

Ivette Perfecto
Curriculum Vitae

School of Natural Resources and Environment
The University of Michigan
440 Church St
Ann Arbor, MI 48109-1115
Tel: (734) 764-8601
Fax: (734) 936 – 2195
e-mail: perfecto@umich.edu

Education

1989 Ph.D., Ecology and Natural Resources, University of Michigan
1982 M.S., Biology, University of Michigan
1977 B.S., *Cum Laude*, Biology, Universidad Sagrado Corazón, Puerto Rico

Academic Positions

2009 to present George W. Pack Professor of Natural Resources, University of Michigan, Ann Arbor, MI
2006 to present Professor, School of Natural Resources and Environment, University of Michigan, Ann Arbor, MI
1996 to 2006 Associate Professor, School of Natural Resources and Environment, University of Michigan, Ann Arbor, MI
1989 to 1996 Assistant Professor, School of Natural Resources and Environment, University of Michigan

Visiting and Associated Positions

2000 to present Associate Faculty, Latina/o Studies Program, American Culture, University of Michigan
2012 to 2013 Adjunct Faculty, College of Graduate Studies, University of Toledo, Toledo, Ohio.
2003 to present Associate Faculty, Program in the Environment, University of Michigan
2004 to present Associate Faculty, Centro de Estudios de Desarrollo Agrario Rural, Universidad Agrária de la Habana, Cuba
2005 to 2006 Visiting Faculty, El Colegio de la Frontera Sur (ECOSUR), Chiapas, Mexico
Fall, 2004 Visiting Faculty, Universidad Federal de Minas Gerais, Brazil

9/2000 to 5/2002 Acting Director, Latina/o Studies Program, American Culture, School of Literature, Science and Art, University of Michigan
9/1996 to 9/1997 Visiting Scholar, Department of Entomology, Wageningen Agricultural University, The Netherlands
2/1986 to 6/1987 Visiting Faculty, National Agricultural University, Nicaragua
1/1982 to 7/1983 Instructor, Department of Biology, Interamerican University, Puerto Rico

Other Academic and Professional Experience

April 2015	Co-coordinator and Instructor for a two week course entitled Agroecology: Educating the Intuition through Ecological Theory, University of Natural Resources and Life Sciences (BOKU), Vienna, Austria
February 2014	Instructor of an intensive one-week course entitled ‘Biodiversity Conservation and Agriculture’, Proyecto Biodiversidad Agrícola en Ecosistemas Protegidos Cubana (COBARB), Instituto Nacional de Investigaciones Fundamentales Agrícolas Tropical (INIFAT), Habana Cuba in collaboration with UNESCO and Bioversity, Rome, Italy.
2005 - 2008	Coordinating Lead Author – International Assessment of Agricultural Science and Technology for Development (IAASTD), Latin America/Caribbean Assessment Report and Synthesis Report.
1992 - 2007	Co-coordinator and Instructor of a three-week intensive field course entitled "The Dynamics of Tropical Rain Forests," which is part of a research expedition to examine the regeneration of the rain forest in Nicaragua after hurricane and agricultural disturbance.
May 2005	Instructor of an intensive one-week course entitled ‘Biodiversity and Conservation’ Charles University, Prague, Czech Republic.
October 2004	Instructor of an intensive one-week course entitled "Biodiversitas e conservação” Universidad Federal de Minas Gerais, Belo Horizonte, Brazil.
April 2003	Invited Professor: Series of (7) Lectures on Biodiversity at Università di Firenze, Italy.
July 2000, 2002 and 2005	Instructor of an intensive one-week course entitled "Measurement and Analysis of Biodiversity,” ECOSUR, Chiapas, Mexico.
1996 (7/4 to 7/14)	Visiting Faculty, Ecological Principles of Agroecology, part of the Masters in Agroecology offered by the Universidad Iberoamericana, Spain.
1995 (1 week)	Co-coordinator and Instructor, Ecology of Intercropping, Centro de Investigaciones de Horticultura Liliana Dimitrova, Provincia de La Habana, Cuba.
1992 (1 week)	Co-coordinator and Instructor, Ecology of Multi-species Systems, Centro de Investigaciones Ecológicas del Sureste, San Cristóbal de las Casas, Chiapas, México.
1990 and 1991	Visiting Faculty, Tropical Managed Ecosystems Course (Summer Session), Organization for Tropical Studies, Costa Rica.
1988 and 1989	Co-coordinator, Agroecology Course (Summer Session), Organization for Tropical Studies, Costa Rica.
1987	Consultant for the Nicaraguan Ministry of Agriculture

Project: Environmental and Socio-Economic Effects of Pesticide Subsidies.

Awards and Honors

- 2015 Elected Fellow of the Ecological Society of America
- 2012 Elected member of the Scientific Council of the Regional Institute of Biodiversity (IRBIO) for Central America and the Dominican Republic (3 year appointment).
- 2011 Ecological Society of America Diversity Award (awarded by the Education and Human Resources Committee)
- 2010 Faculty Recognition Award (University of Michigan, university-wide award)
- 2009 George W. Pack Professorship (permanent endowed chair)
- 2009 Elected Fellow of the American Association for the Advancement of Science
- 2007-2008 Outstanding Faculty Award (chosen by SNRE Student Government)
- 2004-2005 Fulbright Scholar (Brazil)
- 2002 Faculty Career Development Award, University of Michigan
- 2001 Certificate of Recognition for Service to Latina/o Students, Latino Task Force
- 1989 The Samuel A. Graham Award, SNRE, University of Michigan
- 1988 Special Recognition (Ford Foundation)
- 1986-1987 Fulbright Fellow (Nicaragua)

Grants and Other Financial Awards

- 2015-2017 Curriculum Development in Sustainable Food Systems: Increasing Number and Diversity of Students in Sustainable Food Systems Studies (USDA-HEC Program) Robert Grees, Jenifer Blesh, Karen Peterson and Susan Aaronson, Co-PIs.
- 2014-2016 Generation of spatial pattern and consequences for the succession of a northeastern deciduous forest in Michigan (USDA-NIFA McIntire Stennis Program) John Vandermeer, Co-PI
- 2013-2014 Student engagement with the local and global food system (Third Century Initiative Award, UM)
- 2013-2015 Doctoral Dissertation Improvement Grant (for David Gonthier): Causes and Consequences of Biodiversity in Coffee Agriculture (DDIG-NSF)
- 2012-2014 Urban Gardens: spontaneous generation of spatial pattern, consequences for ecosystem and human health (MCube Award, UM)
- 2012-2013 Expanding horizons of research questions in agroecology: exploring the consequences of climate change and agricultural intensification in the coffee agroecosystem (Crosby Award, UM)
- 2012-2014 Ecology and complexity of the coffee farm (NSF: OPUS)

- 2011-2013 SNRE Envoys Initiative (Faculty Allies Diversity Grant) Bill Currie and Nick Reo, CoPIs
- 2006-2009 Forest Successional Dynamics in the Oak-Dominated Forests of the E. S. George Reserve: A Spatially Explicit Approach (MacIntyre-Stennis Grant) John Vandermeer Co-PI
- 2006-2008 Matrix Quality and the Value of Biodiversity: Conservation of Bats in Neotropical Agroforestry Systems (NSF Postdoctoral Fellowship to Kimberly Williams-Guillén)
- 2004-2010 Spatial scaling with an unusual food web structure: the case of *Azteca* ants in the coffee agroecosystem (NSF) John Vandermeer, Co-PI
- 2003-2006 Pesticide reduction through a better understanding of fertilizer/pest relationship (US Department of Agriculture)
- 2003-2004 Incorporation of technical education into an international institutional framework: a case study of the Mesoamerican Biological Corridor in Nicaragua (Advance Study Center, II, UM) Maria Lemos, Co-PI
- 2003-2004 Achieving economic and environmental goals by reducing the gap between producers and consumers: a case study of Ann Arbor's coffee consumers and Chiapas' coffee producers (Center for International Business Education, and Advance Study Center, II, UM) Tom Princen-Co-PI
- 2003-2004 Forest Successional Processes in the E. S. George Reserve, Livingston County, Michigan (McIntyre Stennis Program) John Vandermeer Co-PI
- 2000 – 2004 Biodiversity and Ecosystem Function: Top Down Control of Herbivory by Birds and Invertebrate predators in the Coffee Agroecosystem. (NSF) Russell Greenberg and Guillermo Ibarra-Núñez co-PIs
- 2002 Latinos and Environmental Justice (a conference). (Office of Vice Provost for Research, UM; Rackham Graduate School; International Institute, UM)
- 2001-2002 Biodiversity loss and the function of leaf litter ants in contrasting coffee management. (The Land Institute)
- 2000 Neotropical resident and migratory bird conservation in coffee agroecosystems in Chiapas, Mexico. (Chicago Zoological Society)
- 1999 Civic Engagement through a Field Course in Agriculture, Center for Learning through Community Service (Kellogg Foundation) with Catherine Badgley
- 1998-2003 Pesticide Reduction through a Better Understanding of the Fertilizer/Pest Relationship. (US Department of Agriculture)
- 1996 Sabbatical Award, Office of Multicultural Affairs, University of Michigan
- 1994 Biodiversity and the Transformation of Tropical Agroecosystem, (Office of Vice-Provost for Research, UM; Office of the Vice Provost for Academic and Multicultural Affairs, UM)
- 1993 Biodiversity in Changing Agroecosystems: The Coffee Agroecosystem in Costa Rica. (Rackham Graduate School, UM).
- 1991 Methane Uptake and the Modernization of Coffee: A Case Study in Costa Rica. (Population and Environment Dynamics Project Award, UM)
- 1990 / 1991 Ecological Consequences of a New Coffee Production Technology, (NSF)

1990 Ecological Consequences of a New Coffee Production Technology
(Office of Vice-Provost for Research, UM).

Publications

Peer-reviewed journals (* student or post doctoral collaborator)

1. Li*, K., J. Vandermeer and I. **Perfecto**. *In Press*. Agricultural intensification increases the spatial distribution of an endogenous biological control system through the mediating role of trees in a coffee agroecosystem. *Royal Society Open Science*.
2. Goulard, F., I. **Perfecto**, J. Vandermeer, D. Boucher, M. J. Chappell, G. Wilson Fernandez, A. Scariot, M. Correa Da Silva, W. L. Oliveira, R. Neville, J. Moor, M. Bustamante, S. Carvalho Ribeiro, B. Soares-Filho. *In Press*. The doubt promise of beef production to environmental conservation: Response to Oliveira Silva. *Nature Climate Change*.
3. James, T. Y., J. A. Marino, I. **Perfecto** and J. Vandermeer. 2016. Identification of coffee rust mycoparasites using single molecule DNA sequencing of infected pustules. *Applied and Environmental Microbiology* 82 (2): 631-636.
4. Maas, B. D. S. Karp, S. J. Bumrungsri, K. Darras, D. Gonthier*, J. C. –C. Huang, C. Lindell, J. Maine, L. Mestre, L. Michel, E. Morrison, I. **Perfecto**, S. M. Philpott, C. H. Sekercioglu, R. M. Silva, P. Taylor, T. Tschamtkke, S. Van Bael, C. J. Whelan, and K. Williams-Guillén*. *In press*. Bird and bat predation services in tropical forestry and agroforestry landscapes. *Biological Reviews*.
5. Marin*, L., S. M. Philpott, A. de la Mora, G. Ibarra, S. Tryban and I. **Perfecto**. 2016. Response of ground spiders to local and landscape factors in a Mexican coffee landscape. *Agriculture, Ecosystems and Environment* 222: 80-92.
6. **Perfecto**, I. and J. Vandermeer. 2015. Structural constraints in novel ecosystems in agriculture: the rapid emergence of stereotypic modules. *Perspectives in Plant Ecology, Evolution and Systematics* 17: 522-530.
7. Morris*, J. J. Vandermeer and I. **Perfecto**. 2015. A keystone ant species provides robust biological control of the coffee berry borer under varying pest densities. *PLoS ONE* 10(11): e0142850. doi:10.1371/journal.pone.0142850.
8. Vandermeer, J., P. Rohani and I. **Perfecto**. 2015. Local dynamics of the coffee rust disease and the potential effect of shade. arXiv:1510.05849 <http://arxiv.org/licenses/nonexclusive-distrib/1.0/>
9. Marin*, L.E., Jackson, D. and I. **Perfecto**. 2015. Spatially explicit positive associations between ants and spiders and its potential mechanisms. *Oikos* 124: 1078-1088.
10. Iverson*, A., L. Marin*, K. Ennis*, D. Gonthier*, J. Remfert*, J. O'Connor-Barrie*, B. Cardinale and I. **Perfecto**. 2014. Do polycultures promote win-wins or tradeoffs in agricultural ecosystem services?: A meta-analysis. *Journal of Applied Ecology* 51: 1593-1602.

11. **Perfecto**, I., J. Vandermeer and S. M. Philpott. 2014. Complex ecological interactions in the coffee agroecosystem. *Annual Reviews of Ecology, Evolution and Systematics* 45: 137-158.
12. Gonthier*, D. J., K. K. Ennis*, S. Farinas*, H.Y. Hsieh*, A. L. Iverson*, P. Batary, J. Rodolphi, T. Tschardtke, B. J. Cardinale and I. **Perfecto**. 2014. Biodiversity conservation in agriculture requires a multi-scale approach. *Proceedings of the Royal Society of London* 281 (1791): 20141358
13. Hajian-Forooshani, Z.*, D. J. Gonthier*, L. Marin*, A. L. Iverson* and I. **Perfecto**. 2014. Changes in species diversity of arboreal spiders in Mexican coffee agroecosystems: Untangling the web of local and landscape influences driving diversity. *PeerJ* 2:e623; DOI 10.7717/peerj.623
14. Jackson*, D., D. Allen*, I. **Perfecto** and J. Vandermeer. 2014. Self-organization of background habitat determines the nature of population spatial structure. *Oikos* 123 (6): 751-761.
15. Kuesel*, R., D. J. Gonthier*, M. Cruz*, C. Vaiyda*, Iverson*, A. L. and I. **Perfecto**. 2014. Local management and landscape use intensity associated with a coffee leaf-chewing beetle. *Agroecology and Sustainable Food Systems* 38(5): 532-440.
16. Liere, H.*, I. **Perfecto** and J. Vandermeer. 2014. Stage-dependent response to habitat heterogeneity: consequences for a predatory insect population in a coffee agroecosystem. *Ecology and Evolution* 4 (16): 3201-3209
17. Jackson*, D., J. Vandermeer, I. **Perfecto** and S. Philpott. 2014. Population responses to environmental change in a tropical ant: the interaction of spatial and temporal dynamics. *PLoS ONE* 9(5): e97809. doi:10.1371/journal.pone.0097809.
18. Vandermeer, J., D. Jackson* and I. **Perfecto**. 2014. Qualitative dynamics of the coffee rust epidemic: educating the intuition with theoretical ecology. *BioScience* 2014; doi: 10.1093/biosci/bit034.
19. Briggs*, H. M., I. **Perfecto** and B. J. Brosi. 2013. The role of the agricultural matrix: coffee management and Euglossine bee (Hymenoptera: Apidae: Euglossini) communities in southern Mexico. *Environmental Entomology* 42 (6): 1210-1217.
20. Chappell, M.J., H. Wittman, C. Bacon B. Ferguson, L. García Barrios, R. García Barrios, J. Lima, V. E. Méndez, H. Morales, L. Soto Pinto, J. Vandermeer, and I. **Perfecto**. 2013. Food sovereignty: an alternative paradigm for poverty reduction and biodiversity conservation in Latin America. *F1000Research* 2013, 2: 235 (doi:10.12688/f1000research.2-235.v1)
21. Silva*, E.N. and I. **Perfecto**. 2013. Coexistence of aphid predators in cacao plants: Does ant-aphid mutualism play a role? *Sociobiology* 60:259-265.
22. Jiménez-Soto*, M. E., J. A. Cruz-Rodríguez, J. Vandermeer and I. **Perfecto**. 2013. *Hypothenemus hampei* (Coleoptera: Curculionidae) and its interactions with

- Azteca instabilis* and *Pheidole synanthropica* (Hymenoptera: Formicidae) in a shade coffee agroecosystem. *Environmental Entomology* 42: 915-924.
23. Belasen*, A., E. Burkett*, A. Injaian*, K. Li*, D. Allen*, and I. **Perfecto**. 2013. Effect of subcanopy on habitat selection in the blue-spotted salamander (*Ambystoma laterale-jeffersonianum* unisexual complex). *Copeia* 2013 (2): 254-261.
 24. Gonthier*, D. J., K.K. Ennis*, S.M. Philpott, J. Vandermeer and I. **Perfecto**. 2013. Ants defend coffee berry borer colonization. *BioControl* (on line first: BioControl DOI 10.1007/s10526-013-9541-z
 25. Cunningham, S. A., S.J. Attwood, K.S. Bawa, T.G. Benton, L.M., Broadhurst, R.K. Didham, S. McIntyre, I. **Perfecto**, M.J. Samsways, T. Tscharrntke, J. Vandermeer, M.A. Villard, A.G. Young and D.B. Lindenmayer. 2013. To close the yield-gap while saving biodiversity will require multiple locally relevant strategies. *Agriculture, Ecosystems and Environment* 173: 20-27.
 26. Marin*, L. and I. **Perfecto**. 2013. Spider diversity in agroecosystems: the influence of agricultural intensification and aggressive ants. *Environmental Entomology* 42: 204-213.
 27. **Perfecto**, I. and J. Vandermeer. 2013. Ant assemblages on a coffee farm: spatial mosaic versus shifting patchwork. *Environmental Entomology* 42: 38-48.
 28. Vandermeer, J. and I. **Perfecto**. 2013. Complex traditions: Intersecting theoretic frameworks in agroecological research. *Agroecology and Sustainable Food Systems* 37: 76-89.
 29. Vandermeer, J. and I. **Perfecto**. 2013. Tradiciones complejas: intersección de marcos teóricos en la investigación agroecológica. *Agroecología* 8 (2): 55-64. (this is an expanded translation of the article published in *Agroecology and Sustainable Food Systems*, listed as #19)
 30. Vandermeer, J. and I. **Perfecto**. 2012. Syndromes of production in agriculture: Prospects for socio-ecological regime change. *Ecology and Society* 17 (4): 39. <http://dx.doi.org/10.5751/ES-04813-170439>
 31. **Perfecto**, I. and J. Vandermeer. 2012. Separación o integración para la conservación de biodiversidad: la ideología detrás del debate “land-sharing versus land-sparing.” *Ecosistemas* 21: 180-191.
 32. Jha*, S., D. Allen*, I. **Perfecto** and J. Vandermeer. 2012. Mutualism and population regulation: mechanism matters. *PLoS One* 7(8): e43510. doi:10.1371/journal.pone.0043510.
 33. Hsieh*, H. and I. **Perfecto**. 2012. Ecological impacts of phorid parasitoids on ant communities. *Psyche*, doi:10.1155/2012/380474
 34. Hsieh*, S., H. Liere*, M. E. Jiménez Soto* and I. **Perfecto**. 2012. Cascading trait-mediated interactions induced by ant pheromones. *Ecology and Evolution* 2(9): 2181-2191. doi: 10.1002/ece3.322

35. Tacharntke, T., Y. Clough, L. Jackson, I. Motzke, I. **Perfecto**, J. Vandermeer, T. C. Wanger and A. Whitbread. 2012. Global food security, biodiversity conservation and the future of agricultural intensification. *Biological Conservation* 151: 53-59 (Faculty of 1000 Recommended <http://f1000.com/prime/717951127?bd=1>)
36. Mates*, S., C. Badgley and I. **Perfecto**. 2012. Parasitoid wasp diversity in apple orchards along a pest management gradient. *Agriculture, Ecosystems and Environment* 156: 82-88.
37. Fisher, J., P. Batáry, K. Bawa, L. Brussard, M. H. Chappell, Y. Clough, G. C. Daily, J. Dorough, T. Hartel, L. E. Jackson, A. M. Klein, C. Kremen, T. Kaurerle, D. Lindenmayer, H. A. Mooney, I. **Perfecto**, S. M. Philpott, T. Tscharntke, J. Vandermeer, T. C. Wagner and H. von Wehrden. 2011. Conservation: Limits of land sparing. *Science* 334: 593.
38. **Perfecto**, I. and J. Vandermeer. 2011. Discovery Dominance tradeoff as a mechanism of coexistence: the case of *Pheidole subarmata* and *Solenopsis geminata* (Hymenoptera: Formicidae) in Neotropical pastures. *Environmental Entomology* 40: 999-1006.
39. Lin*, B. B., M. J. Chappell, J. Vandermeer, G. R. Smith, E. Quintero, R. Bezner-Kerr, D. Griffith, S. Ketchum, S. Latta, P. McMichael, K. McGuire, R. Nigh, D. Rocheleau, J. Soluri, and I. **Perfecto**. 2011. Effects of industrial agriculture on global warming and the potential of small-scale agroecological farming to mitigate those effects. *CAB Reviews: Perspectives in Agriculture, Veterinary Science, Nutrition and Natural Resources* 6 (20): 1-18.
40. Goulard*, F. F., J. Vandermeer, I. **Perfecto** and R. Matta-Machado. 2011. Frugivory by five bird species in agro-forest homegardens of Pontal do Paranapanema, Brazil. *Agroforestry Systems* 82: 239-246.
41. Tscharntke, T., Y. Clough, S. A. Bhagwat, H. Faust, D. Hertel, D. Hölscher, J. Juhrbandt, M. Kessler, I. **Perfecto**, G. Schroth, and E. Veldkamp. 2011. Ecological principles of multifunctional shade-tree management in cacao agroforestry landscapes. *Journal of Applied Ecology* 48: 619-629.
42. William-Guillén*, K. and I. **Perfecto**. 2011. Insectivorous Bats Demonstrate Variable Responses to Agricultural Intensification in a Neotropical Agroforestry System. *PloS ONE* 6: e16502.
43. **Perfecto**, I., J. Vandermeer and S. M. Philpott. 2010. Complejidad ecológica y el control de plagas en un cafetal orgánico: develando un servicio ecosistémico autónomo. *Agroecología* 5: 41-51
44. William-Guillén*, K. and I. **Perfecto**. 2010 Effects of agricultural intensification on the assemblage of leaf-nosed bats (Phyllostomidae) in a coffee landscape in Chiapas, Mexico. *Biotropica* 42: 605-613
45. **Perfecto**, I. and J. Vandermeer. 2010 The agricultural matrix as an alternative to the land-sparing/agricultural intensification model: facing the food and biodiversity crises. *Proceedings of the National Academy of Science* 107:5786-5791.

46. Vandermeer, J., I. **Perfecto** and S. M. Philpott. 2010. Ecological complexity and pest control in organic coffee production: uncovering an autonomous ecosystem service. *BioScience* 60: 527-537.
47. Vandermeer, J., I. **Perfecto** and N. Schellhorn. 2010. Propagating sinks, ephemeral sources and percolating mosaics: Conservation in landscapes. *Landscape Ecology* 25: 509-518.
48. Jha*, S., J. Vandermeer, and I. **Perfecto**. 2009. Population dynamics of *Coccus viridis*, a ubiquitous ant-tended agricultural pest, assessed by a new photographic method. *Bulletin of Insectology* 62: 183-189.
49. Ferguson, B. G. H. Morales, A. González Rojas, F. de Jesús Íñiguez Pérez, M. E. Martínez Torres, K. McAfee, R. Nigh, I. **Perfecto**, S. M. Philpott, L. Soto Pinto, J. Vandermeer, R. M. Vidal, L. E. Ávila Romero, H. Bernardino, R. Realpozo Reye. 2009. Soberanía alimentaria: Cultivando nuevas alianzas entre campo, bosque y ciudad. *Agroecología* 4: 49-58. Also printed in: Altieri, M. A. (ed.) *Vertientes del pensamiento agroecológico*, Sociedad Científica Latinoamericana de Agroecología, Medellín, Colombia.
50. Goulart*, F., J. Vandermeer and I. **Perfecto**. 2009. Agroecologia na quebra de dois paradigmas modernos (Agroecological analysis of two modern paradigms). *Revista Brasileira de Agroecologia* 4: 76-85.
51. Allen*, D., J. Vandermeer and I. **Perfecto**. 2009. Are Islands really habitat Islands? *Forest Ecology and Management* 258: 2033-2036.
52. Vandermeer, J., I. **Perfecto**, and H. Liere*. 2009. Evidence for effective hyperparasitism on the coffee rust, *Hemileia vastatrix*, by the generalized insect pathogen, *Lecanicillium (Verticillium) lecanii* through a complex ecological web. *Plant Pathology* 58: 636-641
53. Philpott SM, I. **Perfecto**, J. Vandermeer, and S.Uno*. 2009. Spatial scale and density dependence in a host parasitoid system: an arboreal ant, *Azteca instabilis* and its *Pseudacteon* phorid parasitoid. *Environmental Entomology* 38: 790-796.
54. Jackson*, D., J. Vandermeer and I. **Perfecto**. 2009 Spatial and temporal dynamics of a fungal pathogen promotes pattern formation in a tropical agroecosystem. *The Open Ecology Journal* 2: 62-73.
55. Gordon, C. E., B. McGill, G. Ibarra-Núñez, R. Greenberg, and I. **Perfecto**. 2009. Simplification of a coffee foliage-dwelling beetle community under low-shade management. *Basic and Applied Ecology* 10: 246-254.
56. Chappell, M. J., J. Vandermeer, C. Badgley and I. **Perfecto**. 2009. Wildlife-friendly farming versus land sparing (Peer-reviewed letter). *Frontiers in Ecology and the Environment* 7: 183.
57. Philpott, S.M., W. J. Arendt, I. Armbrrecht, P. Bichier, T. V. Diestch, C. Gordon, R. Greenberg, I. **Perfecto**, R. Reynoso-Santos, L. Soto-Pinto, C. Tejada-Cruz, G. Williams-Linera, J. Valenzuela, and S.M. Zolotoff. 2008. Biodiversity loss in

- Latin America coffee landscapes: review of the evidence on ants, birds and trees. *Conservation Biology* 22: 1093-1105.
58. Lin*, B. B. **I. Perfecto** and J. Vandermeer. 2008. Synergies between agricultural intensification and climate change could create surprising vulnerabilities for crops. *BioScience* 58: 847-854.
 59. **Perfecto, I.** and J. Vandermeer. 2008. Biodiversity conservation in tropical agroecosystems: A new paradigm. *Annals of the New York Academy of Science, (The Year in Ecology and Conservation Biology 2008)* 1134: 173-200.
 60. Williams-Guillén*, K., **I. Perfecto**, and J. Vandermeer. 2008. Bats control arthropod populations in a Neotropical agroforestry system. *Science* 320: 70.
 61. **Perfecto, I.**, and J. Vandermeer. 2008. Spatial pattern and ecological process in the coffee agroecosystem. *Ecology* 89: 915-920. (Special Feature)
 62. Greenberg, R., **I. Perfecto** and S. M. Philpott. 2008. Agroforests as model systems for tropical ecology. *Ecology* 89: 913-914. (Special Feature)
 63. Blair*, B. and **I. Perfecto**. 2008. Root proliferation and nutrient limitations in a Nicaraguan rain forest. *Caribbean Journal of Science* 44:36-42.
 64. Philpott, S. M., **I. Perfecto**, J. Vandermeer. 2008. Behavioral diversity of predatory arboreal ants in coffee agroecosystems. *Environmental Entomology* 37: 181-191.
 65. Philpott SM, **I. Perfecto**, J. Vandermeer. 2008. Effects of predatory ants on lower trophic levels across a gradient of coffee management complexity. *Journal of Animal Ecology* 77: 505-511.
 66. Liere*, H. and **I. Perfecto**. 2008. Cheating in a mutualism: Indirect benefits of ant attendance to a coccidophagous coccinellid. *Environmental Entomology* 37: 143-149.
 67. Vandermeer, J., **I. Perfecto** and S. M. Philpott. 2008. Clusters of ant colonies and robust criticality in a tropical agroecosystem. *Nature* 451: 457-459.
 68. Badgley, C., J. Moghtader*, E. Quintero*, E. Zaker*, J. M. Chappell*, K. Aviles-Vázquez*, A. Samulon*, and **I. Perfecto**. 2007. Organic agriculture and the global food supply. *Renewable Agriculture and Food Systems* 22 (2): 86-108.
 69. Dietsch*, T.V., **I. Perfecto**, R. Greenberg. 2007. Avian foraging behavior in two coffee agroecosystems of Chiapas, Mexico. *Biotropica* 39: 232-240.
 70. Vandermeer, J. and **I. Perfecto**. 2007. The agricultural matrix and the future paradigm for conservation. *Conservation Biology* 21: 274-277.
 71. **Perfecto, I.** and J. Vandermeer. 2006. The effect of an ant-hemipteran mutualism on the coffee berry borer (*Hypothenemus hampei*) in southern Mexico. *Agriculture, Ecosystems and Environment* 117: 218-221.
 72. Armbrrecht*, I., **I. Perfecto** and E. Silverman. 2006. Limitation of nesting resources for ants in Colombian coffee plantations. *Environmental Entomology* 31: 403-410.

73. Vandermeer, J. and **I. Perfecto**. 2006. Response to comments on “ A keystone mutualism drives a power function.” *Science* 313: 1739.
74. Vandermeer, J., and **I. Perfecto**. 2006. A keystone mutualism drives pattern in a power function. *Science* 311: 1000-1002
75. Philpott*, SM, **I. Perfecto** and J. Vandermeer. 2006. Effects of management system and season on arboreal ant diversity and abundance in coffee agroecosystems. *Biodiversity and Conservation* 15: 139-155.
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1. Yitbarek, S. J. Vandermeer, R. Balaguer, M. Cruz, y I. **Perfecto**. Priority effects: slowness as an ecological strategy for invasiveness. For *Environmental Entomology*
2. Silva*, E. N. and I. **Perfecto**. Coexistence of aphid predators in cacao plantations: does ant-aphid mutualism play a role? For *Psyche*.
3. Cepeda-Valencia*, T. Leon-Sicard and I. **Perfecto**. Impact of agricultural local practices and landscape context on ant diversity in highland coffee in Colombia. For *Agriculture, Ecosystems and Environment*.
4. Skillman*, J. and I. **Perfecto**. A study of abiotic and biotic factors affecting coffee rust infection rates in a shade grown organic coffee farm. For *Plant Pathology?*
5. Soto-Pinto, L., S. M. Philpott, J. Vandermeer, and I. **Perfecto**. Is the coffee agroforestry system multifunctional? Reflections on Mexican coffee. For *Ecosystem Services*.
6. Gonthier*, D. J., A. L. Iverson*, M. Dennis and I. **Perfecto**. Agricultural intensification alters ant trophic resource use. For *Ecology Letters*
7. Vandermeer, J. I. **Perfecto**, P. Rohani and T. James. The coffee rust disease in Latin America: The need for ecological thinking. For *TREE*
8. Hsieh*, S. and I. **Perfecto**. Effect of trait-mediated indirect interactions on a consumer-resource system. For *Ecology Letters*.
9. Hsieh*, S., J. Morris and I. **Perfecto**. How widespread are cascading trait-mediated effects in arthropod communities? For *Environmental Entomology*.
10. **Perfecto**, I. and J. Vandermeer. Ants and the ecosystem service of pest control in a coffee agroecosystem in Southern Mexico. For *Neotropical Entomology*
11. Ennis, K., J. Vandermeer and I. **Perfecto**. Keystone competitor creates spatial patterns of biodiversity. For *Proceedings of the Royal Society B, London*.
12. Jackson, E. and I. **Perfecto**. Ants in the city: The ecology of ants in the urban environments. For *Myrmecological News*.

**Invited Symposia, Plenary Talks and Seminars
(Last 10 years)**

- 2016 **Invited Symposium Speaker:**
 Shade Coffee: Coffee, Agroecology and Agroforestry, University of Puerto Rico, “Ecosystem services in shaded coffee systems, (April, 2016)

Agroecology Symposium, Universidad de Puerto Rico, Utuado,
“Complex interactions in agroecosystems: Connections
among trait-mediated indirect interaction.” (April, 2016)

Invited Seminar Speaker:

“Complex ecological interactions and autonomous pest control in
coffee farms.” Department of Applied Ecology, North
Carolina State University, Raleigh (March, 2016)

“The ant, its hemipteran, the beetle and its parasitoid: Complex
ecological interactions in a tropical agroecosystems,”
Department of Natural Resources and Environmental
Sciences, University of Illinois, Urbana-Champaign
(February, 2016)

2015

Plenary/Key Note Speaker:

“Student Conference in Conservation Science”, American Museum
of Natural History, “Ecological Complexity in the Coffee
Farm” (October, 2015)

Invited Symposium Speaker:

Richard Levins Festschrift “The Truth is the Whole”: “Learning
complexity through gaming”, Boston, MA (May 22-23,
2015)

“TEACH-IN + 50: End the War Against the Planet”, Industrial
Agriculture versus Small-Scale Agroecology: Which is
Better for the Planet? (March, 2015)

Symposium Organizer:

“100 Years of Agroecology: Pushing the Frontiers of Ecology”,
Ecological Society of America Annual Meeting, Baltimore
(August, 2015)

Invited Seminar Speaker:

“Interacciones ecológicas complejas y el control de plagas de
café,” Instituto de Ecología, Xalapa, México (June 2015)

2014

TED Talk:

TEDx River Rouge, Toronto: “Embracing biodiversity and
complexity on the farm.” Toronto, Canada (July, 2014)

Plenary/Key Note Speaker:

The Color of Science II: The Innovation Potential of Relationships
Networks: “Interactive networks in agroecosystems”,
Berlin, Germany (March 2014)

Manejo de Paisaje en Puerto Rico: Un Espacio de Intercambio
Interdisciplinario para la Conservación y El Desarrollo
Sustentable: “Agricultura y conservación de la
biodiversidad: un estudio de case de los cafetales bajo
sombra,” San Juan, Puerto Rico (November 6&7, 2014)

Invited Seminar Speaker:

Kellogg Biological Station, Michigan State University: “Nature’s Matrix: beyond the land sharing/land sparing debate (October, 2014)

Department Seminar of the Department of Plant, Soil and Microbial Sciences and the Department of Horticulture, Michigan State University: “Diversity in the sciences and the challenges of achieving a sustainable food system” (October, 2014)

Lectures on Latin American Conservation and Change: “Ecología, biodiversidad y aspectos sociales del cultivo de café”, University of Natural Resources of Vienna (BOKU), Vienna, Austria (March, 2014)

Development Conversations Lecture Series, Center for Critical Development Studies, Department of Geography, University of Toronto, Scarborough, Canada: “A conversation between Marney Isaac and Ivette Perfecto” (March, 2014)

Department Seminar of the Department of Ecology and Evolutionary Biology, University of Toronto, Toronto, Canada: “Yields and biodiversity conservation: tradeoffs or synergies?” (March, 2014)

Seminar series of the Department of Ecology and Evolutionary Biology, Columbia University, NY: “Nature’s matrix: balancing production and biodiversity in agricultural landscapes” (February, 2014)

Invited Symposium Speaker:

World Wildlife Fund Fuller Symposium “Whole Planet, Full Plates, Finding Ways to Feed the Planet Sustainable”: “Biodiversity and the resilience and productivity of agriculture,” Washington, DC (November 12, 2014)

Science for the People Conference, University of Massachusetts, Amherst, MA: Science for the People in the World: “New World Agriculture and Ecology Group in Nicaragua” (April, 2014)

ActionAid Panel at the World Food Prize Conference “Changing Course to Feed the World in 2015: Land, Biofuels and Food Systems”: “Agroecology and the future of agriculture”, Des Moines, Iowa (October 16, 2014)

2013

Plenary/Key Note Speaker:

Québec Center for Biodiversity Science Annual Symposium, Montreal, Quebec: “Biodiversity, Agriculture and Food Sovereignty” (December 12-13, 2013)

International Women’s Coffee Alliance, III International Convention, Guatemala City, Guatemala: “Ecological

complexity and biological control in coffee farms”
(February 7-9, 2013)

Invited Seminar Speaker:

Entomology Department, Cornell University, Ithaca: “Nature’s matrix: conservation of biodiversity in agroecosystem”
(April 10, 2013)

Biology Without Borders Seminar, Cornell University, Ithaca:
“Complex ecological interactions and autonomous pest control in a coffee agroecosystem” (April 9, 2013)

Invited Symposium or Organized Oral Session Speaker:

Association of Tropical Biology and Conservation, Annual Meeting, San Jose Costa Rica: “Let’s play Azteca: Linking the theory and practice of agroecology through gaming”
(June 23-27)

Ecological Society of America Annual Meeting, Minneapolis, Minnesota, Organized Oral Session: Doing justice through your research, “The responsibilities of ecologists: Reflections on 30 year experience with the New World Agriculture and Ecology Group” (August 4-9, 2013)

Ecological Society of America Annual Meeting, Minneapolis, Minnesota, Ignite Session: Bridging the gap between basic science and applied problem-solving, “Playing with ecological complexity” (August 4-9, 2013)

Workshop Speaker:

SESYNC Workshop on Food Security, Equity and Ecological Sustainability, Anapolis, Maryland (October 8-10, 2013)

Contribution of Women to Agroecology Workshop, Tapachula, Mexico: “Recruitment and retention of women and minorities in the sciences” (February 25-28, 2013)

2011-2012 **Plenary/Key Note Speaker:**

2012 Macalester College International Roundtable – Feeding the World: Globalization, Food and Agriculture in the 21st Century – A Call for Action, Macalester College, Saint Paul: “Agroecology and the struggle for food sovereignty in a globalized world” (October 11-12, 2012)

Annual Conference of the Society for Tropical Ecology, Erlangen, Germany (February 22-25, 2012)

Invited Symposium Speaker:

Agroecology and Environmental Justice: Symposium at the Annual Meeting of the Ecological Society of America, Portland, Oregon: “Greening coffee production for biodiversity conservation and socio-environmental justice in Central America” (August 6-10, 2012).

Symposium du GDR MOSAIQUE, CNRS: Evolution, Paysageres, Domestications et Agrodiversites, CNRS, Paris, France:

“Ecological complexity of a biodiverse ecosystem and the ecosystem service of pest control: the case of coffee in Mexico” (December 6, 2011).

Reconciling food security, biodiversity and multiple ecosystem services in agricultural landscapes, Symposium at the Planet Under Pressure Conference, London, UK:

“Agroecology, biodiversity and food security: transcending the land sparing debate” (March 25-29, 2012)

Invited Seminar Speaker:

Graduate Students Selected Speaker, Applied Biodiversity Science (IGERT) Program, Department of Ecosystem Science and Management, Texas A&M, College Station, TX

Centre d'Ecologie Fonctionnelle & Evolutive, Centre National de la Recherche Scientifique, Montpellier, France.

Departamento de Agroecología, El Colegio de la Frontera Sur. San Cristobal de las Casas, Chiapas, Mexico.

2010-2011 **Plenary/Keynote Speaker:**

Functions and Services of Biodiversity Conference (June 20-22, 2011), George August University, Gottingen, Germany.

13th Annual Bay Area Conservation Biology Symposium, Berkeley, CA

III Congress of the Latin American Scientific Society of Agroecology (SOCLA), Oaxtepec, Morelos, Mexico.

Understanding and Managing Ecological Novelty – Towards an Integrative Framework of the Socio-Ecological Risks of Novel Organisms (4-6 September, 2011) Swiss Federal Institute of Technology, University of Zurich, Zurich, Switzerland.

Invited Seminar Speaker:

Food Security: How Can Science and Policy Contribute, Plant Science Center and Swiss Federal Institute of Technology, University of Zurich, Zurich, Switzerland.

Graduate Students Selected Speaker, Ecology and Evolutionary Biology, University of California, Davis, CA

Department of Environmental Science, Policy and Management, University of California, Berkeley, CA

CSIRO, Entomology Division, Spatial Ecology Seminar, Brisbane, Australia

Biodiversity and Ecosystem Services, International Center for Research in Organic Food Systems (ICROFS), Denmark (seminar in Washington DC, Danish Embassy)

Bennington College, North Bennington, VT.

Invited Workshop Participant:

Land Use Intensification and Biodiversity Conservation, CSIRO,
Ecosystem Science, Canberra, Australia.

Invited Symposium Speaker:

Semana de Seguridad Alimentaria en Puerto Rico, Universidad de
Puerto Rico, Recinto de Mayagüez, Mayagüez, Puerto
Rico.

2009-2010

Invited Symposium Speaker:

Climate Justice, Ecological Society of America, Pittsburgh, PA.

Co-Organizer and Speaker-Symposium:

Global Warming, Smallholder Agriculture and Environmental
Justice: Making Critical Connections, Ecological Society of
America, Pittsburgh, PA.

Invited Seminar Speaker:

Graduate Student Selected Speaker, School of Environment and
Natural Resources, Ohio State University, Columbus, OH.

2008-2009

Plenary/Keynote Speaker:

Forum on Agroecology and the Conservation of Biodiversity,
Autonomous University of Chapingo, Mexico (June, 2010)

2nd Annual Meeting of Scientific Society of Agroecology of Latin
America (SOCLA), Curitiba, Brazil (October 2009)

McGovern Conference “Hungry for Green: Feeding the World
Sustainable” Dakota Wesleyan University, Mitchell, SD.

Invited Seminars Speaker:

Distinguished Scientist Seminar Series, Ecosystem Center of the
Marine Biological Laboratory, Woods Hole, MA

Departmental Seminar, EEB, University of Michigan

University of Queensland and the Australia’s Commonwealth
Scientific and Industrial Research Organization

Department of Ecology, Universidad Autonoma de Barcelona,
Barcelona, España

Invited Symposium Speaker:

Landscape Ecology and Poverty, International Association of
Landscape Ecology, Snowbird, Utah

Land-use Change at Local and Landscape Scales, Association of
Tropical Biology and Conservation, Marburg, Germany.

2007-2008

Plenary/Keynote Speaker:

Sustainable Coffee Forum, University of Puerto Rico, Mayaguez,
Puerto Rico.

Invited Seminar Speaker:

Edwin Way Teale Lecture Series: Brewing Biodiversity: The
Ecology of the Coffee Agroecosystem, University of
Connecticut

Swedish Agricultural University, Department of Ecology.

Latin American and Caribbean Studies Spring 2008 “Charla”
Seminar Series and Michigan State University

Ashoka Trust for Research in Ecology, Bangalore, India
Universidad Autonoma Chapingo, Texcoco, Mexico,
Centro de Investigaciones Tropicales, Universidad Veracruzana,
Xalapa, Mexico.

Invited Symposium Speaker:

Coffee Ecology, Annual Meeting of the Association of Tropical
Biology and Conservation, Morelia, Mexico

Co-organizer and Speaker-Organized Oral Session

Ecology lessons from research in agroforestry systems, Ecological
Society of America, Annual Meeting, San Jose, CA.

2006-2007

Plenary Speaker:

Madison Ecology Group Spring Symposium, University of
Wisconsin, Madison

Invited Seminar Speaker:

Environmental Law Student Association Seminar Series,
University of Michigan, Law School

Invited Symposium Speaker:

Environmental Justice and Ecology, Ecological Society of America
Annual Meeting, Memphis, TN

Ant Community Ecology (Co-author with S. Philpott and I.
Armbrecht), Annual Meeting of the International Union for
the Study of Social Insects, Washington, DC.

Invited Organized Oral Session Speaker:

Biodiversity and the alleviation of Poverty, Ecological Society of
America Annual Meeting, Memphis, TN

2005-2006

Plenary/Keynote Speaker:

Holland Lecture, University of Indiana
Stability in Rain Forest Margins Symposium, Charles August
University, Göttingen, Germany

Invited Symposium Speaker:

Integrating Conservation, Social Equity and Agricultural
Production: Experiences from Brazil and Central America,
XXVI International Congress of the Latin American
Studies Association, San Juan, PR

Diversity of Complexity: Rethinking the Gap and Leveraging
Differences, Center for Institutional Diversity and the
Center for the Study of Complex Systems, University of
Michigan.

2004-2005

Plenary Speaker:

II Seminario Internacional sobre Agroecologia, Puerto Alegre,
Brazil.

Invited Symposium Speaker:

Annual Meeting of the Association of Tropical Biology and
Conservation, Uberlandia, Brazil

Invited Seminar Speaker:

Universidade Federal de Viçosa, Viçosa, Brasil
East China Normal University, Shanghai, China
Southwest Forestry School, Kunming, Yunnan Province, China

2003-2004 **Invited Symposium Speaker:**

The Food Sovereignty, Conservation, and Social Movements for
Sustainable Agriculture in the Americas Conference – Yale
University, New Haven
Complexity Conference, Havana, Cuba

Invited Seminar Speaker:

Department of Entomology, University of Maryland.

**Other Invited Seminar
(1993-2000)**

El Colegio de la Frontera Sur (México); Colorado State University;
University of Colorado; Wageningen Agricultural University (The
Netherlands); Blaustein Institute for Desert Research, Ben Gurion
University (Israel); Stanford University; University of California-Santa
Cruz; Universidad Nacional Autónoma de Costa Rica (Costa Rica);
Smithsonian Migratory Bird Center, Washington, DC.

Conference Participation

(1993-2000) Latin American Studies Association, X International Congress, Chicago;
International Entomology Congress, Florence, Italy; Sustainable Coffee
Conference, Smithsonian Center for Migratory Birds, Washington, DC;
Latin American Studies Association XVIII International Congress,
Atlanta, GA; Workshop on the Response of Multispecies Agroecosystems
to Global Change, Shaba, Kenya; V International Congress of Integrated
Pest Management, San José, Costa Rica; Conference on Policies for
Environmental Justice, University of Michigan; National Lawyers Guild
Midwest Regional Conference, University of Michigan; Global Warming
International Conference, Global Warming International Center, Chicago,
IL; Annual Meeting of the Association of Tropical Biology, San Juan,
Puerto Rico (1993)

Post Doctoral Fellows

Kimberly Williams-Guillén (2006-2008)

Dr. Jarvas Queiroz (2007-2008)

Current activity:

Director of Conservation Science, Paso
Pacífico

Associate Professor, Universidade Federal
Rural de Rio de Janeiro, Seropedica, Brazil

Graduate Students

Ph.D. Students (Committee Chair)

Graduated:

Dr. Patrick Christie (1999)

Dr. Helda Morales (2000)

Current activity:

Associate Professor (U. of Washington)

Investigador Titular A (ECOSUR, Mexico)
(equivalent to Associate Professor)

Dr. Brent Blair (2002)	Associate Professor (Xavier University)
Dr. Thomas V. Dietsch (co-chair) (2003)	Migratory Bird Biologist (US Fish and Wildlife)
Dr. Inge Armbrecht (2003)	Associate Professor (Universidad del Valle, Colombia)
Dr. Stacy Philpott (co-chair) (2004)	Associate Professor, University of Toledo
Dr. Miguel Antonio Garcia (2004)	Director Fish and Wildlife (Department of Natural Resources, Puerto Rico)
Dr. Virginia Nickerson (co-chair) 2006	Outreach Coordinator, Center for Sustainable Agriculture, University of Vermont
Dr. Brenda B. Lin (2006)	Interdisciplinary Ecologist and Science Policy Researcher (Commonwealth Scientific and Industrial Research Organization [CSIRO], Australia)
Dr. Evandro do Nascimento Silva (2006)	Associate Professor and Chief of Staff of the Provost Office, Universidade Estadual de Santa Ana, Bahia, Brazil
Dr. Shinsuke Uno (2007)	Lecturer, Hosei University, Japan
Dr. Linda Marin (2014)	Postdoctoral Fellow, Colegio de la Frontera Sur, San Cristobal, Chiapas, Mexico
Dr. David Gonthier (2014)	Presidential Postdoctoral Fellow, University of California, Berkeley, CA
Dr. Hsunyi Hsieh (2015)	Visiting scholar, Kellogg Biological Station, Michigan State University, MI

Current:

Maria Carolina Simao
Lauren Schmitt

Former Visiting Ph.D. Students from Abroad

Lorena Soto Pinto (2000-2001, Mexico)
Ethel Peternelli (2006-2007, Brazil)
Iracenir Dos Santos (2009-2010, Brazil)

Master Students (Committee Chair)

Graduated:

Maria Antonia Mallona

Janine Bologna
Patrick Christie
Brent Blair
John Soluri
David Gisaru

Current activity:

Director of Environmental Program (Peace Corps, Nicaragua)
unknown
Associate Professor (U. of Washington)
Associate Professor (Xavier University)
Associate Professor (Carnegie-Mellon)
unknown

Dana Roth	Southwest Assistant Regional Director for Science Applications, Landscape Conservation Cooperative, US Fish and Wildlife
Erika Schreder	Staff Scientist, Washington Toxics Coalition, Seattle, Washington
Bruce Ferguson	Investigador Titular A, ECOSUR, Mexico (equivalent to Associate Professor)
Virginia Nickerson	Outreach Coordinator, Center for Sustainable Agriculture, University of Vermont
Katie Richter	
Shinsuke Uno	Lecturer, Hosei University, Japan
Alexandre Mas	Director of Strategic Partnerships, The Nature Conservancy
Sergio Knaebel (co-chair)	Program Officer, David and Lucile Packard Foundation
Sara Cohen	Department of Conservation and Recreation, State of Massachusetts
Elizabeth Witt	
Sandra Rodriguez	Environmental Lawyer
Darci Andresen	Northwest Account Manager/Integrated Promotions, RadyMade Magazine
Jeremy Moghtader	Director of the Organic Farmer Training Program, and Farm Manager, Student Organic Farm, Michigan State University
Monique Barry	Ford Motor Company
Katia Aviles	Doctoral Students at University of Texas
Hsunyi Hsieh	Doctoral Student, UM
Saul Alarcón	Wildlands Program Manager, Wildcoast
Stefanie Krantz	Wildlife Biologist, Garcia and Associates
Andrea Samulón	Rainforest Action Network
Claudette Juska (practicum)	
Cynthia Koenig (practicum)	
Mariana Alvarez (practicum)	
Lorcan French (practicum)	
Katie Goodall	Botany Fellow, Wellesley College
Casey Taylor	PhD Student, University of Oregon
Jesse Lewis	Independent artist and filmmaker.
Julie Cotton	Academic Specialist in Sustainable Agriculture and Food Systems, MSU
Geoffrey Michael	Manager and co-owner of Big Sky Recording Studio
Heather Briggs	PhD student at UC Santa Cruz
Bob Barretto	PhD student University of Hawaii
Andy MacDonald	PhD student at UC Santa Barbara
Kate Ennis	PhD student at University California, Santa Cruz
Stacy Mates	Nursery Manager, Ann Arbor Seed Company, Ann Arbor
Jane Skillman (2014)	Data Analysis, Ducks Unlimited

Jane Ramfert (2014) Laboratory Technician, Univ. of Wisconsin
Kevin Li (2015) Research Assistant, North Carolina State University
Kaleigh Fisher (2016) PhD student, University of California, Riverside
Elisabeth Dorgay (2016)
Jonnathan Morris (2016)
Zu D. Tan (2016)

Master Students (Committee Chair)

Current:

Bolivar Aponte (thesis)
Austin Martin (thesis)
Hailey Schurr (thesis)
Lillie Kline
Eliot Jackson (thesis)

Master Project (Faculty Advisor)

Completed:

“Toward a Sustainable Food System in
Washtenaw County, Michigan”
Beth Murphy
Lea Katz

Gary Davis
Kanakano Horigome
Michael diRamiro
Adam Martin

“Eating Our Way to a Sustainable
Future: Developing a Local Food
System in Southeastern Michigan”
Karl Buck
Laura E. Kaminski

Deirdra Stockmann
Ann J. Vail
Ken Anderson

“Re-examining the relationship between
conservation and community in
Jamaica’s Blue and John Crow
Mountains National Park: Managing for
sustainability”

Anna Ruzsai
Jesse Worker
Elizabeth Nellums
Jesse Lewis
Danielle Gartner

“Expanding Food Bank Impacts”

Alice Bowe
Kelsea Ballantyne
Rebecca Baylor
Jana Miller

“Assessing the performance of a small-scale
agroforestry projects in Nicaragua”

Beth Dorgay
Rachel Muelle
Andrew Klooster

Master Project (Faculty Advisor)

Current:

“Conservation and economic vitalization through silvopastures in Nicaragua”

Lillie Kline
Alexander Truelove
Astrid Santiago
John Andreoni

Undergraduate Honor Thesis Advisees

Joseph Mascaro
Jackie Silverman
Alex Bajcz
Maria Estelí Jiménez Soto (Universidad de Chapingo)

Other Undergraduate Advisees

Zachary Hajian-Forooshani
Ryan Kuesel
Raymond Balaguer (University of Puerto Rico, Mayaguez)
Magdalena Cruz

Courses

ENVIRON 270: Our Common Future: The Ecology, Economics and Ethics of Sustainable Development
ENVIRON 281: General Ecology
ENVIRON 316: Introduction to Food Systems
ENVIRON 318: Food, Land and Society
ENVIRON 319: Study Abroad component of Food, Land and Society
NRE 556: Field Ecology
NRE 553: Diverse Farming Systems in Theory and Practice
NRE 639: Graduate Seminar on Biodiversity in Agroecosystems; Graduate Seminar on Food Sovereignty

Professional Affiliations

Ecological Society of America; American Association for the Advancement of Science; Association of Tropical Biology and Conservation; Latin American Studies Association; International Union for the Study of Social Insects.

Editorial Duties

Review Editor for:

EcoHealth (2010 to present)

Journal of Sustainable Agriculture (2010 to present)

Ecology (2011 to present)

Ecological Monographs (2011 to present)

Myrmecological News (2012 to present)

Member of the Editorial Board of the British Ecological Society / Cambridge University Press Ecological Reviews Book Series

Manuscripts Reviewed for:

Proceeding of the National Academy of Science, Ecology Letters, Proceedings of the Royal Society B, Climate Change, Biotropica, Bulletin of Entomological Research, Nature, Ecological Entomology, Environmental Entomology, American Naturalist, Behavioral Ecology and Sociobiology, Conservation Biology, Ecology, Ecological Applications, Science, Oecologia, Oikos, Basic and Applied Ecology, Canadian Entomology, Biological Control, Agriculture Ecosystems and Environment, Ecologia Austral, Insectes Sociaux, Natural Resources and Society, Manejo Integrado de Plagas, Renewable Agriculture and Sustainable Food Systems, Agriculture and Forest Entomology, PLoS One, BioScience.

Grants Reviewed for:

National Science Foundation, National Geographic Society, Organization of Tropical Studies, Pacific Rim Research Program of the University of California, Office of the Vice President for Research of the University of Michigan, US Department of Agriculture, Latin American and Caribbean Studies Program, University of Michigan. Regular panel member for the NSF-Ecology Panel.

Other Professional Activities

Coordinator for the Conservation Ecology Field of Study, SNRE (2014-present)
Coordinating Leading Author of the International Assessment of Agricultural Knowledge, Science and Technology (IAASTD) 2006-2008
Track Chair for the Environmental Issues and Environmental Justice Track for the Latin American Association (LASA) 2006 Annual Meeting.
Secretary and Treasurer for the Agroecology Section of the Ecological Society of America (2001-2003)
Member of the New World Agriculture and Ecology Group

Outreach and Other Activities

Board Member: Pesticide Action Network-North America (2000-2002)
Board Chair: Pesticide Action Network North America (2003-2004)
Participated as keynote speaker at the Sustainable Agricultural Commission of La Via Campesina (2010 in Malaga, Spain, 2011 in Guatemala City, Guatemala)
Member for 30 years of the New World Agriculture and Ecology Group (NWAEG)
Collaborate with Dr. Luis Garcia Barrios and John Vandermeer in the development of the educational board game “Azteca Chess”, that communicates the concept of ecological complexity in agroecosystems.