

Curriculum Vitae

PERSONAL INFORMATION

Name Kevin Li
Place of Birth Margate, Florida, USA
Nationality USA
Civil Status Married
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Address University of Göttingen, Dept. Crop Sciences, Agroecology, Room 3.110, Grisebachstr. 6, 37077 Göttingen, Germany

EDUCATION

- 2017-2019 **University of Göttingen, Department of Crop Sciences, Agroecology**
Doctoral Student
Thesis topic: Pollination function and service in a rainforest transformation landscape in Sumatra, Indonesia
- Advisors: Prof. Dr. Teja Tscharntke, Dr. Ingo Grass, and Prof. Dr. Kerstin Wiegand
- 2010-2015 **University of Michigan, School of Natural Resources & the Environment**
Master of Science in Natural Resources and Environment, Conservation Ecology
Master of Landscape Architecture
Certificate of Graduate Studies in Spatial Analysis
Doris Duke Conservation Fellow
Master's Thesis: Endogenous and Exogenous Spatial Dynamics of the Keystone Ant *Azteca Sericeasur* in an Intensifying Coffee Agroecosystem
- Committee members: Prof. Ivette Perfecto and Prof. John Vandermeer
- 2004-2008 **University of North Carolina at Chapel Hill (UNC-CH)**
Bachelor of Science, Biology
Minors: Sustainability, Chinese
- Carolina Scholars Fellow
 - Honors Program
 - Graduated with Distinction
 - Dean's List

AWARDS AND FELLOWSHIPS

- 2015 UM Rackham and SNRE Conference Travel Awards, \$1000
2015 Charles Lathrop Pack Foundation Award for Best MS Essay, \$500
2015 American Society of Landscape Architects Certificate of Merit, MI Chapter
2014 Jeffrey Lund Forest Ecology Award, \$500
2013 UM Rackham Conference Travel Award, \$700
2013 NASA-MSU Professional Enhancement Travel Award, \$700
2013 Improving MI Access to Geog. Information Networks Paper Competition Finalist
2013 William D. Drake Prize, \$500
2012 UM Rackham Thesis Research Award, \$1,800
2012 UM SNRE Thesis Research Award, \$1,000
2011 Doris Duke Conservation Fellowship, \$30,000
2011 SNRE Departmental Fellowship, \$10,000
2011 UM Rackham International Conference Travel Award (Beijing), \$2,100
2010 Clarence and Ruth Roy Bequest Award, \$15,000
2008 UNC-CH William D. Weir Fellowship in Asian Studies, \$15,000
2004-2008 UNC-CH Carolina Scholars Program, \$7,500 annually
2004-2008 Robert C. Byrd Scholarship, \$1,000 annually

PUBLICATIONS

- Bradham, K. D., C. M. Nelson, J. Kelly, A. Pomales, K. Scruton, T. Dignam, J. C. Misenheimer, **K. Li**, D. R. Obenour, and D. J. Thomas. 2017. Relationship Between Total and Bioaccessible Lead on Children's Blood Lead Levels in Urban Residential Philadelphia Soils. *Environmental Science & Technology* 51:10005–10011.
- Li, K.**, Y. He, S. K. Campbell, A. S. Colborn, E. L. Jackson, A. Martin, I. V. Monagan, T. Ong, I. Perfecto. From endogenous to exogenous pattern formation: Invasive plant species changes the spatial distribution of a native ant. *Global Change Biology*, 2017; 1-12.
- Li, K.**, J. Vandermeer, I. Perfecto. (2016). Disentangling endogenous versus exogenous pattern formation in spatial ecology: a case study of the ant *Azteca sericeasur* in southern Mexico. *Royal Society Open Science*, 3(5), 160073.
- Belasen, A., E. Burkett, A. Injaian, **K. Li**, D. Allen, I. Perfecto. (2013). Effect of Sub-Canopy on Habitat Selection in the Blue-spotted Salamander (*Ambystoma laterale-jeffersonianum* unisexual complex). *Copeia*, 2013(2), 254-261.
- Sheldon, J. W., G. Reed, A. C. Burnett, **K. Li**, R. L. Crabtree. (2009). Coyote, *Canis latrans*, Predation on a Bison, *Bison bison*, Calf in Yellowstone National Park. *The Canadian Field-Naturalist*, 123(3), 260-261.

PAPERS IN PREPARATION, REVIEW, OR REVISION

- Saintes, B., **K. Li**, I. Grass, T. Tscharrtkke. Review of Oil Palm Pollination. *In preparation*.
- Nelson, C., **K. Li**, D. Obenour, J. Misenheimer, K. Scheckel, A. Betts, A. Juhasz, D. Thomas, K. Bradham. Relating Soil Geochemical Properties to Arsenic Bioaccessibility Through Hierarchical Modeling. *In review*.
- Ong, T., **K. Li**, A. Lucatero, D. Pak, L. Hawkes, M. C. Hunter, J. Vandermeer. Taylor made landscapes: scaling between metapopulations and source-sinks in urban space. *In review*.

ORAL AND POSTER PRESENTATIONS AT CONFERENCES

- 2016 **Li, K.**, B. Otero Jimenez. Mice in a maze of coffee: How agricultural management and landscape affects the genetic structure of a forest rodent. Poster presented at the International Association of Landscape Ecology (IALE) US annual symposium.
- 2015 **Li, K.**, I. Perfecto, J. Vandermeer. Evidence of endogenous processes in the spatial patterns of an arboreal ant in an intensifying agroecosystem. Oral presentation at the 100th Annual Meeting of the Ecological Society of America.
- 2013 **Li, K.**, I. Perfecto, J. Vandermeer. Protecting coffee: Exploring endogenous and exogenous factors behind spatial patterns of biological control processes in an agroecosystem. Poster presented at the 98th Annual Meeting of the Ecological Society of America.
- 2013 **Li, K.**, I. Perfecto, J. Vandermeer. Arboreal ant response to an agroecological gradient of intensification. Poster presented at IALE 2013 US annual symposium.
- 2011 **Li, K.**, H. Wu, S. Chen. Migration of flying fox to recovering Pacific island forest ecosystems. Poster presented at the 5th Annual World Congress of the IALE.

WORK EXPERIENCE

- Aug. 2015-present **NC State University**, *Post-graduate Researcher* (Raleigh, NC)
- Modeling the effects of environmental stressors on fish presence in Pacific coast estuaries in project with US National Oceanic and Administrative Association
 - Modeling lead and arsenic bioaccessibility in soils in collaboration with US Environmental Protection Agency
- Aug. 2016-present **Cornell University**, *GIS Consultant* (Ithaca, NY)
- Using GIS to map floral resources in an agricultural landscape to model wild pollinator diversity and pollination ecosystem services
- 2011-2012, **Matthaei Botanical Gardens**, *GIS Technician* (Ann Arbor, MI)
- Summer 2015
- Used GPS and GIS to assess habitat quality and evaluate invasive species management for threatened species conservation and habitat restoration projects
 - Developed smartphone app projects to support management and sharing of Natural Areas GIS data

- Summer 2014 **Cooperative Institute for Limnology & Ecosystems Research, Res. Intern** (Ann Arbor)
- Conducted multidimensional scaling analysis of Lake Michigan plankton biodiversity and presented results in symposium
- 2012-2013 **Nichols Arboretum, Arboretum Caretaker** (Ann Arbor)
- Performed grounds maintenance and led ecological restoration workdays of 9-25 participants to remove invasive plants and perform habitat restoration activities
- Summer 2011 **Yellowstone Ecological Research Center, Research Intern** (Bozeman, MT)
- Developed research project on snowfall changes and ecosystem impacts in the Northwest US that compared snowfall changes in the region by topographical, ecological, and conservation categories
- Fall 2010 **Graham Sustainability Institute, Student Researcher** (Ann Arbor)
- Contributed literature research on biodiversity and stormwater management for sustainability planning recommendations in a Campus Integrated Assessment, presented to University regents and president
- 2009-2010 **Taiwan Forestry Bureau, Research Field Assistant** (Taipei, Taiwan)
- Radio-tracked and mapped Formosan flying fox roosts in behavioral study on Turtle Island, Taiwan
 - Developed research protocol and wrote manual for continuing assistants
- Summer 2009 **Yellowstone Ecological Research Center, Field Technician** (Cook City, MT)
- Conducted radio-tracking of coyotes and contributed over 200 observation hours to 20-year study on coyote ecology in response to fire disturbance and wolf reintroduction
 - Hosted activities for two urban youth outreach programs including Project Exploration (Chicago)
- Fall 2008 **Institute for the Environment, Student Researcher** (Chapel Hill, NC)
- Conducted life cycle analysis on two types of frozen food packaging for a manufacturing company and presented environmental impact and carbon footprint findings in a public seminar (sustainability capstone group project)
- Summer 2007 **Taipei Zoo Conservation Research Center, Field Technician** (Taipei, Taiwan)
- Mapped and assessed roosts of Taiwanese tube-nosed bats and horseshoe bats, developed data collection protocol
- 2007 **UNC Biology Dept., Undergraduate Research Assistant** (Chapel Hill)
- Conducted phonotaxis behavioral observation experiments for neurobiology study on frog mate choice
 - Conducted PCR and electrophoresis to identify enzyme expression in frog behavior study

TEACHING

- Fall 2013, Winter 2015 **ENVR 309: Explorations in GIS** (Dr. J. Breck)
- Fall 2014 **NRE 509: Ecological Systems: Concepts & Applications** (Dr. S. Schueller)
- Winter 2013, 2014 **NRE 531: Principles of GIS** (Drs. A. Burnicki & D. Brown)

SERVICE

- Apr. 2013 & 2015 **Bioblitz Biodiversity Survey, Organizer and Volunteer** (Detroit, MI)
- Mar. 2015 **Teach-in +50: End the War Against the Planet, Organizer** (Ann Arbor)
- 2015 **Landscape Arch. Faculty Search Committee, Student Representative** (UM SNRE)
- Summer 2010 **Beijing Green Cross, Volunteer Intern** (Beijing, China)
- Summer 2008 **Friends of Nature, Intern** (Beijing)
- 2005-2008 **UNC-CH Carolina Navigators Program, Trained Presenter** (Chapel Hill)

LANGUAGES

- English Native speaker
- Mandarin Chinese Heritage speaker, intermediate reading and writing
- French Intermediate speaking/reading/writing
- Spanish Beginner speaking/reading/writing