

VIVIAN VALENCIA

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EDUCATION

- University of Michigan** Ann Arbor, MI
Postdoctoral Research Fellow in Agroecology and Food System Sustainability Nov. 2015-Present
Preparing Future Faculty Seminar May 3-June 2, 2016
- Columbia University** New York, NY
Ph.D. in Ecology and Evolutionary Biology May 2015
M.Phil. in Ecology and Evolutionary Biology October 2012
Advisors: Shahid Naeem and Paige West
- University of Bergen** Bergen, Norway
“Food as a Global Development Challenge” Summer Research School June 17-29 2013
“Food Production from Aquatic and Terrestrial Ecosystems” course
- Global Governance School, German Development Institute (DIE)** Bonn, Germany
Certificate in Managing Global Governance July 2009
- Academic and dialogue-oriented training provided a unique exchange and learning opportunity for 20 participants from emerging powers (Mexico, Brazil, China, India, Egypt, South Africa, and Indonesia) on the challenges of creating a sustainable, equitable, and effective global governance architecture. Elected **spokesperson** of the group.
- Foreign Service Academy, German Federal Foreign Office** Berlin, Germany
Certificate in Diplomacy and Negotiation Techniques March 2009
- International training brought together diplomats and internationally oriented executives from governments and think tanks from emerging powers and introduced to 21st century diplomacy and negotiation techniques.
- Johns Hopkins University** Baltimore, MD
M.H.S. in Environmental Health May 2007
Risk Sciences and Public Policy Certificate
Thesis: “DDT: Maximizing Benefits in Malaria Control, Reducing Environmental and Health Risks”
- University of Florida** Gainesville, FL
B.S. in Biology and B.A. in French August 2006
Semester abroad to study French in La Sorbonne, Paris

PUBLICATIONS

- Barrios, E., **Valencia, V.**, Brauman, A., Hairiah, K., Jonsson, M., Mortimer, P., Muhamad, D. *In review*.
Links between tree-crop systems, biodiversity and ecosystem services in agricultural landscapes:
Evidence from three continents. *Biodiversity Conservation*.
- Valencia, V.**, S. Naeem, L. García-Barrios, P. West, and E. J. Sterling. 2016. Conservation of tree species
of late succession and conservation concern in coffee agroforestry systems. *Agriculture, Ecosystems &
Environment* 219:32–41.
- Valencia, V.**, P. West, E. J. Sterling, L. García-Barrios, and S. Naeem. 2015. The application of farmers'
knowledge in coffee agroforestry management and its implications for the conservation of tree
biodiversity. *Ecosphere* 6:art122.
- Valencia, V.**, L. García-Barrios, P. West, E. J. Sterling, and S. Naeem. 2014. The role of coffee
agroforestry in the conservation of tree diversity and community composition of native forests in a
Biosphere Reserve. *Agriculture, Ecosystems & Environment* 189:154–163.

Echaniz G., Garibay, V., Lopez, M., **Valencia, V.** Evaluación de Impactos en Salud por Contaminantes Atmosféricos. 2007. Instituto Nacional de Ecología. México D.F., México. ISBN 978-607-8246-35-9. http://www.ine.gob.mx/descargas/calair/2007_guia_eval_impac_salud.pdf

KEY SCHOLARSHIPS & GRANTS

- Bill and Melinda Gates Millennium Scholarship, estimated over \$250,000 2001-2013
Full funding of bachelor, master and doctoral degrees.
 - British Chevening Scholarship by British Council in Mexico, *declined* 2009
Awarded for full funding (tuition & stipend) for one academic year in the United Kingdom.
- Columbia University, Graduate School of Arts and Sciences** New York, NY
- Summer Teaching Scholar for course “Ecological Perspectives on Food Production,” \$4,650 2014
Awarded to design and teach a course of my own devising.
 - International Travel Fellowship Fall 2013 & 2014
Awarded \$12,168 on two separate occasions to conduct field research for dissertation.
 - Earth Institute Travel Grant 2012 & 2013
Awarded \$750 on two separate occasions in support of field research for dissertation.
 - Institute of Latin American Studies Pre-dissertation Travel Grant, \$1,200 2011
 - Graduate Student Advisory Council Research Student Travel Grant, \$500 2011
 - Ecology, Evolution, and Environmental Biology Pre-dissertation Summer Award, \$2,500 2010

KEY CONFERENCES & WORKSHOPS

Oral Presentation “Ecological and Social Drivers of Tree Diversity in Coffee Agroforestry Systems.” *Agroforestry in Action Webinar Series*, organized by University of Missouri. September 28, 2016.

Co-facilitated “Open Situation Room.” *Global Diplomacy Lab 4 “Do the ends justify the Means? The Significance of International Law and Moral Standards in Diplomacy.”* Berlin, Germany. June 9-12, 2016. Initiative of German Federal Foreign Office. **Organized and moderated** webinar “Responsibility to Protect: Theories and Tools in Global Diplomacy” on May 9, 2016.

Moderated “United Actors” Impact session. *5th World Responsible Leaders Forum*. Munich, Germany. May 19-22, 2016.

Oral Presentation “Biodiversity conservation in coffee agroforestry systems.” *Alliance of Women in Agroecology*. Puerto Rico, USA. April 13-17, 2016.

Global Diplomacy Lab 3 “Status: unresolved! Designing migration policies for the future.” Berlin, Germany. Nov. 5-8, 2015. Initiative of German Federal Foreign Office. **Organized and moderated** two-part webinar series “Global Perspectives on Migration” on October 27 and 29, 2015.

Organized and moderated workshop “How to bridge science and diplomacy” for International Futures Training for International Diplomats, Foreign Service Academy. Berlin, Germany. October 19, 2015.

Poster Presentation “The Role of Coffee Agroforestry in the Conservation of Tree Diversity and Community Composition in Native Forests.” *Tropentag 2015*. Berlin, Germany. Sept. 16-18, 2015.

Global Diplomacy Lab 2 “Fragmentation vs. Integration: Towards a More Inclusive Global Order.” Istanbul, Turkey. June 4-7, 2015. Initiative of German Federal Foreign Office.

Oral Presentation “The role of coffee agroforestry in the conservation of forest tree diversity and community composition.” *World Congress on Agroforestry*. New Delhi, India. February 10 – 14, 2014. Included research trip to the Western Ghats to visit shade coffee plantations. Awarded full scholarship by congress.

“From Farm to Fork” Sustainability in the food chain. Swedish American Chamber of Commerce Annual Green Summit. New York City, USA. October 23, 2013.

Oral Presentation “Social and Ecological Drivers of Tree Diversity in Coffee Agroforests.” *Penn, Princeton, Rutgers and Columbia Ecology and Evolution Student Conference*, New York City, USA. April 20, 2013.

Poster Presentation “Ecological and Social Dimensions of Tree Regeneration in Coffee Agroforestry Systems.” *American Museum of Natural History Student Conference on Conservation Science*. New York City, USA. Oct. 12-14, 2011.

Member of Climate Change Working Group *Our Common Future, Midterm Meeting of Global Young Faculty*. Essen, Germany. June 21, 2010. Panel discussion included Noble Laureate Sir Prof. John E. Sulston.

Chaired Agriculture and Food Security Working Group, *1st Managing Global Governance Conference*. German Development Institute, Bonn, Germany. April 12-15, 2010.

Keynote Speaker “Ndoki and Ebola: A landscape approach to disease risk and conservation.” *1st Congress of Disease Ecology and Conservation Medicine*. Veracruz, Mexico. Nov. 4-6, 2009. Attended in representation of EcoHealth Alliance.

Oral Presentation “DDT in Malaria Control: Maximizing Benefits, Reducing Risks” and **Chaired** session “Ecosystem multidimensional perspectives to viral infectious diseases.” *International EcoHealth Forum 2008*. Merida, Mexico. Dec. 1-5, 2008.

Full scholarship “in recognition of academic merits and contributions to the field of EcoHealth.”

Delegate for the Institute of Ecology at the National Autonomous University of Mexico (UNAM). *International Union for Conservation of Nature World Conservation Congress*, Barcelona, Spain. Oct. 5-14, 2008.

Member of Expert Workshop on the Development of Indicators for Health & Well-being of Communities dependent on Ecosystems, carried out jointly by United Nations Environment Program World Conservation Monitoring Centre and the World Health Organization, Geneva, Switzerland. June 12-13, 2008.

Poster Presentation “DDT: Maximizing Benefits in Malaria Control, Reducing Environmental and Health Risks” presented in Spanish. *3rd Research Forum on Persistent Organic Pollutants in Mexico*, Mexico City, Mexico. May 20-21, 2008.

Poster presentation “DDT: Maximizing Benefits in Malaria Control, Reducing Environmental and Health Risks.” *2nd International Conference on Health and Biodiversity COHAB2*, Galway, Ireland. Feb. 25-28 2008. Full scholarship sponsored by Africa Fighting Malaria and COHAB2

TEACHING EXPERIENCE

Universidade Federal de Santa Catarina	Curitiba, Brazil
Guest Lecturer in “Agroecology” (in Portuguese)	March 17, 2016
University of Michigan, School of Natural Resources and the Environment	Ann Arbor, MI
Guest Lecturer in “Agroecosystem Management: Nutrient Cycles and Soil Fertility”	Feb. 25, 2016
Columbia University, Graduate School of Arts and Sciences	New York, NY
Instructor, “Ecological Perspectives on Food Production”	May – June 2014 & 2015
Teacher Assistant, “Food, Ecology and Globalization”	Jan. – May 2013
Teacher Assistant, “Environmental Biology I”	Sept. – Dec. 2011
Teacher Assistant, “Disease Ecology”	Sept. – Dec. 2010

PROFESSIONAL EXPERIENCE

Global Diplomacy Lab, Federal Foreign Office Berlin, Germany
Visiting Scholar Sept. – Nov. 2015

- Led on study on how to bridge scientific and expert participation with diplomacy and policymaking.
- Organized and moderated a workshop on the role of science in diplomacy for the training course “International Futures” for diplomats in the Foreign Service Academy.

Food and Agriculture Organization of the United Nations (FAO) Rome, Italy
Visiting Researcher April 2009 – June 2009

- Identified and analyzed climate change adaptation strategies and their implications for food security

for smallholders in Mexico.

- Advised Mexican government officials on integrating study findings in government policies and programs.

National Institute of Ecology and Climate Change (INECC), Mexican Ministry of the Environment and Natural Resources (SEMARNAT)

Climate Change Program

Consultant

Mexico City, Mexico

July 2008 – Dec. 2008

- Conducted literature review of the role of biodiversity and ecosystem services in climate change adaptation as it relates to food security, the buffering of natural disasters, and the regulation of infectious diseases.
- Identified strategies and policies that integrate climate change adaptation measures with nature conservation, ecosystem management, agriculture, and sustainable development programs.
- Advised INECC researchers in how to present results to high-ranking government officials.

Air Quality Research Unit

Consultant

Mexico City, Mexico

July 2007 – July 2008

- Lead author of detailed guide describing health impact assessment methodology for air pollutants.
- Trained personnel to use methodology.

Mexican Petroleums (PEMEX), consultancy coordinated by INECC

Consultant

Mexico City, Mexico

Jan. – Mar. 2008

- Conducted health impact assessment and cost-benefit analysis associated with the reduction of sulfur in gasoline and diesel.

COMPUTER SKILLS

R statistical software, ENVI (image processing and analysis), ArcGIS, Microsoft Office.

LANGUAGE

Spanish (bilingual proficiency), French (proficient) and Portuguese (basic).

MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS

Elected Advisory Council member in Global Diplomacy Lab; Alliance of Women in Agroecology; Sociedad Científica Latinoamericana de Agroecológica (Latin-American Scientific Society of Agroecology); Professional Advancement Initiative for minority postdoctoral fellows in STEM disciplines; BMW Foundation Responsible Leaders Network, North America Chapter.