

Ivette Perfecto
Curriculum Vitae

School for Environment and Sustainability, The University of Michigan
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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, Collage 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

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| January 2018 | Instructor of an intensive one-week course entitled “Complejidad Ecológica y Agroecología”, El Colegio de la Frontera Sur, San Cristóbal de las Casa, México |
| January 2017 | Instructor of an intensive one-week course entitled “Complejidad Ecológica y Agroecología”, Universidad del Valle, Cali, Colombia |
| April, 2016 | Instructor of an intensive 2-day course entitled “Complejidad Ecológica y Agroecología”, Casa Pueblo y Universidad de Puerto Rico, Recinto de Mayaguez, Adjuntas, Puerto Rico |
| January 2016 | Instructor of an intensive one-week course entitled “Biodiversity, Ecological Complexity and Agroecosystems”, Universitat degli Studi di Firenze, Florence, Italy |
| 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. |

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| 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 (Lead PI)

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| 2018-2020 | Evaluating Hurricane Damage and Resilience in Coffee Agroecosystems in Puerto Rico (USDA-NIFA) John Vandermeer and Javier Lugo, Co-PIs (\$100,000) |
| 2017-2020 | Understanding Multifunctional Landscapes Within The Model Forest of Puerto Rico (USDA-NIFA), John Vandermeer and Javier Lugo, Co-PIs (\$500,000) |
| 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. (\$150,000)
- 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. Iverson*, A, D. Jackson, R. Burnham, I. **Perfecto** , N. Vandenberg*, J. Vandermeer. *In press*. Species complementarity in two myrmecophilous lady beetle species in a coffee agroecosystem: implications for biological control. *BioControl*.
2. Simao*, M. C., J. Matthijs and I. **Perfecto**. *In press*. Experimental small-scale floral patches increase species density but not abundance of small urban bees (Hymenoptera: Apoidea). *Journal of Applied Ecology*.
3. Vandermeer, J. and I. **Perfecto**. *In press*. Ecological complexity in the Rosennean framework. *Ecological Complexity*.
4. Fisher*, K., and I. **Perfecto**. 2017. Phenological floral resource complementarity explains patterns in bee abundance. *Ecological Applications* 27(6): 1815-1826
5. Morris*, J. R., E. Jiménez-Soto*, S.M. Philpott and I. **Perfecto**. 2017. Ant-mediated biological control of the coffee berry borer (*Hypothenemus hampei* Ferrari): diversity, ecological complexity, and conservation biocontrol. *Myrmecological News* 26: 1-17.
6. Vandermeer, J. and I. **Perfecto**. 2017. Ecological complexity in agroecosystems: seven themes from theory. *Agroecology and Sustainable Food Systems* 41(7): 697-722.
7. Yitbarek*, S., J. Vandermeer and I. **Perfecto**. 2017. From insinuator to dominator: foraging switshing by an exotic ant. *Diversity and Distributions* 23: 820-827.
8. Garcia-Barrios, L., J. Cruz-Morales, J., Vandermeer, and I. **Perfecto**. 2017. The Azteca Chess Experience: Learning how to share concepts of ecological complexity with small coffee farmers. *Ecology and Society* 22(2): 37. ***Winner of the Best Paper of Ecology and Society Award of 2017.**

9. Monagan*, I., J. Morris*, A. Davis-Robosky, I. **Perfecto** and J. Vandermeer. 2017. Anolis lizards as biocontrol agents in mainland and island agroecosystems. *Ecology and Evolution* 7: 2193-2203.
10. Vaidya*, C., M. Cruz*, R. Kauzel*, D. J. Gonthier*, A. L. Iverson*, K. K. Ennis* and I. **Perfecto**. 2017. Local and landscape constrains on coffee leafhopper diversity. *Journal of Insect Science* 17(2): 38; 1-7 (doi: 10.1093/jisesa/iew127).
11. Li*, K., Y. He*, S. K. Campbell*, S. Colborn*, E. L. Jackson*, A. Martin*, I. V. Monagan*, W. Y. Ong* and I. **Perfecto**. 2017. From endogenous to exogenous pattern formation: Invasive plant species changes the spatial distribution of a native ant. *Global Change Biology* 23: 2250-2261. DOI: 10.1111/gcb.13671
12. Wittman, H., D. J. Abson, R. Bezner Kerr, J. Blesh, M. J. Chappell, J. Hanspach, I. **Perfecto** and J. Fischer. 2017. A socioecological perspective on harmonizing food security and biodiversity conservation. *Regional Environmental Change* 17 (5): 1291:1301. doi 10.1007/s10113-016-1045-9
13. 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. Tschardtke, S. Van Bael, C. J. Whelan, and K. Williams-Guillén*. 2016. Bird and bat predation services in tropical forestry and agroforestry landscapes. *Biological Reviews* 91(4): 1081-1101.
14. Morris*, J. R. and I. **Perfecto**. 2016. Testing the potential for ant predation of immature coffee berry borer (*Hypothenemus hampei*) life stages. *Agriculture, Ecosystems and Environment* 233: 224-238.
15. Hajian-Forooshani*, Z., I. S. Rivera Salinas*, E. Jimenez-Soto*, I. **Perfecto** and J. Vandermeer. 2016. Impact of regionally distinct agroecosystems communities on the potential for autonomous control of the coffee leaf rust. *Environmental Entomology* 45 (6): 1521-1526. doi: 10.1093/ee/nvw125.
16. 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. 2016. The doubt promise of beef production to environmental conservation: Response to Oliveira Silva. *Nature Climate Change* 6: 893-894.
17. Garcia-Barrios, L., J. Vandermeer, and I. **Perfecto**. 2016. Ecological Complexity Game; Shade Coffee; Educational Board-Game; Autonomous Pest Control; Trait mediated interactions. *Agriculture, Ecosystems and Environment* 232 (2016): 190-198.
18. Li*, K., J. Vandermeer and I. **Perfecto**. 2016 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* 3: 160073.

19. 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.
20. 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.
21. **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.
22. 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.
23. 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.
24. 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.
25. **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.
26. 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
27. 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
28. 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.
29. 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.
30. 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

31. 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.
32. 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.
33. 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.
34. 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)
35. 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.
36. 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.
37. 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.
38. 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](https://doi.org/10.1007/s10526-013-9541-z))
39. 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. Tscharntke, 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.
40. Marin*, L. and I. **Perfecto**. 2013. Spider diversity in agroecosystems: the influence of agricultural intensification and aggressive ants. *Environmental Entomology* 42: 204-213.
41. **Perfecto**, I. and J. Vandermeer. 2013. Ant assemblages on a coffee farm: spatial mosaic versus shifting patchwork. *Environmental Entomology* 42: 38-48.
42. Vandermeer, J. and I. **Perfecto**. 2013. Complex traditions: Intersecting theoretic frameworks in agroecological research. *Agroecology and Sustainable Food Systems* 37: 76-89.

43. 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)
44. 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>
45. **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.
46. 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.
47. Hsieh*, H. and I. **Perfecto**. 2012. Ecological impacts of phorid parasitoids on ant communities. *Psyche*, doi:10.1155/2012/380474
48. 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
49. 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>)
50. 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.
51. Fisher, J., P. Batáry, K. Bawa, L. Brussard, M. H. Chappell, Y. Clough, G. C. Daily, J. Dorrough, 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.
52. **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.
53. 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.

54. 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.
55. Tschardt, T., Y. Clough, S. A. Bhagwat, H. Faust, D. Hertel, D. Hölscher, J. Jührbandt, 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.
56. William-Guillén*, K. and I. **Perfecto**. 2011. Insectivorous Bats Demonstrate Variable Responses to Agricultural Intensification in a Neotropical Agroforestry System. *PloS ONE* 6: e16502.
57. **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
58. 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
59. **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.
60. 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.
61. Vandermeer, J., I. **Perfecto** and N. Schellhorn. 2010. Propagating sinks, ephemeral sources and percolating mosaics: Conservation in landscapes. *Landscape Ecology* 25: 509-518.
62. Jha*, S., J. Vandermeer, and I. **Perfecto**. 2009. Population dynamics of *Coccis viridis*, a ubiquitous ant-tended agricultural pest, assessed by a new photographic method. *Bulletin of Insectology* 62: 183-189.
63. 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.
64. 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.
65. Allen*, D., J. Vandermeer and I. **Perfecto**. 2009. Are Islands really habitat Islands? *Forest Ecology and Management* 258: 2033-2036.

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21. Vandermeer, J. and **I. Perfecto.** 1995. Slicing up the rain forest on your breakfast cereal. *The Humanist.* September/October 1995: 24-30.
22. **Perfecto, I.**, M.A. Mallona, I. de la Cerda and J.H. Vandermeer. 1994. Los recursos terrestres del Caribe nicaragüense: hacia una filosofía de sostenibilidad (Natural

- resources of Nicaragua's Caribbean Coast: toward a philosophy of sustainability). *Wani* 15: 46-59.
23. Global Exchange Delegation Members (8 members). 1993. Sustainable agriculture: The Cuban experiment. *Global Pesticide Campaigner* 3 (4): 1, 8-10.
 24. **Perfecto, I.** and B. Velázquez. 1992. Farm workers: amongst the least protected. *EPA Journal* 18: 13-14.
 25. Vandermeer, J. H., I. **Perfecto** and D. Boucher. 1991. Conservation in Nicaragua and Costa Rica: indirect consequences of social policy. *International Ecology Conference Bulletin* (INTECOL) 20: 2-3.
 26. Vandermeer, J. H., I. **Perfecto**, M. Reeves, and N. Zamora. 1991. Los bosques costeños tres años después del huracán Joan. (The Caribbean forests of Nicaragua, three years after Hurricane Joan). *Wani* 11: 78-102.
 27. Benítez, J. and I. **Perfecto**. 1990. Patrón de distribución de hormigas en diferentes sistemas de café. (Ants distribution in various coffee systems). *Agroecología Neotropical*. 1: 11-15.
 28. Vandermeer, J., D. Boucher, I. **Perfecto**, L. Roth, T. Will and W. K. Yih. 1990. Los bosques devastados de Bluefields: Segunda expedición (The devastated forests of Bluefields: Second expedition). *Wani* 8: 60-73.

Book Reviews

1. **Perfecto, I.** 2007. Applying Nature's Design. Corridors as Strategies for Biodiversity Conservation, by A. B. Anderson and C. N. Jenkins. *Environmental Conservation* 34 (1): 86.
2. **Perfecto, I.** 2003. Ecoagriculture: Strategies to Feed the World and Save Wild Biodiversity, by J. A. McNeely and S. J. Scherr. *Ecology* 84: 3100-3102.
3. **Perfecto, I.** 1996. A Cautionary Tale: Failed U.S. Development Policy in Central America, by M.E. Conroy et al., and Bittersweet Harvests for Global Supermarkets: Challenges in Latin America's Agricultural Export Boom by L.A. Thrupp. *Natural Resources and Society*
4. **Perfecto, I.** 1994. Crop Ecology, by R.S. Loomis and D. J. Connors. *Ecology* 75: 573-574.
5. **Perfecto, I.** 1991. A Race to Save the Tropics, by R. Goodland. *Endangered Species Update* 8 (11): 5.

Manuscripts Currently in Revision (accepted with revisions)

1. Iverson*, A., D. Gonthier, D. Pak*, K. Ennis, R. Burnham, I. **Perfecto**, M. Ramos Rodriguez, J. Vandermeer. A multifunctional approach to resolving a key dilemma in biodiversity conservation and farmer livelihood. Submitted to *Proceedings of the Royal Society B* (9, 2017).
2. Iverson*, A., R. Burnham, I. **Perfecto**, N. Vandenberg*, J. Vandermeer. Lady beetle, *Diomus* sp. (Coleoptera: Coccinellidae), exploits an ant-protected agricultural pest through chemical mimicry. Submitted to *Ecologia Experimentalis et Applicata* (1/2017).

3. Allen, D., A. Strayer, C. W. Dick, I. **Perfecto** and J. Vandermeer. Mesophication of a transitional oak-hickory forest in southeastern Michigan. Submitted to: *Canadian Journal of Forest Research* (10/2017).
4. Gonthier, D.J., A. Iverson, M. Dennis, I. **Perfecto**. Agricultural intensification shifts overlaps and collapses ant trophic widths. Submitted to *Proceedings of the Royal Society B*. (10/2017)
5. Gonthier, D.J., R. Kousel and I. **Perfecto**. The pest suppression services of ant diversity are enhanced by herbivore biodiversity. Submitted to *Journal of Applied Ecology*. (11/17) *PeerJ PrePrints* 1:e151v1 <https://dx.doi.org/10.7287/peerj.preprints.1509v1>
6. **Perfecto**, I. and J. Vandermeer. Antagonism between *Anolis* spp. and *Wasmannia auropunctata* in coffee farms on Puerto Rico: Potential complications for biological control of the coffee berry borer. Submitted to *Caribbean Journal of Science* (4/2017).

Manuscripts in Review

1. Soto-Pinto, L., M. E. Jimenez-Soto*, I. Perfecto, S. M. Philpott, J. Vandermeer. La multifuncionalidad del sistema de café con sombra en América Latina. Submitted to *Revista Chapingo Serie Ciencias Forestales y del Ambiente* (2/2017).
2. Gonthier*, D., R. Kuezel*, and I. **Perfecto**. Pest suppression by ant biodiversity is enhanced by herbivore biodiversity. Submitted to *Journal of Applied* (11/2015)
3. Yitbarek*, S. J. Vandermeer, R. Balaguer*, M. Cruz*, y I. **Perfecto**. Priority effects: slowness as an ecological strategy for invasiveness. Submitted to *Environmental Entomology* (6/2016).
4. Yitbarek*, S., I. **Perfecto** and J. Vandermeer. Competitive release from its native range does not predict invasive success of a globally dominant exotic ant species. Submitted to *Ecology* (12/2017)
5. Simao*, M. C. and I. **Perfecto**. Experimental small-scale flower patches increase species density but not abundance of small urban bees. Submitted to *Journal of Applied Ecology* (2/2018)
6. **Perfecto**, I., M. E. Jimenez Soto, and J. Vandermeer. Coffee Landscapes Shaping the Anthropocene: A Socio-Ecological Portrait of Coffee Plantations in the Soconusco Region of Chiapas, Mexico. Submitted to *Current Anthropology* (2/2018)
7. Blesh, J, L. Hoey, H. Fridman, A. Jones and I. **Perfecto**. Development pathways toward “zero hunger”. Submitted to *World Development* (2/2018)

Manuscripts in Preparation (first draft completed)

1. Simao*, M. C. and I. **Perfecto**. Urban heat island effect and pollinators increase food production and stability in urban agriculture.
2. Silva*, E. N. and I. **Perfecto**. Coexistence of aphid predators in cacao plantations: does ant-aphid mutualism play a role?

3. Gonthier*, D. J., A. L. Iverson*, M. Dennis and I. **Perfecto**. Agricultural intensification alters ant trophic resource use.
4. Vandermeer, J. I. **Perfecto**, P. Rohani and T. James. The coffee rust disease in Latin America: The need for ecological thinking.
5. Hsieh*, S. and I. **Perfecto**. Effect of trait-mediated indirect interactions on a consumer-resource system.
6. Hsieh*, S., J. Morris and I. **Perfecto**. How widespread are cascading trait-mediated effects in arthropod communities?
7. Ennis, K., J. Vandermeer and I. **Perfecto**. Keystone competitor creates spatial patterns of biodiversity.
8. Jackson, E., S. M. Philpott and I. **Perfecto**. Ants in the city: The ecology of ants in the urban environments.
9. Vandermeer, J., I. **Perfecto**, M. Sheffer and J. D. van der Ploeg. A framework for examining “the food question”: ecological syndromes of production and alternative rural economies.
10. Vandermeer, J. and I. **Perfecto**. Interference with ecosystem function in an organic coffee farm: Ecological blowback from an emergency management decision.

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

- 2018 **Plenary /Key Note Speaker:**
“Building sustainable food systems with agroecology”, Issues in the Public Square, Norbert O. Schedler Honors College at the University of Central Arkansas, Conway, AK (April 7, 2018)
- 2017 **Plenary /Key Note Speaker:**
“La agroecología frente al muro”, Encuentro de l@s Zapatistas y ConCiencias para la Humanidad: La Ciencia frente al Muro. CIDECI, San Cristobál de las Casa, Mexico (Dec 26-30, 2017)
“Sistemas diversificados en América Latina: Potencial para la alimentación y otros servicios ecosistémicos”, Congreso Internacional de Servicios Ecosistémicos en el Neotrópico (CISEN V), Oaxaca, Mexico (November 14-16, 2017)
“Land sparing and land sharing: can we have both? A debate with Ben Phalan. Association of Tropical Biology and Conservation, Annual Meeting, Merida, Mexico (July 9-14, 2017)
“Complejidad Ecológica en el Agroecosistema de Café” Coloquio de Ecología y Café, Universidad del Valle, Calí, Colombia (January, 19-20, 2017)

Invited Symposium Speaker:

“Patchy Anthropocene: Frenzies and Afterlives of Violent Simplifications” A Wenner-Gren Symposium, Sintra, Portugal,

- “Coffee landscapes: forced simplifications on complex systems”
(September 8-14, 2017)
- “Sustainable Development Goals, Can ecologists Help Them Transform Our World?, ESA Annual Meeting, Portland, OR, “Ending hunger and achieving food security through agroecology” (August 6-11, 2017)
- “Eliminating the false dichotomy: the importance of human-modified landscapes for conservation plans”, ATBC Annual Meeting, Merida, Mexico, “The agroecological approach for the conservation of biodiversity at the landscape level” (July 9-14, 2017)

Invited Seminar Speaker:

- Center for Latin American Studies Speaker Series, University of Chicago, “Coffee landscapes in the Anthropocene: a socio-ecological approach of coffee in Latin America” (February 12, 2018)
- Distinguished Ecologists Series, Colorado State University, “Agroecology and food sovereignty for poverty reduction and biodiversity conservation” (March 8, 2017), and “Complex ecological interaction and biological control” (March 9, 2017)

2016

Plenary/Key Note Speaker:

- “Ecología como Ciencia y como Componente de las Cosmovisiones” Encuentro de l@s Zapatistas y las Con-Ciencias para la Humanidad, CIDECI, San Cristobal de las Casas, México (December 26, 2016-January 4, 2017)

Invited Symposium Speaker:

- “Ecosystem services in shaded coffee systems” Symposium on Shade Coffee: Coffee, Agroecology and Agroforestry, University of Puerto Rico, Rio Piedras, Puerto Rico (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 caso 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. Sa 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)
 “Biodiversity in the coffee agroecosystem”
 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. Armbrrecht),
Annual Meeting of the International Union for the Study of Social
Insects, Washington, DC.

Invited Organized Oral Session Speaker:

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

Post Doctoral Fellows

Kimberly Williams-Guillén (2006-2008)

Current activity:

Director of Conservation Science, Paso
Pacífico

Dr. Jarvas Queiroz (2007-2008)

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

Graduate Students

Ph.D. Students (Committee Chair)

Graduated:

Dr. Patrick Christie (1999)

Current activity:

Associate Professor (U. of Washington)
Investigador Titular A (ECOSUR, Mexico)
(equivalent to Associate Professor)

Dr. Helda Morales (2000)

Dr. Brent Blair (2002)

Associate Professor (Xavier University)

Dr. Thomas V. Dietsch (co-chair) (2003)

Migratory Bird Biologist (US Fish and
Wildlife)

Dr. Inge Armbrrecht (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 Feriá
Santa Ana, Bahia, Brazil

Dr. Shinsuke Uno (2007)

Lecturer, Hosei University, Japan

Dr. Linda Marin (2014)

Postdoctoral Fellows, Colegio de la Frontera
Sur, San Cristobal, Chiapas, Mexico

Dr. David Gonthier (2014)

Assistant Professor, University of Kentucky,
Luiville, KY

Dr. Hsunyi Hsieh (2015)

Data Scientists Offices, Royal Belgian
Institute of Natural Sciences

Maria Carolina Simao (2016)

Independent Environmental Data Consultant

Current:

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

Dana Roth

Erika Schreder

Bruce Ferguson

Virginia Nickerson

Katie Richter

Shinsuke Uno

Alexandre Mas

Sergio Knaebel (co-chair)

Sara Cohen

Elizabeth Witt

Sandra Rodriguez

Darci Andresen

Jeremy Moghtader

Monique Barry

Current activity:

Director of Environmental Program (Peace Corps, Nicaragua)

unknown

Associate Professor (U. of Washington)

Associate Professor (Xavier University)

Associate Professor (Carnegie-Mellon)

unknown

Southwest Assistant Regional Director for Science Applications, Landscape Conservation Cooperative, US Fish and Wildlife

Staff Scientist, Washington Toxics Coalition, Seattle, Washington

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

Outreach Coordinator, Center for Sustainable Agriculture, University of Vermont

Lecturer, Hosei University, Japan

Director of Strategic Partnerships, The Nature Conservancy

Program Officer, David and Lucile Packard Foundation

Department of Conservation and Recreation, State of Massachusetts

Environmental Lawyer

Northwest Account Manager/Integrated Promotions, RadyMade Magazine

Director of the Organic Farmer Training Program, and Farm Manager, Student

Organic Farm, Michigan State University

Ford Motor Company

Katia Aviles
Hsunyi Hsieh
Saul Alarcón
Stefanie Krantz
Andrea Samulón
Claudette Juska (practicum)
Cynthia Koenig (practicum)
Mariana Alvarez (practicum)
Lorcan French (practicum)
Katie Goodall
Casey Taylor
Jesse Lewis
Julie Cotton

Geoffrey Michael

Heather Briggs
Bob Barretto
Andy MacDonald
Kate Ennis

Stacy Mates

Jane Skillman (2014)
Jane Ramfert (2014)
Kevin Li (2015)

Kaleigh Fisher (2016)

Elisabeth Dorgay (2016)
Jonnathan Morris (2016)
Zu D. Tan (2016)
Lillie Kline (2016)
Hailey Schurr (2016)
Eliot Jackson (2017)

Master Students (Committee Chair)

Current:

Bolivar Aponte (thesis)
Austin Martin (thesis)
Kris Harmon (thesis)
Sarah Barney (thesis)
Jessica Robinson
Fern MacDougal (thesis)
Iris Seraeny Rivera Salinas (thesis)
Hagan Capnerhurst (thesis)

Doctoral Students at University of Texas
Doctoral Student, UM
Wildlands Program Manager, Wildcoast
Wildlife Biologist, Garcia and Associates
Rainforest Action Network

Botany Fellow, Wellesley College
PhD Student, University of Oregon
Independent artist and filmmaker.
Academic Specialist in Sustainable
Agriculture and Food Systems, MSU
Manager and co-owner of Big Sky
Recording Studio
PhD student at UC Santa Cruz
PhD student University of Hawaii
PhD student at UC Santa Barbara
PhD student at University California, Santa
Cruz
Nursery Manager, Ann Arbor Seed
Company, Ann Arbor
Data Analysis, Ducks Unlimited
Laboratory Technician, Univ. of Wisconsin
Research Assistant, North Carolina State
University
PhD student, University of California,
Riverside

Princejon Pruitt (thesis)

Master Project (Faculty Advisor)

Completed:

“Toward a Sustainable Food System in Washtenaw County, Michigan” (2004)

Michael diRamiro
Adam Martin
Beth Murphy
Lea Katz
Garry Davis
Kanakano Horigome

“Eating Our Way to a Sustainable Future: Developing a Local Food System in Southeastern Michigan” (2006)

Laura E. Kaminski
Deirdra Stockmann
Ann J. Vail
Ken Anderson
Karl Buck

“Re-examining the relationship between conservation and community in Jamaica’s Blue and John Crow Mountains National Park: Managing for sustainability” (2008)

Anna Ruzsai
Jesse Worker
Elizabeth Nellums
Jesse Lewis
Danielle Gartner

“Expanding Food Bank Impacts” (2015)

Alice Bowe
Kelsea Ballantyne
Rebecca Baylor
Jana Miller

“Assessing the performance of a small-scale agroforestry projects in Nicaragua” (2016)

Beth Dorgay
Rachel Muelle
Andrew Klooster

“Conservation and economic vitalization through silvopastures in Nicaragua”

Lillie Kline
Alexander Truelove
Astrid Santiago
John Andreoni

Master Project (Faculty Advisor)

Current:

“Bijagual river watershed, Costa Rica: Improving watershed health and

engaging local communities in monitoring and outreach”

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

Undergraduate:

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

Graduate:

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, Nature, Nature Sustainability, Science, 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, Biological Conservation

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 37 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.
Participant for three consecutive years in BioBlitz D-Town Farm (2015-2017)