of Concentration: Agricultural international development; food security; environmental justice

Minor: Global Health

Honors Thesis: “Assessing seasonal dietary variability and vulnerability in the Kilombero Valley”

- Analyzed primary data for 119 households in the village of Mang’ula B, Tanzania to assess seasonal variation in resource access, food security, and nutritional vulnerability

PUBLICATIONS

Spangler, K., Burchfield, E., and Schumacher, B. (2020). Past and current dynamics of U.S. agricultural land use and policy. In press at *Frontiers in Sustainable Food Systems*.

Barnett, M., **Spangler, K.**, Petrzela, P., Filipiak, J. (2020). Power dynamics of non-operating landowner-renter relationships and conservation decision-making in the Midwestern U.S. *Journal of Rural Studies*, 78 (2020).

Spangler, K., Christie, M. E. (2019). Renegotiating gender roles and cultivation practices in the Nepali mid-hills: Unpacking the feminization of agriculture. *Agriculture and Human Values*, 37 (2020).
<https://doi.org/10.1007/s10460-019-09997-0>

Burchfield, E., Nelson, K., and **Spangler, K.** (2019). The impact of agricultural diversification on U.S. crop production. *Agriculture, Ecosystems and Environment*, 285 (2019), 10.1016/j.agee.2019.106615.

RESEARCH AND WORK EXPERIENCE

Climate Adaptation Science Program, Utah State University, Logan, UT

National Science Foundation (NSF) Trainee

2018 - 2021

- Participate in courses, workshops, policy exchanges, and public events focused on interdisciplinary research and communication related to climate change and adaptation
- Complete a 2 summer internships with the Western Rural Development Center (WRDC)

Women and Gender in Development, Center for International Research, Education, and Development (CIRED), Virginia Tech, Blacksburg, VA

Research Associate 2018

- Prepared two academic journal manuscripts, including the majority of literature review, data analysis, drafting, and revisions, utilizing data collected through USAID-funded projects
- Assisted in trip and event logistics for CIRED, including conference budgets, event organization, and networking via e-mail

Women and Gender in Development, Center for International Research, Education, and Development (CIRED), Virginia Tech, Blacksburg, VA

Graduate Research Assistant 2016 - 2018

- Conducted qualitative and participatory gender research for the USAID-funded Asia Vegetable Integrated Pest Management Innovation Lab (AVIPMIL) in Mid-Western Nepal, including 57 farmer interviews, 11 key informant interviews, 7 focus group discussions, and participant observation over 8 weeks
- Analyzed data using ATLAS.ti to inform AVIPMIL activities and project records and prepare manuscripts to be published in academic journals
- Assisted in preparation and logistics for trips and other research projects, including budgets, research plans, and communication with partner organizations
- Helped prepare class materials and grade assignments for a Gender, Environment, and Development course
- Provided technical and logistical support for the Women and Gender in Development Discussion Series speakers

Global Health Minor Fieldwork Program, Dar es Salaam & Dodoma, Tanzania

Student Researcher and Intern 2015

- Shadowed 15+ global health professionals at Muhimbili National Hospital and rural health clinics
- Worked hands-on with Tanzanian nursing students from Muhimbili University to conduct community health assessments of mental health, access to healthcare, and general well-being in Haneti village
- Completed a needs assessment of access to and quality of water in Haneti village over 10 days and presented our findings to Muhimbili University administration

Green Mountain Coffee Roasters Livelihoods Project, Caritas Nyeri, Nyeri, Kenya

Intern 2014

- Conducted 300 farmer surveys in KiSwahili to collect demographic data for project records in the Mukurweini District of Central Kenya
- Distributed project materials farmer beneficiaries, including dairy goats, plantain trees, and bean seedlings
- Helped manage and update office records and databases of project activities and impacts
- Studied East African cultural, economic, and environmental development with 10 Kenyan professionals

PRESENTATIONS

Spangler, K. Morgan, B., Stuienvolt Allen, J., Morissett, C., Brunson, M., Wang, S-Y., Huntly, N. "Climate realities and media conversations: water availability for cannabis agriculture in California's North Coast." Poster at the Ecological Society of America Annual Meeting, Salt Lake City, UT (virtual) 2020

Spangler, K., Burchfield, E., Schumacher, B. "Dynamics of agricultural land use in the U.S.: Toward sustainable transitions". Paper at the US International Association of Landscape Ecology Annual Meeting, Fort Collins, CO. 2019

Burchfield, E., Nelson, K., **Spangler, K.**, "The impact of agricultural diversification on U.S. crop production." Paper at the US International Association of Landscape Ecology Annual Meeting, Fort Collins, CO. 2019

- M.E. Christie, M. Parks, M. Puhl, **K. Spangler**, D. Sumner, E. Van Houweling, L. Zselezky, K. Montgomery. *Participatory mapping in gender and development research: Presenting counterhegemonic possibilities*. Poster at the annual meeting of the American Association of Geographers (AAG), Washington, D.C. 2019
- M.E. Christie, M. Parks, M. Puhl, **K. Spangler**, D. Sumner, E. Van Houweling, L. Zselezky, K. Montgomery. *Participatory mapping in gender and development research: Presenting counterhegemonic possibilities*. Poster at the Women and Gender in Development Conference 2019: Out of the theory & into the field, Blacksburg, VA. 2019
- Amer C. Fayad, D. Sumner, M.E. Christie, M. Shamsunnahar, J. M. Alam, S.L. Alemayhu, W. Mersie, **K. Spangler**, L. Sah, K.H. Seng and R.J. Flor. "Through the lens of social science: How the IPM Innovation Lab is helping smallholder farmers achieve food security in the developing world." Paper at the annual meeting of the American Phytopathological Society, Cleveland, Ohio. 2019
- Christie, M.E., **Spangler, K.**, Sumner, D. "Gendered knowledge, roles, and spaces: IPM cultivation and social change in the Nepali mid-hills." Paper at the Sustainability and Development Conference at the University of Michigan, Ann Arbor, MI. 2018
- Spangler, K.**, Christie, M.E. "When he comes home, then he can decide:" *Feminization of agriculture and male out-migration in the Nepali mid-hills*." Paper at the annual meeting of the American Association of Geographers (AAG), New Orleans, LA. 2018
- Spangler, K.** "What's in a household? Male out-migration, community spaces, and empowerment in the Nepali mid-hills." Monthly meeting of the Rotary Club of Montgomery County, Blacksburg, VA 2018
- Spangler, K.**, Christie, M. E. "What's in a household? Male out-migration, community spaces, and empowerment in the Nepali mid-hills." Paper at the Dimensions of Political Ecology (DOPE) Conference, Lexington, KY. 2018
- Christie, M. E., Sumner, D., **Spangler, K.**, Apriliani, P. D. "Discovering and engaging gendered dimensions of international development." Poster at the Advancing Diversity at Virginia Tech Workshop, Blacksburg, VA. 2018
- Spangler, K.**, Gorenflo, L., Kambi, M. "Assessing seasonal dietary variability and vulnerability in the Kilombero Valley." Paper at the annual meeting of the American Association of Geographers (AAG), Boston, MA. 2017
- Christie, M.E., **K. Spangler**, I. Sereno. "Challenges using qualitative methods to integrate gender into research-for-development projects with biophysical scientists in Asia, Africa, and Latin America." Paper at the annual meeting of the American Association of Geographers (AAG), Boston, MA. 2017
- Spangler, K.** "Gendered implications of the introduction and adaptation of Integrated Pest Management (IPM) practices in Nepal." Paper at the Dimensions of Political Ecology (DOPE) Conference, Lexington, KY. 2017
- Spangler, K.** "Geography from an interdisciplinary perspective." Class presentation for the College of Natural Resources Freshman Year Experience, Virginia Tech, Blacksburg, VA. 2017
- Christie, M. E., Sumner, D., **Spangler, K.**, Sereno, I. "Discovering and engaging gendered dimensions of international development." Poster at the Advancing Diversity at Virginia Tech Workshop, Blacksburg, VA. 2017
- Spangler, K.**, Schneider, G., Strawser, M., Montiel-Ishino, F. A. "Water access and quality in a village near Dodoma, Tanzania." Paper at the annual meeting of the Society for Applied Anthropology (SfAA), Vancouver, BC. 2016

SERVICE

Faculty Search Committee, Geospatial Science of Environment and Society	2019
Master Gardener, Weber County, Utah	2019 – Present
Reviewer, <i>Agriculture and Human Values</i>	2019 – Present
Reviewer, <i>World Development Perspectives</i>	2020 – Present

AWARDS

Presidential Doctoral Research Fellow, <i>Utah State University (\$40,000)</i>	2018 – 2021
Outstanding Master's Student in Geography, <i>Virginia Tech</i>	2017 – 2018
Gary Gaile Travel Award, <i>Development Geographies Specialty Group, AAG (\$200)</i>	2017
Sidman Poole Endowment Fund Recipient, <i>Department of Geography, Virginia Tech (\$1500)</i>	2017
Africana Research Center Grant Recipient, <i>Penn State (\$1500)</i>	2015
Phi Kappa Phi Honors Society Member	2015 – 2017
Paterno Fellow, <i>College of Liberal Arts</i>	2012 – 2016
Dean's List, <i>College of Liberal Arts</i>	2012 – 2016
Dean's List, <i>College of Agricultural Sciences</i>	2012 – 2016
Schreyer Honors College Scholar, <i>Penn State (\$16,000)</i>	2012 – 2016

SPECIAL SKILLS

Languages: English, native language; KiSwahili, speak, read, and write with basic proficiency
 Programming languages: R; SAS
 Computer skills: ATLAS.ti; ArcGIS; Microsoft Office Suite; Adobe Photoshop and Illustrator
 Personal attributes: Self-motivated; Attention to detail; Public Speaking; Adaptability

MEDIA

<https://research.usu.edu/pdrf/portfolio-items/kaitlyn-spangler-spotlight/>

<https://www.agrilinks.org/post/male-out-migration-change-households-change-public-spaces>

https://www.wfmz.com/news/area/berks/berks-woman-back-after--month-study-in-nepal/article_475ea8b5-c60d-596e-9793-3aca96c47565.html