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Expertise and research interests

My primary research interest centers in the study of tropical landscapes including processes underlying their largescale dynamics. Throughout the years I developed an expertise on seed dispersal and disturbance, two processes that influence the functioning of tropical landscapes at large scales. Originally trained as a Community Ecologist I have shifted my interests to Landscape Ecology and Macroecology. Currently my work is at the intersection between these disciplines, and I seek to identify problems that can contribute to the conservation, management, and restoration of tropical landscapes.

Professional preparation

Position, Institution	Major/area	Degree, dates
Undergraduate, Universidad del Valle, Colombia	Biology	B. Sc., January 1984
Graduate, University of Florida	Zoology	M. Sc., May, 1990
Graduate, University of Florida	Zoology	Ph. D., December, 1995
Postdoctoral Institution(s)		
University of Florida	Landscape Ecology	January 1996-May 1996
Stanford University	Ecosystem Ecology	May 1996-Sep. 1997
University of New Mexico	Landscape Ecology	September 1997-Dec. 1998

Appointments

Associate Professor, Department of Biology, University of Puerto Rico-RP, 2008 - present
Assistant Professor, Department of Biology, University of Puerto Rico-RP, 2001 - 2008
Research Assistant Professor, Department of Biology, University of New Mexico, 2000 – 2001
Postdoctoral fellow, Department of Biology, University of New Mexico, 1999
NSF Minority Postdoctoral Fellow, University of Florida, Stanford University, and University of New Mexico, 1996-1998
Research Associate, OSSO, Universidad del Valle, Colombia, 1996-2002
Graduate Teaching Assistant, University of Florida, 1990-1995
Graduate Research Assistant, University of Florida, 1988
Research Coordinator, Reserva Natural La Planada-FES, Colombia, 1992-1993
Ecologist, Heritage Program-Centro de Datos para la Conservación-CVC, Colombia, 1984-1986
Products
Sutton, L. and C. Restrepo. 2013. Natural disasters, diverse economy and livelihoods in the Sierra de Las Minas, Guatemala. Journal of Latin American Geography 12: 137-164.

Ramos-Scharron, C., E. Castellanos, and C. Restrepo. 2012. The role of shallow landslides in the downslope transfer of organic matter and its implications on the residence time of carbon in a tropical mountain system. Journal of Geophysical Research - Biogeosciences 117, G03016. doi:10.1029/2011JG001838

Restrepo, C. and N. Alvarez. 2006. Landslides and their impact on land-cover in the mountains of Mexico and Central America. Biotropica 38:446-457. DOI: 10.1111/j.1744-7429.2006.00178.x

- Restrepo, C., P. Vitousek, and P. Neville. 2003. Landslides significantly alter land cover and the distribution of biomass: An example from the Ninole ridges of Hawai'i. Plant Ecology 166:131-143. DOI: 10.1023/A:1023225419111
- Brown, J. H., V. K. Gupta, B-L. Li, B. T. Milne, C. Restrepo, and G. B. West. 2002. The fractal nature of nature: Power laws, ecological complexity, and biodiversity. Philosophical Transactions of the Royal Society of London Series B-Biological Sciences 357:619-629. doi: 10.1098/rstb.2001.0993
- Restrepo, C. and P. Vitousek. 2001. Landslides, alien species, and the diversity of a Hawaiian montane mesic ecosystem. Biotropica 33:409-420. DOI: 10.1111/j.1744-7429.2001.tb00195.x

Other products

- Delgado, D., A. Galindo, M.E. Perez, T. Giray, and C. Restrepo. 2012. Forecasting the influence of climate change on agroecosystem services: Impacts on honey yields in a small-island developing state. Psyche: A Journal of Entomology, doi:10.1155/2012/951215
- Xu, L., T. Hanson, E. Bedrick, and C. Restrepo. 2010. Hypothesis tests on mixture model components with application to ecological and agricultural data. Journal of Agricultural, Biological, and Environmental Statistics 15:308–326. doi:10.1007/s13253-010-0020-z
- Allen, A., W. Pockman, C. Restrepo, and B. T. Milne. 2008. Allometry, growth, and population regulation of the desert shrub, *Larrea tridentata*. Functional Ecology 22:197-204. DOI: 10.1111/j.1365-2435.2007.01376.x
- Allen, C. R., A. S. Garmestani, T. D. Havlicek, P. A. Marquet, G. D. Peterson, C. Restrepo, C. A. Store, B. Weeks. 2006. Keystone processes and ecological organization: Evaluating alternative explanations for patterns in body size distribution. Ecological Letters 6:630-643. doi: 10.111/j.1461-0248.2006.00902.x
- Restrepo, C., N. Gómez, and S. Heredia. 1999. Anthropogenic edges, treefall gaps, and fruit-frugivore interactions in a Neotropical montane forest. Ecology 80:668-685. doi: 10.1890/0012-9658(1999)080[0668:AETGAF]2.0.CO;2

Synergistic activities

- Planning Committee Scaling UP Future of Environmental Decisions Workshop, Ecological Society of North America, 2013.
- Faculty Mentor, Sociedad Ecoambiental one of three student organizations in the College of Natural Sciences of the University of Puerto Rico-Rio Piedras, Fall 2010. The group held bimonthly meetings during which I lectured about sustainability and water issues and designed together with the students a several research and outreach activities to bring awareness about water use.
- Organizer, Symposium-workshop on Landslide Ecology A Perspective from Tropical Mountainscapes, Association for Tropical Biology and Conservation Annual Meeting, Kunming, China, July 2006. (1-day session of oral presentations, 18 speakers from 9 countries, 40 participants; 2-afternoon workhops examining the geologic and hydrologic factors underlying the formation of landslides and discussing major avenues for future research and a concept paper)
- Organizer, Symposium on Multimodality in Ecological Variables: A Theoretical Puzzle and a Statistical Challenge, University of Puerto Rico-Rio Piedras, San Juan, PR, March 2004 (3-day symposium, 10 speakers and 20 participants)

Councilor, Association for Tropical Biology, 2002-2003

Mentor, Women in Science and Engineering Program, University of New Mexico, NM, 1998

Thesis Advisees and Postgraduate-Scholars Sponsored

I am currently mentoring 1 Ph.D., 2 M.Sc., and 2 B.Sc. students at the University of Puerto Rico-RP.