

Diana L. Delgado Rivera

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### **PERSONAL INFORMATION**

Date of birth: 06/24/1985  
Place of Birth: San Juan, Puerto Rico  
Citizenship: US

### **EDUCATION**

Ph. D. Biology, University of Puerto Rico-Rio Piedras - Networks and the resilience of vine invaded tropical landscapes -Carla Restrepo (Mentor)  
B. Sc. Biology, University of Puerto Rico-Rio Piedras

### **AWARDS AND HONORS**

Honorable mention, NSF Graduate Research Fellowship Program (GRFP). April, 2010  
Research and Creativity Award for Undergraduate Students, College of Natural Sciences, University of Puerto Rico-Rio Piedras. November, 2008.  
Gustavo Candelas Award, Department of Biology, University of Puerto Rico- Rio Piedras. November, 2008  
Puerto Rico –Louis Stokes Alliance for Minority Participation’s Mentoring Undergraduate Research Program, Center for Engineering and Science, University of Puerto Rico, Summer 2007- Spring 2008  
Dean’s List, College of Natural Sciences, University of Puerto Rico-Rio Piedras, November 2006 and November 2007.  
Member of the National Honor Society of the University of Puerto Rico-Rio Piedras, December 2006 and 2007.

### **GRANTS AND FELLOWSHIPS**

DEGI - Beca Torneo de Golf de la Universidad de Puerto Rico, July 2013  
Travel Grant, Association for Tropical Biology and Conservation to participate in the 2011 Joint meeting of the Association for Tropical Biology and Conservation and the Africa Section for Conservation Biology in Arusha, Tanzania. June, 2011  
DEGI - Beca por Mérito Académico y Ejecutorias Excepcionales, August 2010  
Planet Action imagery grant, October, 2009  
Partial grant from the Inter-American Institute for Global Change Research to participate in the IAI International Summer School on Wireless Sensing Networks (WSN), University of Alberta, Alberta, Canada. July, 2009  
PR-LSAMP Fellowship-Bridge to the Doctorate Program, University of Puerto Rico. August, 2008

### **RESEARCH EXPERIENCE**

Burn severity assessment in the Okanogan-Wenatchee forest using NASA satellite missions. DEVELOP program at NASA, Ames Research Center, CA Summer, 2008

Fluctuating asymmetry and morphological variation in Puerto Rican populations of Papilionidae butterflies. Graduate Research Assistant, Tropical Large-scale Ecology Laboratory, Department of Biology, University of Puerto Rico Río Piedras, August 2008 to December, 2008

Forecasting honeybee production in Puerto Rico under scenarios of climate change. Undergraduate Research Assistant, Tropical Large-Scale Ecology Laboratory, Department of Biology, University of Puerto Rico Río Piedras, December, 2006 to May, 2008

## PUBLICATIONS

**Delgado, D.** and C. Restrepo [in prep.] Vine assemblages in tropical post-agricultural landscapes vary along complex environmental gradients.

**Delgado, D.**, J. Figueroa and C. Restrepo [in review.] Vine assemblages in a tropical island are diverse: Predicting invasiveness from multiple traits. *Diversity and Distributions*

**Delgado, D.**, A. Galindo, M.E. Perez, T. Giray and C. Restrepo. 2012. Forecasting the influence of climate change on agroecosystem services: Potential impacts on honey yields in a small-island developing state. *Psyche: A Journal of Entomology* Article ID 951215, doi:10.1155/2012/951215

Newcomer, M, **D. Delgado**, C. Gantenbein, B. Schiffman, S., C. Schmidt and J. Skiles. 2008. Burn Severity Assessment in the Okanogan-Wenatchee Forest using NASA satellite missions. ASPRS 2008 Proceedings paper.

## INVITED PRESENTATIONS

**Delgado, D.** [speaker] and C. Restrepo. 2011. Role of land-use on patterns of exotic vine dispersal in a tropical watershed. 10<sup>th</sup> Simposio Ambiental, Universidad de Puerto Rico- Cayey. [Oral presentation].

## CONTRIBUTED PAPERS - INTERNATIONAL AND US

**Delgado, D.** [speaker] and C. Restrepo. 2013. Vine assemblages in tropical post-agricultural landscapes vary along complex environmental gradients. Association of Tropical Biology and Conservation annual meeting. San Jose, Costa Rica[Oral presentation]

**Delgado, D.** [speaker], R. Arce and C. Restrepo. 2011. Understanding the large-scale pattern of exotic vine spread: Do power and telephone networks function as corridors aiding exotic vine invasion? Ecological Society of America annual meeting. Austin, Texas. [Oral presentation]

**Delgado, D.** [speaker] and C. Restrepo. 2011. Land use and the spread of invasive vines in a tropical landscape. Association for Tropical Biology and Conservation and the Africa Section for Conservation Biology joint meeting. Arusha, Tanzania.[Oral presentation]

**Delgado, D.** and C. Restrepo. 2009. Fluctuating asymmetry and morphological variation in Puerto Rican populations of Papilionidae butterflies. NSF Joint Annual Meeting. Washington, D.C. [poster]

**Delgado, D.**, A. Galindo, M.E. Perez and C. Restrepo. 2008. Forecasting honeybee production in the island of Puerto Rico under scenarios of climate change. XXXI Congreso Interamericano AIDIS. Santiago, Chile. [Poster]

Newcomer, M. [speaker], **D. Delgado**, C. Gantenbein, B. Schiffman, S. Prichard, C. Schmidt, and J. Skiles. 2009. Burn Severity Assessment in the Okanogan-Wenatchee Forest using NASA satellite missions. American Society of Photogrammetry and Remote Sensing Annual Conference. Baltimore, Maryland. [Oral presentation]

**Delgado, D.**, A. Galindo and C. Restrepo. 2007. Honeybee production in Puerto Rico under climate change. Entomology Association of America's annual meeting. San Diego, California. [poster]

**Delgado, D.** [speaker], A. Galindo and C. Restrepo. 2007. Honeybee production in Puerto Rico and the effects of climate change. The Association for Tropical Biology and Conservation's annual meeting. Morelia, Mexico. [Oral presentation]

**CONTRIBUTED PAPERS - PUERTO RICO**

- Delgado, D.** 2012. Understanding the Large-scale Pattern of Exotic Vine Spread: Do Power and Telephone Lines Aid the Spread of Exotic Vines? Quantifying sustainability in Puerto Rico: A scientific discussion, Puerto Rico Convention Center. US Environmental Protection Agency. [Oral Presentation]
- Delgado, D.**, R. Arce and C. Restrepo. 2010. Understanding the spread of exotic vines in Puerto Rico through network analysis. Puerto Rico Interdisciplinary Scientific Meeting, University of Puerto Rico- Mayaguez. [poster]
- Delgado, D.** [speaker], A. Galindo, M.E. Perez and C. Restrepo. 2009. Forecasting honeybee production in the island of Puerto Rico under scenarios of climate change. XXVIII Simposio de Flora y Fauna. Universidad de Puerto Rico- Humacao. [Oral presentation]
- Delgado, D.** and C. Restrepo. 2009. Evaluating fluctuating asymmetry in Puerto Rican species of Papilionidae family. Puerto Rico Interdisciplinary Scientific Meeting, University of Puerto Rico- Río Piedras. [poster]
- Delgado, D.** [speaker], A. Galindo and C. Restrepo. 2007. GIS as a tool for monitoring bee colonies and honeybee production in Puerto Rico. Puerto Rico Interdisciplinary Scientific Meeting, Interamerican University of Puerto Rico. [Oral presentation]

**TEACHING EXPERIENCE**

- Graduate Teaching Assistant, Advanced Topics in Ecology: Landscapes, Resilience, and Sustainability: Conceptual Basis, Methods and Practice (BIOL-6999), University of Puerto Rico- Río Piedras, Spring 2010.
- Graduate Teaching Assistant, General Ecology laboratory (BIOL-3112), University of Puerto Rico- Río Piedras. Spring 2009, Fall 2011, Spring 2012. In 2009 as part of my duties I helped design the labs and write scripts for the introduction and use of R statistical software in the lab.
- Undergraduate Tutor, Genetics (BIOL-3015), University of Puerto Rico Río Piedras, Fall 2006, Spring 2007.

**MEMBERSHIPS**

- Ecological Society of America. 2009 - present
- Association of Tropical Biology and Conservation. 2011- present
- TICATOVE: Conservation Group of Vieques Island. August 2009 - present

**SERVICE**

- Interactive demonstrations for general public-NanoScience Expo, Centro de Ingeniería y Ciencias de la Universidad de Puerto Rico, Plaza Las Americas Mall, April, 2013
- Secretary, Biology Graduate Students Association, Universidad de Puerto Rico-Río Piedras, August, 2011- May 2012.
- Workshop: Use of free software for managing citations and references. Universidad de Puerto Rico-Río Piedras, March 2012
- Exotic vines and biology. Oral presentation to Middle and High School students of Escuela de Ciencias, Matemáticas y Tecnología José Aponte de La Torre. September, 2011
- Interactive demonstrations for general public-NanoScience Expo, Centro de Ingeniería y Ciencias de la Universidad de Puerto Rico, Plaza Las Americas Mall, April, 2010
- Experiences and opportunities doing undergraduate research: Exotic vines in Puerto Rico. Oral presentation to undergraduate students participating in the NSF-Puerto Rico Louis Stokes Alliance for Minority Participation. February, 2010

Undergraduate research mentor, NSF-Puerto Rico Louis Stokes Alliance for Minority Participation.  
January, 2010 - present

Ciencia transformadora: Biología. Oral presentation to middle school students of Colegio Lourdes.  
Science week. November, 2009

TICATOVE volunteer in Vieques National Wildlife Refuge. August, 2009 - present

Fish and wildlife volunteer of Vieques National Wildlife Refuge. August, 2009 - present

### **COURSES AND WORKSHOPS**

Maxent habitat modeling workshop offered by Nadine Trahan during the Annual Meeting of the  
Association of Tropical Biology and Conservation, June 2013

Social Network Analysis by Dr. Lada Adamic of Michigan State University. Coursera. August 2012

The seven secrets of the highly successful research students by Dr. Hugh Kearns. Interamerican  
University-Bayamon. May, 2010

Wireless Sensing Networks course (WSN). Offer by the Inter-American Institute for Global Change  
Research en Alberta, Canada. July, 2009

### **SKILLS AND QUALIFICATIONS**

Trained in DIVA-GIS, ArcGIS, ERDAS Imagine, Gephi, R and S-Plus

### **LANGUAGES**

Spanish (Read, written and spoken as primary language)

English (Read, written and spoken)

Italian (Read and written; five semesters of Italian, University of Puerto Rico-Rio Piedras)