

# JACOB C. BRENNER

DEPARTMENT OF ENVIRONMENTAL STUDIES AND SCIENCES

ITHACA COLLEGE

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JBRENNER@ITHACA.EDU

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## **EDUCATION**

### **Ph.D. in Geography**

Clark University (2009)

### **M.A. in Geography**

Clark University (2007)

### **B.A. *summa cum laude* in Biology and Spanish**

Lawrence University (2000)

## **POSITIONS**

### **Associate Professor (2016-)**

Department of Environmental Studies and Sciences  
Ithaca College

### **A. Lindsay O'Connor Associate Professor (Fall 2018)**

Department of Geography  
Colgate University

### **Assistant Professor (2010-2016)**

Department of Environmental Studies and Sciences  
Ithaca College

### **Visiting Assistant Professor (2009-2010)**

Department of Geography  
Colgate University

### **Visiting Instructor (2008-2009)**

Department of Geography  
Colgate University

### **Visiting Scholar (2007-2008)**

Arizona Remote Sensing Center and Office of Arid Lands Studies  
University of Arizona

### **Research Assistant (2005)**

Human-Environment Regional Observatory and Department of Geography  
Clark University

### **Teaching Assistant (2004)**

Department of Geography  
Clark University

**Teaching Assistant (2001-2003)**

Biosphere 2 Center  
Columbia University

**Instructor (Summer 2002)**

Biosphere 2 Center  
Columbia University

**AWARDS & HONORS**

Dean's Merit Award (2018-2019)

Level II Departmental Merit Award (2012-2013, 2014-2015, 2018-2019)

Ithaca College Faculty Excellence Award (2017)

Awarded for exemplary teaching, scholarship, and service

Dean's Merit Award (2015-2016)

Awarded for extraordinary service in managing Ithaca College Natural Lands

Ithaca College Office of Residential Life Faculty Appreciation Award (2013)

Awarded in recognition of efforts to increase campus-wide access and safety on Ithaca College Natural Lands

Clark University Graduate School of Geography Scholarship (2004-2008) - \$120,000

Awarded by the Clark University Graduate School of Geography in support of doctoral study and dissertation research

National Security Education Program Scholarships (1999 and 2000) - \$16,000

Awarded in support of two semesters of research and coursework on tropical ecology, sustainability, and conservation in Costa Rica

Morris K. Udall Scholarship in Environmental Public Policy (1999) - \$5,000

Awarded in support of research and coursework in Costa Rica

*Phi Beta Kappa* – Lawrence University Chapter (1999)

Peerenboorn Memorial Prize in Semantics, Lawrence University (1999) - \$250

Awarded for outstanding application of Spanish-language scholarship to field research in Latin America

Lawrence University Trustee Scholarship (1996-2000) - \$48,000

Awarded in support of four years of undergraduate liberal arts study

**RESEARCH / SCHOLARSHIP**

**Peer-Reviewed Publications**

(student collaborators underlined)

- Plecki, A. F., K. Akamani, J. W. Groninger, **J. C. Brenner**, and K. L. Gage. (2021) "Homeowner Perceptions and Responses to Buffelgrass Invasion Risk in the Tucson, Arizona Wildland-Urban Interface." *Heliyon* 7 (5): e07040. <https://doi.org/10.1016/j.heliyon.2021.e07040>.
- Mudaliar, P., M. McElroy, and **J. C. Brenner**. (2021) "The Futility and Fatality of Incremental Action: Motivations and Barriers among Undergraduates for Environmental Action That Matters." *Journal of Environmental Studies and Sciences*. <https://doi.org/10.1007/s13412-021-00705-1>.
- Butsic, V., J. K. Carah, M. Baumann, C. Stephens, and **J. C. Brenner**. (2018) "The Emergence of Cannabis Agriculture Frontiers as Environmental Threats." *Environmental Research Letters* 13 (12): 124017.
- Drescher, M., and **J. C. Brenner**. (2018) "The Practice and Promise of Private Land Conservation." *Ecology and Society* 23(2). [online: <https://doi.org/10.5751/ES-10020-230203>.]
- Brenner, J. C.**, J. G. Hamilton, A. Stork, J. Jordan, and T. Drake. (2018) "Addressing Estrangement from Nature with a Night Class in the Forest." *Case Studies in the Environment*. [online: electronic ISSN 2473-9510, DOI: <https://doi.org/10.1525/cse.2017.000588>.]
- Brenner, J. C.**, and K. A. Franklin. (2017) "Living on the Edge: Emerging Environmental Hazards on the Peri-Urban Fringe." *Environment: Science and Policy for Sustainable Development* 59(6): 16-29.
- Wang, I., **J. C. Brenner**, and V. Butsic. (2017) "An Emerging Agricultural Crop Threatens Deforestation and Fragmentation." *Frontiers in Ecology and the Environment* [online: <http://onlinelibrary.wiley.com/doi/10.1002/fee.1634/abstract>]
- Butsic, V., B. Schwab, M. Baumann, and **J. C. Brenner**. (2017) "Inside the Emerald Triangle: Modeling the Placement and Size of Cannabis Production in Humboldt County, CA USA" *Ecological Economics* 142: 70-80.
- Butsic, V. and **J. C. Brenner**. (2016) Cannabis (*Cannabis sativa* or *C. indica*) Agriculture and the Environment: A Systematic, Spatially-Explicit Survey and Potential Impacts. *Environmental Research Letters* 11(4): 044023.
- Farmer, J. R., **J. C. Brenner**, M. Drescher, S. Dickinson, and E. Knackmuhs. (2016) Perpetual Private Land Conservation: The Case for Outdoor Recreation and Functional Leisure. *Ecology and Society* 21(2): 46 [online: <https://www.ecologyandsociety.org/issues/article.php/8515> ]
- Farmer, J. R., C. Chancellor, **J. C. Brenner**, J. Whitacre, and E. G. Knackmuhs. (2016) To Ease or Not to Ease: Interest in Conservation Easements Among Landowners in Brown County, Indiana." *The Professional Geographer* 68(4): 584-594.
- Heffron, S., **J. C. Brenner**, M. Crocco, C. McClure, D. J. Rutherford, M. Scholz, K. Somdahl-Sands, and K. Sparks. (2013) Improving Geography Education Research across the Different Elements of Geography. *Research in Geographic Education* 15(2): 16-28.
- Brenner, J. C.**, J. G. Hamilton, T. Drake, and J. Jordan. (2013) Building Local Environmental Knowledge in Undergraduates with Experiential Wilderness Skills and Awareness Training:

The Case of Environmental Sentinels. *Journal of Environmental Studies and Sciences* 3(4): 404-415.

**Brenner, J. C., S. Lavallato, M. Cherry, and E. Hileman.** (2013) Land Use Determines Interest in Conservation Easements among Private Landowners. *Land Use Policy* 35: 24-32.

**Brenner, J. C.** and L. L. Kanda. (2013) Buffelgrass (*Pennisetum ciliare*) invades Lands surrounding Cultivated Pastures in Sonora, Mexico. *Invasive Plant Science and Management* 6(1): 187-195.

**Brenner, J. C.** and J. G. Davis. (2012) Transboundary Conservation across Scales: A World-Regional Inventory and a Local Case Study from the United States-Mexico Border. *Journal of the Southwest* 54(3): 499-520.

**Brenner, J. C.,** Z. J. Christman, and J. Rogan. (2012) Segmentation of Landsat Thematic Mapper Imagery Improves Buffelgrass (*Pennisetum ciliare*) Pasture Mapping in the Sonoran Desert of Mexico. *Applied Geography* 34: 569-575.

**Brenner, J. C.** (2011) Pasture Conversion, Private Ranchers, and the Invasive Exotic Buffelgrass (*Pennisetum ciliare*) in Mexico's Sonoran Desert. *Annals of the Association of American Geographers* 101(1): 84-106.

**Brenner, J. C.** (2010) What Drives the Conversion of Native Rangeland to Buffelgrass (*Pennisetum ciliare*) Pasture in Mexico's Sonoran Desert?: The Social Dimensions of a Biological Invasion. *Human Ecology* 38(4): 495-505.

**Schultheis, E. H., K. N. Hopfensperger, and J. C. Brenner.** (2010) Potential Impacts of Climate Change on Sphagnum Bogs of the Southern Appalachian Mountains. *Natural Areas Journal* 30(4): 417-424.

## **Other Publications**

(student collaborators underlined)

**Brenner, J.C.** (2016) What role have international peace parks/transboundary protected areas played in lessening international conflicts?: Overview. Pp. 547-550 in M. T. Burnett (Ed.) *Natural Resource Conflicts: From Blood Diamonds to Rainforest Destruction – Volume 2*. Santa Barbara, CA: ABC-CLIO. [editorially reviewed]

**Brenner, J.C.** (2016) What role have international peace parks/transboundary protected areas played in lessening international conflicts?: Transboundary protected areas – the United States – Mexico case. Pp. 553-556 in M. T. Burnett (Ed.) *Natural Resource Conflicts: From Blood Diamonds to Rainforest Destruction – Volume 2*. Santa Barbara, CA: ABC-CLIO. [editorially reviewed]

Kerrigan, L. and **Brenner, J.C.** (2016) Do diamonds have a negative influence on development in Africa?: Overview. Pp. 236-239 in M. T. Burnett (Ed.) *Natural Resource Conflicts: From Blood Diamonds to Rainforest Destruction – Volume 1*. Santa Barbara, CA: ABC-CLIO. [editorially reviewed]

Kerrigan, L. and **Brenner, J.C.** (2016) Do diamonds have a negative influence on development in Africa?: Diamond mining and violence on the African continent. Pp. 239-242 in M. T.

Burnett (Ed.) *Natural Resource Conflicts: From Blood Diamonds to Rainforest Destruction – Volume 1*. Santa Barbara, CA: ABC-CLIO. [editorially reviewed]

**J. C. Brenner**, with L. Kanda, R. LeCain, and O. Mayer. (2016) Compensatory Wetland Mitigation Monitoring Report – Ithaca College Circle Apartments Project, Ithaca, NY. 8pp. Submitted to the U. S. Army Corps of Engineers, Buffalo, NY.

Grant, C. and **J. C. Brenner**, with L. Kanda, R. LeCain, P. Corsi, and T. Chamberlin. (2015) Compensatory Wetland Mitigation Monitoring Report – Ithaca College Circle Apartments Project, Ithaca, NY. 8pp. Submitted to the U. S. Army Corps of Engineers, Buffalo, NY.

**Brenner, J.C.** (2013) Land Use Past and Present. *RISE Topic Paper*. Retirees in Service to the Environment program. Ithaca College Gerontology Institute. 4pp.

**Brenner, J.C.** (2013) Invasive Species. *RISE Topic Paper*. Retirees in Service to the Environment program. Ithaca College Gerontology Institute. 4pp.

**Brenner, J.C.** (2013) Conservationists Must Think Beyond Borders. *The Ithacan*. Opinion Section. Guest Commentary. March 21, 2013.

**Brenner, J.C.** (2012) Geographical Reviews (book review) - Political Ecologies of Cattle Ranching in Northern Mexico: Private Revolutions, by Eric P. Perramond. *The Geographical Review* 102(2): 259-261.

**Brenner, J. C.** (2009) Structure, Agency, and the Transformation of the Sonoran Desert by Buffelgrass (*Pennisetum ciliare*): An Application of Land Change Science. *Ph. D. Dissertation*, Clark University Graduate School of Geography, Worcester MA.

**Brenner, J. C.** (2004) An Example Worth More than a Thousand Words: Two Latin American Ecovillages. *What If? The Journal of Radical Possibilities* 3: 50-58.

### Conference Participation

(student research advisees and collaborators underlined)

**Brenner, J. C.** and V. Butsic. (2017) Mapping Cannabis Agriculture in the Emerald Triangle. *Poster Session at the Annual Meeting of the Association of American Geographers*, San Francisco, CA.

**Brenner, J. C.** (2016) Geographies of Marijuana Production. *Panel Session at the Annual Meeting of the Association of American Geographers*, San Francisco, CA. (session organizer and chair; 6 panelists)

Butsic, V. and **J. C. Brenner**. (2015) The Expansion of Medical Marijuana in Humboldt County, CA. *9<sup>th</sup> World Congress, International Association of Landscape Ecology*, Portland, OR.

**Brenner, J. C.** (2015) Voluntary Private Land Conservation. *Interactive Short Paper Session at the Annual Meeting of the Association of American Geographers*, Chicago, IL. (session organizer and chair; 10 enrolled presenters)

**Brenner, J. C.** (2015) The Problem of Preserving “Rural Character” on Private Land. *Annual Meeting of the Association of American Geographers*, Chicago, IL.

Farmer, J., Knackmuhs, E., Whitacre, J., Chancellor, C., and **J. C. Brenner**. (2014) Land Residency and Interest in Conservation Easements in Southern Indiana: A Behavioral Approach. *Natural Areas Association Annual Meeting*. Dayton, OH.

- Brenner, J. C., S. Lavallato, E. Hileman, I. Bidwell** (2014) Gaps between Land Conservation Ideals and Practices: Preserving Rural Character by ‘Keeping Danby Danby’ *Presentation at the Ecological Society of America Annual Meeting, Sacramento, CA.* (invited participant)
- Brenner, J. C.** (2013) Reading the Road Map: Advancing the Research Capabilities of Early Career Scholars in Geography Education. *Conference sponsored by the Gilbert M. Grosvenor Center for Geographic Education, the Association of American Geographers, and the National Geographic Society, Washington, DC.* (invited participant)
- Clum, M., G. Ciabattoni, J. C. Brenner, and L. L. Kanda.** (2013) Mapping Japanese Stiltgrass (*Microstegium vivineum*) to Show Progress in Eradication. *Poster presentation at the annual New York State Geographic Information Systems Association Conference, Saratoga Springs, NY.* (invited participant)
- Brenner, J. C., J. G. Hamilton, and L. L. Kanda.** (2013) Teaching Land Management to Undergraduates Using College-Owned Natural Areas: The Case of Ithaca College Natural Lands. *Poster presentation at the Large Landscape Conservation Conference, Waterville, ME.* (Conference theme: “Students as Catalysts for Large Landscape Conservation”)
- Ciabattoni, G., J. C. Brenner, and L. L. Kanda.** (2013) Mapping, Monitoring, and Controlling Invasive Exotic Plants on Ithaca College Natural Lands. *Poster presentation at the Large Landscape Conservation Conference, Waterville, ME.* (Conference theme: “Students as Catalysts for Large Landscape Conservation”)
- Vander Hill, M., A. Zadrozny, and G. Ciabattoni.** (2013) Ithaca College Natural Lands: A Case-Study in Student Leadership in Conservation. *Poster presentation at the Large Landscape Conservation Conference, Waterville, ME.* (Conference theme: “Students as Catalysts for Large Landscape Conservation”)
- Zadrozny, A. and M. Vander Hill.** (2013) Student-Driven Conservation and Land Management at Ithaca College. *Essay submitted for the Student Conservation Innovation Contest at the Large Landscape Conservation Conference, Waterville, ME.* (Conference theme: “Students as Catalysts for Large Landscape Conservation”)
- Lavallato, S.** (2013) Keeping Danby Danby: Land Conservation in a Peri-Urban Fringe Area. *Presentation at the 16<sup>th</sup> Annual Whalen Symposium, Ithaca, NY.*
- Garrison, E.** (2013) Social Determinants of the Unsafe Use of Pesticides in Rural Chile. *Presentation at the 16<sup>th</sup> Annual Whalen Symposium, Ithaca, NY.*
- Brenner, J. C.** (2012) Conservation at the Urban Fringe. *Interactive Short Paper Session at the Annual Meeting of the Association of American Geographers, New York, NY.* (session organizer and chair; 16 enrolled presenters; 3 undergraduate student research advisees)
- Brenner, J. C.** (2012) Landscape as a Framework for Integrating Physical and Social Science Approaches in Human-Environment Interaction Research. *Panel Presentation at the Annual Meeting of the Association of American Geographers, New York, NY.* (invited panelist)
- Lavallato, S. and J. C. Brenner.** (2012) Prospects for Conservation Easements in an Urban Fringe Area: Evidence from Upstate New York. *Presentation at the Annual Meeting of the Association of American Geographers, New York, NY.*
- Siciliano, P.** (2012) Desertification in the Sahel. *Presentation at the 15<sup>th</sup> Annual Whalen Symposium, Ithaca, NY.*

- Brenner, J. C.** (2011) Human-Environment Interactions in the [United States-Mexico] Borderlands. *Panel Presentation at the Annual Meeting of the Association of American Geographers*, Washington, DC. (invited panelist)
- Davis, J. G.** (2011) Challenges of Transboundary Conservation on the US/Mexico Border in the Big Bend/Rio Bravo Area. *Presentation at the National Conference on Undergraduate Research*, Ithaca, NY.
- Goldberg, L. E.** and **L. A. L. Hill.** (2011) The Great Pacific Garbage Patch: A Case of Ineffective Global Environmental Management. *Poster presentation at the National Conference on Undergraduate Research*, Ithaca, NY.
- Konnaris, C.** (2011) Mapping Land Cover for Local-Scale Conservation in the Town of Danby, upstate NY. *Poster presentation at the National Conference on Undergraduate Research*, Ithaca, NY.
- Brenner, J. C., S. Walker,** and A. Olsson. (2010) Vulnerability and Biological Invasion at an Urban-Wildland Interface in Tucson, Arizona. *Presentation at the Global Land Project Open Science Meeting*, Tempe, AZ.
- Christman, Z. J., **J. C. Brenner,** and J. Rogan. (2010) Using Image Segmentation and Ancillary Variables for the Classification of Buffelgrass (*Pennisetum ciliare*) Pasture. *Presentation at the Annual Meeting of the Association of American Geographers*, Washington, DC.
- Brenner, J. C.** (2009). Private Ranchers and Pasture Conversion in Mexico's Sonoran Desert: Roles of Structure, Agency, and Identity. *Presentation at the Annual Meeting of the Association of American Geographers*, Las Vegas, NV.
- Brenner, J. C.** (2008). Structure, Agency, and Pasture Conversion in Northwestern Sonora, Mexico. *Presentation at the Annual Meeting of the Association of American Geographers*, Boston, MA.
- Brenner, J. C.** (2006). Boundaries, Bombs, and Biodiversity: Interactions of Militarism and Violence with the Sonoran Desert in the U.S.-Mexico Border Region. *Presentation at the Annual Meeting of the Association of American Geographers*, Chicago, IL.
- Brenner, J. C.** (2004). Challenges of the Ecovillage as a Sustainability Model: Case Studies in Bolivia and Costa Rica. *Presentation at the Annual Fulbright Student Research Conference*, Lima, Perú.
- Brenner, J. C.** (2000). Branch Attachment and Survival of Fallen Epiphytic Bromeliads in a Montane Rain Forest, Sierra de Talamanca, Costa Rica. *Presentation at the Spring Semi-Annual Associated Colleges of the Midwest Student Research Symposium*, San Pedro, Costa Rica.
- Brenner, J. C., B. Keeler,** and F. White. (1999). The Dúrika Ecovillage: A Sustainable Vision for a New Millennium. *Presentation at the Fall Semi-Annual Associated Colleges of the Midwest Student Research Symposium*, San Pedro, Costa Rica.

## **GRANTS & FELLOWSHIPS**

### **External**

Dominion Energy Charitable Foundation (2018-2019) - \$15,000

Awarded in support of a project to improve trail accessibility on Ithaca College Natural Lands

J. M. McDonald Foundation (2018-2019) - \$15,000

Awarded in support of a project to improve trail accessibility on Ithaca College Natural Lands

National Science Foundation Graduate Research Fellowship (2005-2008) - \$130,000

Awarded in support of dissertation research on anthropogenic threats to conservation reserves in the Sonoran Desert of the United States-Mexico border region

Fulbright Student Grant (2003-2004) - \$13,500

Awarded in support of a 10-month independent project comparing roles of intentional communities in sustainable rural development in Bolivia and Costa Rica

Associated Western Universities Undergraduate Research Fellowship (1999) - \$4,000

Awarded in support of a research assistantship at the Idaho National Environmental and Engineering Laboratory

### **Internal**

Ithaca College School of Humanities and Sciences Summer Scholars Program (2018) - \$4,500

Awarded to support one student's research on adaptive land management on Ithaca College Natural Lands.

Ford Science Research Fund (2016) - \$5,100

Awarded to support one student's summer work on mapping and controlling invasive alien plants on Ithaca College Natural Lands.

Ithaca College Summer Research Grant (2015) - \$3,350

Awarded to support research on landscape impacts of cannabis production in northern California.

Ithaca College School of Humanities and Sciences Summer Scholars Program (2015) - \$4,500

Awarded to support one student's research on local environmental knowledge among fishers in central upstate New York.

Dana Fellowship (2015) - \$3,600

Awarded to support one student's summer work on Ithaca College Natural Lands.

Ford Science Research Fund (2015) - \$5,100

Awarded to support one student's summer work on mapping and controlling invasive alien plants on Ithaca College Natural Lands.

Ithaca College School of Humanities and Sciences Educational Grant Initiative (S14) - \$300

Awarded to support field trips for ENV5 331 – Land Use and Management.

Center for Faculty Research and Development Released Time (S13, S14) - 3 load credits

Awarded to support “Conservation at the Urban Fringe: A Student-Faculty Collaborative Research and Service Program.”

Dana Fellowship (2013) - \$3,600

Awarded to support one student’s summer work on mapping non-timber forest resources on Ithaca College Natural Lands.

Ford Science Research Fund (2013) - \$5,100

Awarded to support one student’s summer work on mapping and controlling invasive alien plants on Ithaca College Natural Lands.

Ithaca College School of Humanities and Sciences Educational Grant Initiative (S13) - \$200

Awarded to support student-participant-professional expert interaction through the Retirees in Service to the Environment program.

Ithaca College School of Humanities and Sciences Educational Grant Initiative (S13) - \$1,200

Awarded to support three students’ attendance at the Large Landscape Conservation Conference in Waterville, ME.

Ford Science Research Fund (2012) - \$5,100

Awarded to support one student’s summer work on the Danby Land Change Project.

Ford Science Research Fund (S12) - \$1,000

Awarded to support three students’ attendance at the Annual Meeting of the Association of American Geographers in New York, NY.

Ithaca College School of Humanities and Sciences Educational Grant Initiative (S12) - \$1,200

Awarded to support three students’ attendance at the Annual Meeting of the Association of American Geographers in New York, NY.

Ford Science Research Fund (2011) - \$5,100

Awarded to support three students’ summer work on the Ithaca College Natural Lands Mapping Initiative and the Danby Land Change Project.

Ithaca College School of Humanities and Sciences Educational Grant Initiative (S11) - \$750

Awarded to support field trips for ENVS 331: Land Use and Landscape Change.

Ithaca College School of Humanities and Sciences Educational Grant Initiative (F10) - \$500

Awarded to support collaborative undergraduate research on land conservation attitudes and practices in exurban Upstate New York.

Pruzer-Holzhauer Graduate Enhancement Fellowship (2007) - \$750

Awarded by the Clark University Graduate School of Geography to support dissertation research.

## **TEACHING**

(Offerings for individual student research, internships, and independent studies appear below.)

## **Courses**

- ENVS 110: The Environmental Crisis
- ENVS 120: Environmental Sentinels
- ENVS 121: Environmental Science and Technology Lab
- ENVS 220: Human-Environment Geography
- ENVS 260: Trees in Environment & Society
- ENVS 322: Environmental Research Methods
- ENVS 331: Topics in Geography and Planning
  - Land Resource Management
  - Water Resource Management
  - Trees and Forests of the World
- ENVS 450: Senior Research
- HNRS 200: Globalization, Environment & You
- HNRS 230: Short Seminar – Not-So-Natural Disasters
- HNRS 400: Senior Seminar in Interdisciplinary Studies
- ICIC 100: Integration – Connecting the Disciplines
- ICSM 105: Ithaca College (First Year) Seminar
  - Globalization, Environment, and You
  - Globalization and You
  - Diversity Amid Globalization
- GCOM 112: Geographies of Environmental Film
- GEOG 111: Global Change: Geographic Perspectives (Colgate University)
- GEOG 325: Water Resources and Society (Colgate University)
- GEOG 326: Environmental Hazards (Colgate University)
- GEOG 410: Senior Seminar (Colgate University)
  - Urban Ecology and Biotic Invasion
  - Trees in Environment & Society

## **Individual Research and Internship Advising**

- ENVS 201/301/402: Environmental Research/Advanced Studies
  - Student Land Stewardship Program (up to 15 students per semester F19-)
  - Nature Trail Mindfulness Exercises (J. Cohen F20)
  - Carbon in ICNL Soils (J. Michaels F20)
  - Adaptive Land Management (L. Pfaff S20)
  - Adaptive Land Management (S. Hillmann F19, S20)
  - Homesteading and Small Farm Business Development (C. Barnes S19)
  - Environment as Common Ground across the Political Spectrum (J. Hsing S18)
  - Student Intern Training Program (5-15 students per semester, F12-F17)
  - Cannabis Agriculture in Northern California (N. Anderson S15, B. Lesser Sum16, A. Fallon F17)
  - Reintroducing American Chestnut on Ithaca College Natural Lands (J. Frey S15, F15; K. Schulz, S16, F16, S17)
  - Spawning of Native Finger Lakes Rainbow Trout on Ithaca College Natural Lands (M. Clum S15; A. Mele S16, F16, S17)
  - South Hill Weed Wackers: A Volunteer Organization to Control Invasive Plants on Ithaca College Natural Lands (J. Williams S16)

- Survey of Breeding Birds on Ithaca College Natural Lands (A. Milutin S15, F15)
- Wildlife Policy and Management on Ithaca College Natural Lands (A. Patterson S14)
- Aging and Environmental Volunteerism (E. Healy S14)
- Spatial Awareness, Sense of Place, and Sitspotting in Environmental Sentinels (K. Greiser F13)
- Mapping Ithaca College Natural Lands Using Geospatial Technologies (T. Hauck F10, I. Bidwell S11, E. Rubenstein S11, K. Gill S11, F11; J. Hatzell S12, A. Zadrozny S13)
- Landowner Associations and Marcellus Shale Gas (J. Wunsch F12)
- Tracking Bobcats and their Prey on Ithaca College Natural Lands (J. Gardephe F12, S. Norton F12)
- Growing Space: A Student-Run Garden and its Role in Campus-Wide Conservation (M. Vander Hill F11)
- Land Conservation Attitudes and Practices in Exurban Upstate New York (E. Hileman F10, C. Mraz S11, S. Lavallato S11, F11)
- GIS for Private Land Conservation Planning in an Urban-Rural Fringe Area (I. Bidwell F11)
- Mapping Land-Cover Change in Exurban Upstate New York Using Satellite Remote Sensing (A. Zadrozny F10, C. Konnaris F10, S11)

#### ENVS 490: Independent Study

- Quantifying Differences in Accessibility on the Ithaca College Campus (I. Hall S15)
- The value of an environmental degree for job placement in Ithaca (B. Tolles F14)
- Transboundary Wilderness Conservation (J. Davis F10, S11)

#### ENVS 495: Internship and other internships

- Limbwalker Tree Care (J. Ludel F19, S20)
- New York State Parks FORCES (G. Broslawski F15, S16; O. Salindong S16, D. Scheir S16, T. Slutzky F16, M. Mathers S18)
- New York City Parks Foundation (M. Koetzner F17)
- Recreation and Leisure Studies – Trail Improvements on Ithaca College Natural Lands (S. Stuart-Sikowitz S17)
- Cornell Plantations (J. Mannka S15)
- Town of Danby (P. Corsi F14)
- Aurora Pocket Co-housing (E. Blaney S14)
- South Side Community Center (A. Currier S14)
- CULTURA Ithaca (A. Currier S14)
- Green Burial Council (E. Taugner S13)
- City of Ithaca Water Treatment Plant (S. McKenna S13)
- Ithaca College Office of Facilities (K. Lew S13)
- Ithaca College Gerontology Institute (M. Vander Hill S13)
- SWIDJIT (L. Goldberg F12, A. Currier F12)
- Cayuga Nature Center (C. Hotchkiss S11)
- Finger Lakes Land Trust (K. Ebbetts S11)

#### ENVS Honors

- Community Water Management Organizations (S. Lenker F19, S20)
- Dynamics of *Scaevola spp.* in Puerto Rico after Hurricane Maria (A. Stalica F19, S20)

### PLST 491: Senior Project

- Designing a Self-Sustaining Mass-Production Farm System for East Africa (L. Pandolfi F13) *Winner of the 2013 annual Business Idea Competition, Ithaca College School of Business.*

### GEOG / PCON 499: Honors Studies in Geography / Peace and Conflict Studies

- Street Tree Stewardship in New York City (R. Sobelsohn F18)
- A Study of Differential Perceptions of Buffelgrass (*Pennisetum ciliare*) in the Sonoran Desert of Tucson, Arizona (S. Walker F10, S11)
- Alternative Food Systems in Rural America: A Case in Central New York (J. Rusciano F09, S10)
- Dark, Dry Shangri-La: Understanding the Kathmandu Valley Water Crisis (S. Frydenlund S10)
- The Human Dimensions of Invasive Earthworm Occupation in Webb, NY (D. Seidl S10)
- Climate Change, Displacement, and the Missing Dimension of State Responsibility (K. Betteridge F09, S10)

### H&S Summer Scholars Program

- Adaptive Land Management on ICNL (S. Hillmann Sum18)
- Qualitative Research into Fish and Fishers in Upstate New York (M. Clum Sum15)

### Invited Lectures and Workshops

“Building Resilience to Environmental Hazards through Experiential Learning” (2018)

Disasters Course – Summer College, Cornell University, Professor R. Morgenstern Brenner.

“Cannabis as an Environmental Object of Concern” (2018)

Annual *Gamma Theta Upsilon* Lecture – Department of Geography, Colgate University.

“Cannabis Agricultural Frontiers: Armchair Remote Sensing for Policy-Relevant Research on the Eve of Legalization” (2018)

Seminar – Department of Natural Resources, Cornell University, Professor S. Allred.

“Cannabis Agriculture and the Environment: A Systematic, Spatially-Explicit Approach” (2016)

GIS Lab Course – Department of Natural Resources, Cornell University, Professor D. Sinton.

“Fire on the Mountain? Coupled-System Vulnerability at an Urban-Wildland Interface in Tucson, Arizona” (2014)

Annual *Gamma Theta Upsilon* Lecture – Department of Geography, Colgate University.

“Grants 101” (2014)

Faculty Development Program – Center for Faculty Excellence, Ithaca College, Director W. Pickren.

“Invasive Alien Species and the Human Role in Ecological Hazards” (2013, 2014)

Retirees in Service to the Environment program – Gerontology Institute, Ithaca College, Director R. Meador.

- “Greening the Landscape with Graying Volunteers” (2014)  
33<sup>rd</sup> Annual Making Brooklyn Bloom conference – GreenBridge Program, Brooklyn Botanic Garden, Coordinator N. Browne. (Co-presented with R. Meador and M. McKean)
- “Challenges and Successes of Integrative Education [in the First Year Residential Experience]” (2013)  
Board of Trustees, Ithaca College, Coordinator B. Solt-Prunty. (Co-presented with B. Solt-Prunty, N. Menning, A. Theobald, M. Lenhart, and C. McNamara)
- “Natural Navigation” (2013)  
Volunteer Stewards Program – Ithaca College Natural Lands, Ithaca College, Coordinator M. McKean.
- “Teaching Outdoors and ‘Hyper-Experiential Learning’” (2013)  
Finger Lakes Project – Partnerships in Sustainability Education, Ithaca College, Coordinator S. Swensen. (Co-presented with J. Hamilton.)
- “Reading the Forested Landscape” (2013)  
Intermediate Honors Seminar – Department of History, Ithaca College, Professor M. Twomey.
- “Teaching Outdoors: Part I, The Outdoor Classroom” (2012)  
Faculty Development Program - Center for Faculty Excellence, Ithaca College, Director W. Pickren.
- “Multi-Objective Forestry” (2012, 2012)  
Volunteer Stewards Program Training - Ithaca College Natural Lands, Ithaca College, Coordinators M. Vander Hill and A. Zadrozny.
- “Using Zotero for Teaching” (2012)  
Faculty Development Program - Center for Faculty Excellence, Ithaca College, Coordinator M. Dispensa.
- “Geographies of Urbanization” (2011)  
Aging course - Gerontology Institute, Ithaca College, Professor M. A. Erickson.
- “Mapping Exotic Pasture Conversion in Mexico’s Sonoran Desert” (2010)  
Environmental Studies Program, Southwestern University.
- “The Case of Rapa Nui: Human-Environment Geography and Socio-Environmental Collapse” (2010)  
Department of Geology and Geography, Georgia Southern University.
- “Haiti’s Most Recent Earthquake in Geographic Perspective” (2009)  
Department of History and Geography, Clemson University.
- “Recognizing, Understanding, and Managing Error in GIScience” (2009)  
Department of Geography, Middlebury College.

- “Water Resources and Global Environmental Change” (2009)  
Lifelong Learning Program lecture series - Upstate Institute, Colgate University, Director E. Kraly.
- “Danger: Environmental Hazards in a Changing World” (2009)  
Lifelong Learning Program lecture series - Upstate Institute, Colgate University, Director E. Kraly.
- “Ecological Invasion as a Form of Global Environmental Change” (2009)  
Lifelong Learning Program lecture series - Upstate Institute, Colgate University, Director E. Kraly.
- “Introducing the Human Dimensions of Global Change” (2009)  
Lifelong Learning Program lecture series - Upstate Institute, Colgate University, Director E. Kraly.
- “Exploring Human Agency and Explaining Land-Use Change in the U.S.-Mexico Borderlands” (2009)  
Division of Social Sciences Brown-Bag lecture series - Colgate University, Director R. Turner.
- “The Concept of Vulnerability in Geography” (2009)  
Social Science Perspectives on Environmental Issues course - Environmental Studies Program, Colgate University, Professor A. Baptiste.
- “Grazing, Razing, and Invasion in the Sonoran Desert: The Case of Pasture Conversion” (2009)  
ENST Brown-Bag lecture series - Environmental Studies Program, Colgate University, Director R. Turner.
- “Grappling with Global Environmental Change” (2009)  
High School Science Affiliates Workshop - Colgate University, Director R. April.
- “Human-Environment Interactions Driving Buffelgrass Invasion in the Sonoran Desert” (2008)  
Desert Ecology course - Department of Biology, State University of New York Fredonia, Professor J. Titus
- “Buffelgrass: Agent of Landscape Change in the Sonoran Desert” (2006)  
Landscape Ecology course - Department of Geography, Clark University, Professor J. Rogan.
- “An Ecological Introduction to the Sonoran Desert” (2002)  
Ecological Systems course - Earth Semester program, Columbia University, Professor J. Titus.
- “The Dúrika Foundation, a Model of Sustainability for Latin America in the New Millennium?” (2001, 2001)  
Planetary Management course - Earth Semester program, Columbia University, Professor T. Burgess.

“Tropical Forest Ecology and Biodiversity” (1998)

Biodiversity course - Department of Biology, Lawrence University, Professor N. Maravolo.

## **Academic Advising**

Spring 2021 – 22 undergraduates  
Fall 2020 – 19 undergraduates  
Spring 2020 – 28 undergraduates  
Fall 2019 – 28 undergraduates  
Spring 2019 – 41 undergraduates  
Fall 2018 – Sabbatical leave  
Spring 2018 – 25 undergraduates  
Fall 2017 – 25 undergraduates  
Spring 2017 – 25 undergraduates  
Fall 2016 – 26 undergraduates  
Spring 2016 – 31 undergraduates  
Fall 2015 – 31 undergraduates  
Spring 2015 – 27 undergraduates  
Fall 2014 – 18 undergraduates  
Spring 2014 – 27 undergraduates  
Fall 2013 – 25 undergraduates  
Spring 2013 – 27 undergraduates  
Fall 2012 – 27 undergraduates  
Spring 2012 – 19 undergraduates  
Fall 2011 – 19 undergraduates  
Spring 2011 – 12 undergraduates  
Fall 2010 – 8 undergraduates

## **SERVICE**

### **To the Department**

ENVS Department Chair (2021-)  
ENVS operations subcommittee (member 2010-2013, 2018-)  
ENVS personnel subcommittee (member 2016-)  
ENVS curriculum subcommittee (chair 2012, 2018, 2019; member 2011-)  
ENVS programmatic assessment coordinator (2012-2021)  
ENVS liaison to Information Technology Services (2011-2014; 2016-2017)  
ENVS liaison to the Office of Facilities (2012)

### **To the School**

Affiliated Faculty for the Latin American Studies program (2010-)  
International Sustainable Development Master’s degree proposal committee (member 2010-2012)

### **To the College**

Ithaca College Natural Lands Faculty Manager (2012-)

Ithaca College Natural Lands Committee (member 2010-, co-chair 2012-)  
Sustainably Conscious Residential Learning Community (Faculty Associate, 2013-2015, 2016-2017)  
Center for Faculty Excellence faculty development programs (participant 2010-2016)  
Instructional Development Fund Review Committee (member 2011-2016)  
Safety Awareness Committee (member 2014-2016)  
Faculty Service-Learning Institute (participant 2015)  
First Year Residential Experience (Senior Faculty Associate, World of Systems Theme, 2014-2015)  
First Year Residential Experience (Faculty Associate, Quest for a Sustainable Future Theme, 2013-2015)  
Honors Program Steering Committee (member 2012-2015)  
Primitive Skills Club (faculty sponsor 2011-2013)  
IC Ride (faculty sponsor 2011-2012)  
Teaching Outside the Box forum (participant 2010-2011)  
IC 20/20 Task Force #5 on Residential Learning Models (member 2010-2011)  
First Year Reading Initiative (facilitator 2010)

### **To the Discipline**

*Land* (invited Special Issue Guest Editor 2020, 2021 - declined due to administrative obligations)  
*Land* (invited Reviewer Board member 2020)  
*Environmental Management* (manuscript reviewer 2019, 2019, 2020, 2020, 2020)  
Southern Illinois University (Master's Degree external committee member, 2017-2019)  
*AMBIO: Journal of the Human Environment* (manuscript reviewer 2019, 2019)  
Furman University Department of Biology (tenure file external scholarship reviewer 2017)  
*Ecology & Society* (manuscript reviewer 2016, Special Feature co-editor, 2015-2017)  
National Science Foundation (invited Senior Advisory Panelist for Geography and Spatial Sciences Program 2016 - declined due to teaching obligations)  
Rowman & Littlefield Publishers (book prospectus reviewer 2016)  
*Society & Natural Resources* (manuscript reviewer 2016, 2016)  
*Land Degradation and Development* (manuscript reviewer 2016, 2016)  
*Land Use Policy* (manuscript reviewer 2015, 2015, 2016)  
*The Southwestern Geographer* (manuscript reviewer 2014, 2014)  
*Invasive Plant Science and Management* (manuscript reviewer 2011, 2012, 2014)  
*The Professional Geographer* (manuscript reviewer 2013)  
*Environmental Monitoring and Assessment* (manuscript reviewer 2013)  
*Applied Geography* (manuscript reviewer 2012, 2012)  
*Conservation & Society* (manuscript reviewer 2012)  
National Science Foundation (proposal reviewer 2011)  
*Human Ecology: An Interdisciplinary Journal* (manuscript reviewer 2011)  
*Annals of the Association of American Geographers* (manuscript reviewer 2011)  
*Canadian Journal of Remote Sensing* (manuscript reviewer 2010)  
National Conference on Undergraduate Research (abstract reviewer 2010)

### **To the Community**

Ithaca Babe Ruth League (local youth baseball) – elected Board member and Vice President of Cal Ripken, volunteer 13U Travel team manager, head and assistant coach for Cal Ripken Minors and Majors divisions 2016-2020

Ithaca Youth Bureau (local youth baseball) – volunteer head and assistant coach 2012-2019

Varna Community Association – Geowhiz Geography Competition – consultant and judge 2017; consultant 2018.

Conservation Advisory Council – Town of Danby, NY (member 2010-2014)

Southern Arizona Buffelgrass Summit Core Group (member 2007-2008)

Mapping and Data Management Committee – Pima County / Santa Cruz Basin Cooperative Invasive Species Management Association (member 2006-2008)

## **PROFESSIONAL AFFILIATIONS**

Association of American Geographers (2005-)

Cultural and Political Ecology Specialty Group

Human Dimensions of Global Change Specialty Group

Latin America Specialty Group

Stand-Alone Geographers Affinity Group

Conference of Latin Americanist Geographers (2005-2018)

Ecological Society of America (2014-2016)

National Council for Geographic Education (2014-2015)

## **RELEVANT SKILLS**

Languages: English (native) and Spanish (oral and written)

- Superior Oral Proficiency Certification in Spanish

(American Council on the Teaching of Foreign Languages)

- Interpreting (English-Spanish / Spanish-English)

- Professional medical interpreting (consecutive), Empire Interpreting Service (2010-)

- Ad-hoc interpreting (simultaneous), Pima County Interfaith Council (2007-2008)

- Ad-hoc interpreting (consecutive), Columbia University Earth Semester Program (2001-2003)

- Spanish-language youth tutoring - Department of Spanish, Lawrence University (1996-1999)

Wilderness First Responder Certification - Wilderness Medicine Institute (2002-2004)

Leave No Trace Outdoor Ethics certification (2001)