

ANNE ELISE STRATTON

Interdisciplinary food systems scientist specializing in transitions to healthy and sustainable diets

Summary	<p>PhD in Natural Resources and Environment (Agroecology) from the University of Michigan</p> <p>Experience designing and leading participatory research projects in agriculture and food systems:</p> <ul style="list-style-type: none">• Data collection – social and economic household survey design, qualitative interviews and focus groups, field experiment design, crop yield and soil sampling, biogeochemical laboratory analysis• Data analysis – geospatial and survey data harmonization, regression/econometrics, structural equation modelling (R software), text coding (NVivo, Dedoose), spatial analysis (QGIS, ArcGIS)• Engagement – research co-design, funding procurement, program development, project management, stakeholder workshops, partnership building (Chile, Guatemala, Brazil, EU) <p>Languages: English (mother tongue), Spanish (fluent), Portuguese (fluent), French (basic)</p> <p>Publications: 7+ peer-reviewed studies in high-impact agriculture & environment journals (link)</p>
Education	<p>University of Michigan (Ann Arbor, MI) Ph.D., Natural Resources and Environment (Agroecology), School for Environment and Sustainability, Sept 2016 - Aug 2021 Dissertation: Assessing Social, Ecological, and Nutritional Outcomes of Crop Diversification: Agroecological Transitions in Southern Brazil Doctoral Advisor: Dr. Jennifer Blesh (agroecology) Committee: Dr. Hannah Wittman (rural sociology), Dr. Donald Zak (ecosystem ecology), and Dr. Andrew Jones (public health nutrition)</p> <p>Tufts University (Medford/Somerville, MA) B.S., Biology & Environmental Studies: Food Systems, Nutrition and the Environment, Sept 2011 - May 2015 <i>Magna Cum Laude</i> with Highest Thesis Honors Thesis Advisors: Dr. Colin Orians (ecology), Dr. Alex Blanchette (anthropology)</p> <p>Universidad Austral de Chile, Middlebury School Abroad in Chile (Valdivia, Chile) Semester of study, Schools of Agronomy and Natural Resources, Aug 2013 – Jan 2014</p>
Professional Experience	<p>Environmental Geography Research Group, Institute for Environmental Studies, Vrije Universiteit Amsterdam (Amsterdam, the Netherlands) Postdoctoral Researcher, Sept 2021 – present Integrate regional farmer survey and geospatial data for all of Europe to model future transition scenarios toward increased legume production and consumption (supervised by Dr. Peter Verburg and Dr. Nynke Schulp)</p> <p>University of Michigan, Ann Arbor, MI with the Federal University of Santa Catarina (UFSC), Florianópolis, Brazil PhD Candidate, May 2018 – Aug 2021 PhD Pre-Candidate, Sept 2016 – April 2018 Through interviews and a multi-year, replicated experiment spanning 15 farms in southern Brazil, I assessed the following social-ecological outcomes on farms at different stages of agroecological transition: (1) relationships between diversification, profitability, and working conditions and (2) impacts of increased functional diversity on nutrient cycling processes and crop production. In a</p>

complementary study on a Brazilian university's experimental farm, I evaluated (3) the relationship between increased crop functional diversity and vegetable nutrient content. This applied, interdisciplinary research contributed insights into how ecological practices can facilitate sustainability transitions in global agriculture.

Food Systems and Global Change Research Group, CSIRO (Brisbane, QLD, Australia)

Intern, Sustainable Food Systems, Feb – June 2021

Collaborated with Dr. Jessica Bogard and Dr. Katharina Waha to analyze impact of cultivated food environments on diet quality. Synthesized nationally-representative household survey data from Bangladesh to understand relationships between agricultural diversity and nutritional adequacy of diets across spatial scales

Centro de Estudos e Promoção da Agricultura de Grupo (CEPAGRO)

Center for the Study and Promotion of Community Agriculture (Florianópolis, SC, Brazil)

Rural Development Team Member, Feb 2018 – Aug 2021

Spearheaded crop diversity and soil fertility initiatives in collaboration with agroecology non-profit, participated in farmer education and extension initiatives, trained farmers in cover crop management and seed production, facilitated workshops at regional meetings for farmers in Rede Ecovida (regional network for participatory organic certification), supervised 2 full-time and 3 part-time employees in Portuguese

EcoLogic Development Fund (Cambridge, MA)

Program Officer for Institutional Development, Oct 2015 – Aug 2016

Program Research Consultant, Jul – Sept 2015

Developed grant proposals and reports in English and Spanish to private foundations and public agencies, communicated effectively in bilingual office environment, conducted prospect research and informed strategy, advanced institutional donor relationships, directly raised over \$180K for sustainable development efforts in Central America and Mexico; restructured and systematized Fuel-Efficient Cookstoves and Agroforestry Programs through research and technical training manual development

Tufts Institute of the Environment, Tufts University (Medford, MA)

Research Assistant, Jan 2014 – May 2015

Analyzed interview transcripts in Spanish, coding by themes of agricultural technology adoption, market access, and climate change, for USAID project in Honduras

Orians Chemical Ecology Lab, Tufts University (Medford, MA)

Lab Technician, Jan – May 2013 and Sept 2014 – May 2015

Tested phytochemical variation (protein) of invasive hemlock woolly adelgid-infested needles and stems

William L. Brown Center, Missouri Botanical Garden (St. Louis, MO)

Biocultural Collection Intern, June – Jul 2013

Interviewed biocultural collection donors and wrote profiles for museum display, conducted ethnobotanical literature reviews, created English-Dakota plant term database, collected and pressed plant specimens and pollen from Shaw Reserve for DNA analysis

NSF Research Experience for Undergraduates in Biology (Medford, MA)

Undergraduate Researcher, May – Sept 2012

Setup, performed, analyzed, and presented two manipulative experiments for publication, collected spectrophotometric data to quantify climate change precipitation effects on tea, planted an intercropped green roof experiment, measured effects of nurse plant on medicinal and edible rooftop garden species

Peer-Reviewed Publications

1. **Stratton, AE**, Comin, J, Siddique, I, Zak, D, Filipini, L, Lucas, R, and Blesh, J. 2022. Assessing cover crop and intercrop performance along a farm management gradient. *Agriculture, Ecosystems and Environment*. <https://doi.org/10.1016/j.agee.2022.107925>
2. **Stratton, AE**, Wittman, H, and Blesh, J. 2021. Diversification supports farm income and improved working conditions during agroecological transitions in southern Brazil. *Agronomy for Sustainable Development*. <https://doi.org/10.1007/s13593-021-00688-x>
3. **Stratton, AE**, Finley, J, Gustafson, D, Mitcham, E, Myers, S, Naylor, R, Otten, J, and Palm, C. 2021. Mitigating sustainability tradeoffs as global fruit and vegetable systems expand to meet dietary recommendations. *Environmental Research Letters*. <https://doi.org/10.1088/1748-9326/abe25a>
4. Williams, T, Dreßler, G, **Stratton, AE**, and Müller, B. 2021. Ecological and financial strategies provide complementary benefits for smallholder climate resilience: insights from a simulation model. *Ecology and Society* 26(2):14. <https://doi.org/10.5751/ES-12207-260214>
5. **Stratton, AE**, Kuhl, L, and Blesh, J. 2020. Ecological and nutritional functions of agroecosystems as indicators of smallholder resilience. *Frontiers in Sustainable Food Systems*, 4: 173. <https://doi.org/10.3389/fsufs.2020.543914>
6. Ahmed, S, Buckley, S, **Stratton, AE**, Asefaha, F, Butler, C, Reynolds, M, and Orians, C. 2017. Sedum Groundcover Variably Enhances Performance and Phenolic Concentrations of Perennial Culinary Herbs in an Urban Edible Green Roof. *Agroecology and Sustainable Food Systems*, 41(5): 487-504. <https://doi.org/10.1080/21683565.2017.1279703>
7. Ahmed, S, Orians, C, Griffin, T, Buckley, S, Unachukwu, U, **Stratton, AE**, Stepp, J, Robbat, A, and Kennelly, E. 2014. Effects of water availability and pest pressures on tea (*Camellia sinensis*) growth and functional quality. *AoB Plants*, 6:1-9. <https://doi.org/10.1093/aobpla/plt054>

Additional Publications

- Stratton, AE**, Blesh, J., Comin, J., Siddique, I., VanDusen, B., 2022. Raw data for “Assessing Cover Crop and Intercrop Performance Along a Farm Management Gradient” (2022) (Version v1) [Dataset]. Zenodo. <https://doi.org/10.5281/zenodo.6079944>
- Stratton, AE**. 2021. *Assessing Social, Ecological, and Nutritional Outcomes of Crop Diversification: Transitions to Agroecological Management in Southern Brazil*. Doctoral Dissertation. University of Michigan. <https://dx.doi.org/10.7302/2717>
- Stratton, AE**. 2021. *Avaliando os resultados sociais, ecológicos e nutricionais da diversificação de cultivos: Transições agroecológicas no sul do Brasil*. Pamphlet for farmers. Florianópolis, SC: Cepagro.
- Filipini, L, Rodrigues Lucas, R, and **Stratton, AE**. 2021. *Adubação verde: ferramenta da agroecologia*. 1st ed. Florianópolis, SC: Cepagro. ISBN 978-85-67297-10-1. <https://bit.ly/cartilha-adubos-verdes>
- Chaudhary, A, Kablan, A, Edwards, A, **Stratton, AE**, Otto, C, Stöckle, C, ... & Conrad, Z. 2018. *Sustainable and Equitable Increases in Fruit and Vegetable Productivity and Consumption are Needed to Achieve Global Nutrition Security*. Aspen Global Change Institute. White Paper. Available from: <https://cgspace.cgiar.org/handle/10568/98375>
- Stratton, AE**. 2015. *Nourishing the ‘People of Maize’: Maize Protein Composition and Farmer Practices in the Q’eqchi’ Maya Milpa*. Senior Honors Thesis in Environmental Studies, Highest Honors. Tufts University. <http://hdl.handle.net/10427/000346>

<p>Publications in Review & Preparation</p>	<p>Blesh, J, Mehrabi, Z, Wittman, H, Bezner-Kerr, R, ... Stratton, AE, ... and Kremen, C. <i>In Review</i>. Against the odds: pathways to agricultural diversification. <i>One Earth</i>.</p> <p>Stratton, AE, and Blesh, J. Crop diversification increases nutrient yield in vegetable agroecosystems. To be submitted to <i>Nature Food</i>.</p> <p>Rasmussen, LV, Grass, I, Mehrabi, Z, ... Stratton, AE, ... and Kremen, C. Agricultural diversification promotes environmental and social synergies across the globe. To be submitted to <i>Nature</i>.</p> <p>Stratton, AE, Bogard, J, Waha, K, Tacconi, F, and Blesh, J. Agricultural diversity and the nutritional adequacy of diets across spatial scales: an analysis of rural Bangladesh. To be submitted to <i>Global Food Security</i>.</p> <p>Stratton, AE, Verburg, P, Waha, K, Stoddard, F, and Schulp, CJ. Diversifying European agriculture with legumes: assessing potential implications for sustainable diets. To be submitted to <i>Global Environmental Change</i>.</p>
<p>Awards & Fellowships</p>	<p>Graduate Research Fellowship Program (GRFP) Fellowship, U.S. National Science Foundation, (\$138,000 over 3 years, a nationally competitive five-year program for graduate students in the sciences), 2016-2021</p> <p>Non-Academic Research Internships for Graduate Students (INTERN) Supplemental Funding Opportunity (NSF 18-102), U.S. National Science Foundation, (\$26,595, to provide graduate students with the opportunity to augment their research assistantships with non-academic research internship activities and training opportunities), Commonwealth Scientific and Industrial Research Organisation (CSIRO) Food Systems and Global Change Team, 2020-2021</p> <p>Rackham Predoctoral Fellowship, Rackham School of Graduate Studies, (\$32,670, to support outstanding doctoral students working on dissertations that are unusually creative, ambitious and impactful), University of Michigan, 2020-2021</p> <p>Graduate Research Opportunities Worldwide (GROW) award, U.S. National Science Foundation and Brazilian Ministry of Education (CAPES), (\$12,500, to expand opportunities for U.S. graduate students to engage in international research collaboration), Federal University of Santa Catarina (UFSC), Brazil, 2018-2020</p> <p>International Institute Individual Fellowship, College of Literature, Science, and the Arts, (\$3,800 for a summer fellowship for students wishing to conduct research abroad), University of Michigan, 2017</p> <p>William D. Drake Prize, Matthaei Botanical Gardens and Nichols Arboretum, (\$2,000, awarded to students dedicated to environmental concerns at both local and global scales), University of Michigan, 2017</p> <p>Graduate Academic Year Foreign Language and Area Studies (FLAS) Fellowship for Portuguese, U.S. Department of Education, Rackham Graduate School, International Institute, (\$58,674, a federally funded program for the study of less commonly taught modern foreign languages in combination with area studies), University of Michigan, 2016-2017</p> <p>The Nancy W. Anderson Award for Environmental Sustainability, Department of Environmental Studies, (\$1,000, awarded annually to the environmental studies student whose work informs public policy decisions that may protect endangered natural resources while promoting sound social and economic development), Tufts University, 2015</p>
<p>Research Grants</p>	<p>Conservation, Food & Health Foundation Grant, (\$85,000 to CEPAGRO to develop a network of cover crop seed production and distribution on farms in a participatory organic certification system across 3 states in southern Brazil), GMA Foundations, Boston, MA, 2019-</p>

2022 (Co-PI, primary grant writer)

Rackham International Research Award, Rackham School of Graduate Studies, (\$6,500 to support international dissertation research expenses), University of Michigan, 2021

U-M Library student mini-grant, (\$1,000 to support innovative and collaborative projects that make a real-life impact), University of Michigan, 2018

Rackham Graduate Student Research Grant, Rackham School of Graduate Studies, (\$4,500 to defray costs of research expenses), University of Michigan, 2018 & 2020

Latin American and Caribbean Studies (LACS) Field Research Grant, Rackham School of Graduate Studies, LACS, the LACS-Brazil Initiative, (\$2,000, to support graduate students conducting preliminary fieldwork abroad), University of Michigan, 2017

ROGUE Program Grant, Tufts Institute of the Environment, (\$5,000, for research assistant position), Tufts University, 2014

International Research Grant - Guatemala, Summer Scholars Program, (\$4,500, for senior honors thesis field research), Tufts University, 2014

International Research Grant - Chile, Mellon Foundation and Middlebury College, (\$1,340 for independent research project during study abroad), 2013 – 2014

Research Experience

University of Michigan, Ann Arbor, MI
with the **Federal University of Santa Catarina (UFSC)**, Florianópolis, Brazil
Ph.D. Research, Sept 2016 – Aug 2021

My dissertation research asked: **how does increased crop functional diversity support agroecological transitions?**

National Socio-Environmental Synthesis Center (SESYNC), Annapolis, MD
Research Pursuit participant, Jan 2020 – present

Contributed datasets and conducted joint quantitative and qualitative analyses of farmer interview data for synthesis workshop entitled “Can Enhancing Diversity Help Scale Up Agriculture's Benefits to People and the Environment?” (PIs: Z. Mehrabi and C. Kremen)

EcoLogic Development Fund, Cambridge, MA

Program-related research, Jul – Sept 2015 and Jul – Aug 2016

Directed a participatory research process for technical, regional, and office staff to select sustainable agricultural strategies appropriate to EcoLogic’s partner communities in Central America and Mexico, designed and drafted conceptual and technical manuals for the Agroforestry Program and Fuel-Efficient Cookstoves Program

Tufts University, Medford, MA

Senior Honors Thesis research, May 2014 – May 2015

Investigated the social-ecological status of Q’eqchi’ Mayan cornfields in eastern Guatemala, identified agroecological practices that benefit and detract from perceived status through 60 semi-structured interviews in 11 villages, compared environmental factors from interviews to corn seed protein and amino acid analyses to find correlations between cornfield management practices and crop quality indicators

Universidad Austral de Chile, Valdivia, Chile

Independent research project, Oct 2013 – Jan 2014

Interviewed indigenous Mapuche farmers about motivations for seed-saving and formalized seed exchanges, successfully completed IRB approval process

Tufts University and Arnold Arboretum (Harvard U.), Greater Boston Area, MA

NSF REU summer research, May – Sept 2012

Research topics: precipitation and herbivore effects on secondary metabolite chemistry of tea (*Camellia sinensis*) & management of water and temperature stress in a green roof environment

with a nurse plant system and its effects on kitchen herb quality.
Published papers on both topics in peer-reviewed journals

Teaching & Mentoring Experience

Institute for Environmental Studies, Vrije Universiteit Amsterdam (Amsterdam, the Netherlands)

Masters Thesis Supervisor, Environmental Resource Management program, Jan-Aug 2022

Amsterdam University College (Amsterdam, the Netherlands)

Guest Lecturer, *Introduction to Environmental Studies*, Mar 2022

Centro de Estudos e Promoção da Agricultura de Grupo (CEPAGRO) (Florianópolis, SC, Brazil)

Field team manager, Aug 2018 – present

Hire, coordinate, and manage team of five biologists and agronomists to conduct ecological fieldwork, lab work, and farmer extension in rural Brazil, lead collaborative project between University of Michigan, Federal University of Santa Catarina (UFSC) in Brazil, and CEPAGRO

COMPASS Mentors Program, School for Environment and Sustainability, University of Michigan (Ann Arbor, MI)

Graduate Student Mentor, Fall 2020

Mentored two incoming master’s students, providing peer support for the transition to graduate school

Doris Duke Conservation Scholars Program (DDCSP), University of Michigan (Ann Arbor)

Research Mentor, June 2017 – August 2019

Over three summers, trained four undergraduate women from underrepresented backgrounds in field and laboratory methods relevant to careers in the environmental sciences

Undergraduate Research Opportunity Program (UROP), University of Michigan (Ann Arbor, MI)

Research Mentor, Sept 2017 – May 2018

Trained and guided first-year engineering student interested in agroecology research as a future career path, taught skills in experimental design, field sampling and processing, wet lab chemistry, data analysis and statistics, and interpretation and presentation of results

Missouri Scholars Academy, University of Missouri – Columbia (Columbia, MO)

Co-instructor, Personal and Social Dynamics Program, June 2015

Led daily discussion session for 14- to 16-year-old gifted students in three week summer program, taught soft skills and techniques for mental and emotional wellbeing

Tufts Wilderness Orientation (North Woodstock, NH)

Trip Leader and Support Staff, Aug 2012 and Aug 2014

Provided support system for entering freshman at Tufts through outdoor social and technical skill-building activities, practiced “Leave No Trace” principles while leading a 10-person, 5-day backpacking trip, maintained multi-year connections between participants with weekly dinners in a mentorship role

Field Experience

Brazil: 2017-2020 (dissertation field research)

United States (Michigan): 2017-2018 (dissertation pilot experiment)

Colombia: July-August 2016 (international agroecology field course)

Guatemala: June-July 2014 (senior honors thesis research)

Chile: July 2013-January 2014 (independent research project during study abroad)

Invited Presentations & Workshops

Stratton, AE. 2022. *Agroecological transitions: Toward sustainable diets from diversified agriculture*. Women in Agroecology Around the World Speaker Series. Department of Nutrition and Food Studies, Syracuse University, Syracuse, NY, USA, Mar. 10.

Stratton, AE, and Blesh, J. 2021. *Against the odds: Farmer-led transitions to agroecology in the midwestern US and southern Brazil*. Hoch Cunningham Environmental Lecture, Tufts University, Medford, MA, USA, Nov. 4. [Online]

Stratton, AE. 2021. *Science Sharing Session on Agroecology and Nutrition*. Food Systems and Global Change Research Team, Commonwealth Scientific and Industrial Research Organisation (CSIRO), Brisbane, QLD, Australia, Feb. 2. [Online]

Stratton, AE. 2020. *Manejo ecológico del suelo con abonos verdes*. International Webinar: Manejo Sustentable del Recurso Suelo, Escuela Superior Politécnica de Chimborazo (ESPOCH), Riobamba, Ecuador, Dec. 18. [Online]

Filipini, L, Lucas, R, and **Stratton, AE.** 2020. Workshop series for Brazilian farmers on cover crop management, species selection, and seed production. Centro de Estudos e Promoção da Agricultura de Grupo (CEPAGRO), Santa Catarina, Brazil. June-Dec. [Online]

Stratton, AE. 2020. *Shifts in Farmers' Perceptions and Management of Crop Diversity at Different Stages of Agroecological Transition*. Michigan University-Wide Sustainability and Environment (MUSE) Initiative workshop, University of Michigan, Ann Arbor, MI, Feb. 28.

Blesh, J, Wittman, H, Valencia, V, and **Stratton, AE.** 2019. Social-ecological linkages between policies, ecosystem functions, and food security in Brazilian agroecosystems. *Symposium—Agroecology with Communities: Cross-Disciplinary Collaborations Between Ecology, Agriculture, and Social Science*. Ecological Society of America Annual Meeting, Louisville, KY, Aug. 13.

Stratton, AE. 2019. *Manejo de diversidade funcional em gradientes ambientais*. Nucleus for Extension, Education and Research on Agroecology (NEPEA), Center of Agrarian Sciences, Federal University of Santa Catarina (UFSC), Florianópolis, Brazil, June 6.

Stratton, AE. 2019. *Adução Verde*. Cover crop management workshop for farmers. Rede Ecológica de Agroecologia. Regional Meeting, Biguaçu, Santa Catarina, Brazil, Aug. 25.

Stratton, AE. 2019. *A diet for planetary health: wishful thinking or necessity?* MUSE Initiative workshop, University of Michigan, Ann Arbor, MI, Feb. 5.

Stratton, AE. 2018. *Opportunities for agroecological management in fruit and vegetable systems*. Workshop: Investigating Global Fruit and Vegetable Food Systems to Help Bring Sustainable Nutrition Security. Aspen Global Change Institute, Keystone Policy Center, Keystone, CO, July 31.

Stratton, AE. 2017. *Investigating potential impacts of agroecological practices on soil fertility and crop nutritional quality in Santa Catarina, Brazil*. Center of Agrarian Sciences, Federal University of Santa Catarina (UFSC), Florianópolis, Brazil, May 25.

Stratton, AE, and Kramer, D. 2016. *Adaptive Management of the Agroforestry Program: EcoLogic's Process in 2016*. MIT D-Lab Earth, Cambridge, MA, March 29.

Stratton, AE. 2015. *Vital Signs in the Q'eqchi' Maya Milpa*. Paper presentation. Tufts' Spring Student Anthropology Symposium, Somerville, MA, April 10.

Stratton, AE, and Powell, D. 2014. *"Jwal sulul li'be!" Exploring the Muddy Path of Conservation and Development in Central America*. Tufts Environmental Studies Lunch and Learn Program, Somerville, MA, December 4.

Conference Presentations

Stratton, AE, and Blesh, J. 2021. *Cover cropping and intercropping increase crop nutrient content and nutrient yield in vegetable agroecosystems*. Oral presentation. 2nd International Agrobiodiversity Congress, Rome, Italy, Nov. 15-18. [Online]

Stratton, AE, Comin, JJ, Siddique, I, Filipini, LD, Lucas, R, and Blesh, J. 2021. *Agroecosystem diversification increases soil nitrogen availability and vegetable yields across a soil fertility gradient in southern Brazil*. Oral presentation. Ecological Society of America Annual Meeting, Long Beach, CA, Aug.

2-6. [Online due to COVID]

Stratton, AE, Wittman, H, and Blesh, J. 2021. *Diversification supports farm profitability and improved working conditions during agroecological transitions*. Oral presentation. American Association of Geographers Annual Meeting, Seattle, WA, Apr. 7-11. [Online due to COVID]

Stratton, AE, Kuhl, L, and Blesh, J. 2020. *Identifying synergies between ecological and nutritional resilience of smallholder agroecosystems*. Poster presentation. 4th International Conference on Global Food Security, Montpellier, France, Dec. 6-9. [Online due to COVID]

Stratton, AE, Wittman, H, and Blesh, J. 2020. *Shifts in farmers' perceptions and management of crop diversity at different stages of agroecological transition in southern Brazil*. Oral presentation. Cultivating Connections: Exploring Entry Points in Sustainable Food Systems, Agriculture, Food and Human Values Society Annual Meeting, Athens, GA, May 27-30. [Abstract accepted; conference cancelled due to COVID]

Stratton, AE, Finley, J, Gustafson, D, Mitcham, E, Myers, S, Naylor, R, Otten, J, and Palm, C. 2020. *Sustainability trade-offs as global fruit and vegetable systems expand to meet dietary recommendations*. Oral presentation. Michigan University-Wide Sustainability and Environment (MUSE) Conference, Ann Arbor, MI, Feb. 21.

Stratton, AE, and Blesh, J. 2019. *Transitions to agroecological management: effects of increased functional diversity vary along environmental gradients*. Oral presentation. Ecological Society of America Annual Meeting, Louisville, KY, Aug. 11-16.

Stratton, AE, and Blesh, J. 2019. *Transitions to sustainable farm management: impacts of crop diversification across environmental gradients*. Oral presentation. Michigan University-Wide Sustainability and Environment (MUSE) Conference, Ann Arbor, MI, February 22.

Stratton, AE, and Blesh, J. 2018. *O Manejo da Diversidade Funcional nos Agroecossistemas: Efeitos na Fertilidade do Solo e a Produtividade e Qualidade Nutricional dos Cultivos*. Oral presentation in Portuguese. VII Congreso de la Sociedad Científica Latinoamericana de Agroecología (SOCLA), Guayaquil, Ecuador, Oct. 2-5.

Stratton, AE, Kuhl, L, and Blesh, J. 2017. *Proposing integrated ecological and nutritional indicators for agroecosystem resilience*. Poster presentation. Ecological Society of America Annual Meeting, Portland, OR, Aug. 6-11.

Stratton, AE, Kuhl, L, and Orians, CM. 2015. *Relating smallholder management of agroecosystem biodiversity to maize (Zea mays) nutritional quality in Sarstún, Guatemala*. Poster presentation. Ecological Society of America Centennial Meeting, Baltimore, MD, Aug. 9-14.

Stratton, AE. 2014. *Reviving Trafkintü: Motivations for Mapuche Seed Exchange*. Paper presentation. Tufts' Spring Student Anthropology Symposium, Somerville, MA, Mar. 28.

Community Service

Community Outreach Chair, SEAS Doctoral Organizing Committee (DOC), (organize doctoral student volunteers to participate in monthly service activities), School for Environment and Sustainability, University of Michigan, 2020-2021

Workshop Co-Coordinator, Michigan University-Wide Sustainability and Environment (MUSE) Initiative, (organize bi-weekly workshops bringing together emerging sustainability scholars university-wide to discuss emerging topics and apply them to their own research), University of Michigan, 2020-2021 [Member: 2016-present]

Environmental Justice Team Leader, Camp Kahani, (coordinated team of young professionals to design environmental justice-themed curriculum for a week-long virtual summer camp about self-expression, for girls aged 8-12), San Francisco, CA, 2020

Social Chair, SEAS Doctoral Organizing Committee (DOC), (organized social events to build community cohesion among doctoral students and professors), School for Environment

	<p>and Sustainability, University of Michigan, 2017-2018</p> <p>Urban Agriculture Ambassador, (urban agriculture training and community service program sponsored by the Mayor's Urban Ag Initiative), City of Somerville, MA, 2016</p>
Academic Service	<p>Reviewer, peer-reviewed journals: <i>Frontiers in Sustainable Food Systems, Agriculture and Human Values, Biotropica, Agroecology and Sustainable Food Systems, PLOS Climate, Agronomy for Sustainable Development</i></p> <p>Student Member, Promotion and Tenure Committee, School for Environment and Sustainability, University of Michigan, 2020-2021.</p> <p>Conference session co-organizer (with J. Blesh and V. Valencia): "Resilience, Food, and Agriculture: Social-Ecological Frameworks for Sustainability and Social Justice," Association of American Geographers Annual Meeting, Boston, MA, April 5-9, 2017.</p>
Professional Memberships	<p>European Association for Landscape Ecology - IALE-Europe European Society for Agronomy Ecological Society of America Global Land Programme Agriculture, Food & Human Values Society Agriculture, Nutrition & Health Academy American Association of Geographers Sociedad Científica Latinoamericana de Agroecología</p>
Media and Interviews	<p>2021 - Interview, News Feature in <i>Nature</i> by Gayathri Vaidyanathan. "What humanity should eat to stay healthy and save the planet."</p> <p>2021 - Webinar for Rede Ecovida, Centro de Estudos e Promoção da Agricultura de Grupo (CEPAGRO) (Florianopolis, Brazil). "Práticas agroecológicas para um solo saudável." Oct. 2021. https://www.youtube.com/watch?v=QiSISSptyRU&t=132s</p> <p>2021 - Interview, Keynotes Podcast: Stories of Collective Impact, Keystone Policy Center (Keystone, CO). "There's No Free Lunch."</p>
Languages & Skills	<p>Native English Fluent Spanish Fluent Portuguese Basic French</p> <p>Data analysis & visualization: Proficient data management, coding, statistical analyses in R computing environment; NVivo and Dedoose text coding software; QGIS mapping software for spatial analysis; Adobe Illustrator.</p> <p>Field & laboratory methods: Experienced in botanical collections; plant specimen processing and laboratory analysis (chemical ecology, biogeochemistry); farmer survey and interview design and implementation.</p>

- Certifications** | **ICPSR Summer Program in Quantitative Methods of Social Research Certificate** in (1) Advanced Multivariate Statistical Methods, (2) Intro to R Statistical Computing Environment, Institute for Social Research, University of Michigan, July 2018
- International Course in Agroecology and Ecological Restoration: Sustainable Agricultural Landscapes with Resilience** (*Curso Internacional de Agroecología y Restauración Ecológica: Agropaisajes Sostenibles con Resiliencia*), Modules I and II, CIPAV/SOCLA/ELTI (Yale School of Forestry & Environmental Studies), Colombia, July 2016
- ACTFL Advanced Mid Spanish Language Rating**, Chile, Jan. 2014
- DELE Spanish Language Certification - Level C1**, Instituto Cervantes, Chile, Jan. 2014