

Lorna G. Jaramillo Nieves, Ph.D., G.T.
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PROFILE:

Focus on research with emphasis on a multidisciplinary, interdisciplinary, and social relevance approach. Strong believer of the excellence in education and academia. Advocate for community development and empowerment.

RESEARCH INTEREST:

- Epistemology of science: Study of the construction of knowledge in the geological sciences.
- Ground water modeling.
- Geologic hazards and environmental geology studies.
- Application of remote sensing techniques to geologic and environmental problems.

ACADEMIC BACKGROUND:

January 1999- December 2003	University of Colorado at Boulder Doctor of Philosophy Degree in Geology <i>Remote sensing evaluation of the regional chemistry and element dispersion of porphyry copper deposits in the Silver Bell Mountains, Arizona.</i> Advisor: William Atkinson, Ph.D. https://www.colorado.edu/geologicalsciences/
August 1996- December 1998	University of Puerto Rico at Mayagüez 11 credit hours, Master in Science Advisor: Glen S. Mattioli, Ph.D. https://www.uprm.edu/geology/
August 1991- December 1995	University of Puerto Rico at Mayagüez Bachelor of Science Degree in Geology Magna Cum Laude Harry Hess Medal: Highest GPA in Class https://www.uprm.edu/geology/

FELLOWSHIPS AND SCHOLARSHIPS:

- 2003 **Bill Hiss Creativity Travel Award**
Department of Geological Science
University of Colorado, Boulder
- 2000 and 2002 **Longley, Warner & Whalstrom Scholarship**
Ph.D. Thesis Support
- 1999–2003 **American Geological Institute Minority Scholar**
Fellowship granted by the American Geological Institute for
Minority Groups enrolled in a Master and Doctoral degree.
- 1999-2002 **Alfred P. Sloan Fellowship**
Fellowship granted by the Alfred P. Sloan Foundation to
outstanding students for full tuition expenses.

PROFESSIONAL EXPERIENCE:

- July 2016 -
present **University of Puerto Rico at Río Piedras**
College of General Studies
Physical Science Department
Professor
- Contribute to departmental academic tasks, including
teaching courses, objectives development, curriculum design,
and outreach among others.
- Contribute to academic and administrative tasks within the
College of General Studies.
- Development of research projects in geology and physical
sciences and submitting grants for institutional and external
funds.
- Among other responsibilities as described by the University of
Puerto Rico Bylaws.
- July 2010 –
June 2016 **University of Puerto Rico at Río Piedras**
College of General Studies
Physical Science Department
Associate Professor
- Contribute to departmental academic tasks, including
teaching courses, objectives development, curriculum design,
and outreach among others.

Contribute to academic and administrative tasks within the College of General Studies.

Development of research projects in geology and physical sciences and submitting grants for institutional and external funds.

Among other responsibilities as described by the University of Puerto Rico Bylaws.

August 2004 –
June 2010

University of Puerto Rico at Río Piedras

College of General Studies

Physical Science Department

Assistant Professor

Contribute to departmental academic tasks, including teaching courses, objectives development, curriculum design, and outreach among others.

Contribute to academic and administrative tasks within the College of General Studies.

Development of research projects in geology and physical sciences and submitting grants for institutional and external funds.

Among other responsibilities as described by the University of Puerto Rico Bylaws.

1999- 2003

US Geological Survey

Southwest Field Office, Tucson, AZ

Geologist GS-09

Describe surficial deposits affected by erosion from active mine area by identifying alteration zones in the Silver Bell Mountains, Arizona using remote sensing techniques in the visible and infrared regions.

Refine identification criteria of alteration spectra in watersheds associated with mineralized and mined regions for environmental assessment (source, transport criteria, and mineral identification).

Reviews and assists in editing contributions to the hydrologic framework of the US-Mexico Border task.

Assists in supervisor in preparing fiscal year project fieldwork by reviewing maps, aerial photos, and satellite images; research and compile existing map information.

2001 **Waterstone Environmental Hydrology & Engineering Inc., Boulder, Colorado**
Contract Position
Translation of hydrology reports and scientific documents: Spanish to English.

1995 **Waterways Experiment Station,
US Army Corps of Engineers, Vicksburg, Mississippi**
Summer Intern
Laboratory assistant

Granulometric analysis of selected areas along the Eastern Coast region of the USA.

1992-1993 **Seismic Network of Puerto Rico,
University of Puerto Rico, Mayagüez**
Data analyst

Collection of seismic activity data from Puerto Rico and the Caribbean Plate.

CERTIFICATIONS AND LICENSES:

Geologist in Training
National Association of the State Boards of Geology
License Number 077-E

HIGHER EDUCATION TEACHING EXPERIENCE:

Fall, 2018 **Epistemological foundations of Physical Sciences
(ESGE 4186)**
College of General Studies
University of Puerto Rico, Río Piedras

Fall, 2015 -
Fall, 2017 **Interdisciplinary Topics in Physical Sciences:
Development of Chemistry (CIFI 4995)**
Physical Sciences Department
College of General Studies
University of Puerto Rico, Río Piedras

Spring, 2014 **Hydrogeology of Puerto Rico (GEOG 4041)**
Geography Department
College of Social Sciences

University of Puerto Rico, Río Piedras

Spring, 2014 -
Spring, 2015

**Energy, Conservation, and Environment
(CIFI 3036)**

Physical Sciences Department
College of General Studies
University of Puerto Rico, Río Piedras

Spring, 2010 and
Fall, 2013

Evolution of the Earth (CIFI 3026)

Team Teaching (Part of the course group creator)
Physical Sciences Department
College of General Studies
University of Puerto Rico, Río Piedras

Spring, 2009 -
present

**Interdisciplinary Topics in Physical Sciences:
Human aspects of geologic events (CIFI 4995)**
(Course creator)

Physical Sciences Department
College of General Studies
University of Puerto Rico, Río Piedras

Spring,
2007, 2009

**Foundations of Physical Sciences for Students
in the Special Education and Grade School Education
Program of the Faculty of Education (CIFI 3005)**

Physical Sciences Department
College of General Studies
University of Puerto Rico, Río Piedras

Fall 2005 and
Fall 2006

Physical Geology (CINA 4147)

Environmental Sciences Department
College of Natural Sciences
University of Puerto Rico, Río Piedras

Fall 2004 and
Summer, 2008

**Foundations and development of the physical
sciences I and II (CIFI 3001, CIFI 3002)**

Physical Sciences Department
College of General Studies
University of Puerto Rico, Río Piedras

Spring, 2004 and
Spring 2005

**Land use and management planning (CINA
4167)**

Environmental Sciences Department
College of Natural Sciences
University of Puerto Rico, Río Piedras

Spring 2001,
2002,

**Introduction to Petrology Laboratory
(GEOL 3020)**

and 2003
Geological Sciences Department
College of Art and Sciences
University of Colorado at Boulder

1997
**Geology for Engineers Laboratory
(GEOL 4015)**
Geology Department
College of Art and Sciences
University of Puerto Rico, Mayagüez

K-12 TEACHING EXPERIENCE:

Alliance for Minority Participation Summer Program
Summer, 2007 Luis Muñoz Rivera High School, Utuado, Puerto Rico
Summer, 2006 Luis Muñoz Marín High School, Yabucoa, Puerto Rico
Summer, 2005 Josefina León Zayas High School, Jayuya, Puerto Rico

Spring and
Summer 2006
Institute 2000
Geology and Environmental Problems Workshop
University of Puerto Rico, Río Piedras

MENTORING:

Fall 2019 -
Present
Characterization and Formation of Beach Rock in Puerto Rico.
Kevian A. Pérez Valentín
Doctoral Thesis
Graduate Planning School
University of Puerto Rico, Río Piedras

Fall 2016 -
Present
The Impact of Human Migration on Land Use and Water Quality
Marianne Cartagena Colón
Doctoral Thesis
Graduate Program of Environmental Sciences
College of Natural Sciences
University of Puerto Rico, Río Piedras

Spring 2014-15
Research Project: Relevance of the 1918 Earthquake in Puerto Rico for the present
Joel Soto Melecio
Undergraduate Research Experience
Program of General Studies
College of General Studies
University of Puerto Rico, Río Piedras

Spring 2014-15	Research Project: Relevance of the 1918 Earthquake in Puerto Rico for the present Elenis García Marcano Undergraduate Research Experience Program of General Studies College of General Studies University of Puerto Rico, Río Piedras
Spring 2010-11	Yabucoa Valley Agricultural Reserve: Implication analysis and recommendation for use and planning Angeliz Encarnación Burgos Master's Thesis Planning Graduate School University of Puerto Rico, Río Piedras
Fall 2008-09 Spring 2010-11	Groundwater and flow modeling of the Yabucoa Aquifer, Puerto Rico: a case study for the tropics. Ernesto Olivares and Angeliz Encarnación Burgos Research assistants Planning Graduate School University of Puerto Rico, Río Piedras
HIGHER EDUCATION ADMINISTRATIVE EXPERIENCE:	
Spring, 2019- Present	Interim Assistant Dean of Research Office if the Dean for Graduate Studies and Research University of Puerto Rico, Río Piedras
Spring, 2018- Spring, 2019	Interim Chair Department of Physical Sciences College of General Studies University of Puerto Rico, Río Piedras
Spring 2015 - Summer 2019	Editor in Chief, Umbral Journal College of General Studies University of Puerto Rico, Río Piedras Interdisciplinary peer-review journal ISSN 2151-8386 http://umbral.uprrp.edu/revista
Fall, 2011- Summer, 2013	Associate Dean of Academic Affairs College of General Studies University of Puerto Rico, Río Piedras
2009- Summer 2011	Engineering Program Coordinator College of General Studies University of Puerto Rico, Río Piedras

Task included student orientation on curriculum requirements, program administrative activities, outreach, and faculty hiring.

2008-
2009

Umbral Project Director

College of General Studies
University of Puerto Rico, Río Piedras

The Umbral project is a digital platform dedicated to the transdisciplinarity and proposes an activity of constant exchange and creation of knowledge. The platform has the purpose to promote the creation of a knowledge network and intellectual collaboration.

<http://umbral.uprrp.edu>

UNIV. OF PUERTO RICO, RIO PIEDRAS CERTIFICATIONS:

Spring semester
2019

Online module: Certification on the Construction of virtual learning environments

Center of Academic Excellence
Office of Academic Affairs

Fall semester
2017

Online module: Training on personnel matters for department directors and personnel committee

(Cert. No. 032, Year 2002-2003, Administrative Board)

CONFERENCE COORDINATIONS:

November 20-22,
2008

**Earth Sciences and Human Activity
Conference**

International Year of Planet Earth Conference

University of Puerto Rico, Río Piedras
Conference Coordinator

www.yearofplanetearth.org

April 18-25, 2007

Gaia and Climate Change, International Congress

University of Puerto Rico, Río Piedras
Program Coordinator

TECHNICAL AND SPECIALIZED SKILLS:

- Experience in grant submission to the National Aeronautics and Space Agency (NASA), the National Science Foundation (NSF), the National Endowment for the Humanities (NEH), and the Spencer Foundation.
- Knowledge in geoscience programs and software, including MODFLOW, ENVI, ArcView, Arc Info, and QGIS.
- Experience with academic platforms such as Blackboard, Edu 2.0, and Moodle.

- Experience managing digital platforms and peer journal indexing such as Latindex, REDIB, and Open Journal Systems (OJS).

LANGUAGES:

- Spanish (Native Speaker)
- English (Second language, fluent orally and written)
- French (Novice)

PROFESSIONAL AFFILIATIONS:

- Geological Society of America (GSA)
- American Geophysical Union (AGU)
- Geological Society of Puerto Rico (SGPR, for its acronym in Spanish)

COMMUNITY SERVICE

January 2020-present **Liaison between the USGS and the Puerto Rico Seismic Network**
 Coordination Resources of the Response and Recover Phase Meetings with the Puerto Rico Government after the seismic sequence of December 2019 and January 2020. [US Geological Survey Volunteer, USGS – In progress]

INTERNATIONAL COLLABORATIONS:

2020	Evaluator, Third Grant Competition, Sloan Scholar Mentoring Network https://sloan-scholars.ssrc.org/resources/grants/
2014 – 2019	Evaluator for the National Fund for Innovation and Scientific and Technological Development (FONDOCYT, for its acronym in Spanish), International System of Higher Education, Science, and Technology, Dominican Republic.
2009-2011	Editor for a Special Issue in the Environmental Geochemistry and Health, 3rd Hemispherical Conference on Medical Geology <i>Citation: Jaramillo-Nieves, L.G. and Finkelman, R., Eds., 2012, Special Issue: Current Research in Medical Geology and Environmental Geochemistry, vol. 34, no. 2, Environmental Geochemistry and Health, ISSN: 0269-4042 (Print) 1573-2983 (Online)</i>
2005	Collaborator with the Ibero-American Program for Science, Technology and Development (Programa Iberoamericano de Ciencia y Tecnología para el Desarrollo, CYTED)

COMPLETED PROJECTS:

2014 - 2018

Research on the relevance of the Puerto Rico 1918 Earthquake for today's society.

Synopsis: Research on the importance of the earthquake of 1918 in Puerto Rico through the study of historic documents.

Product: Book publication, August 2018 and presentation at the GSA Annual Meeting 2018

CURRENT PROJECTS:

July, 2019
present

One community at a time: Local History, Regional Geology, and Social Science as a Foundation for Resilience in Communities in Puerto Rico after Hurricane María

Synopsis: Research and service project for the resilience of communities in Puerto Rico after hurricane María.

Product: Documental and conference and presentation at the AGU Fall Meeting 2019

BOOKS:

Jaramillo Nieves, L.G., 2018, *El terremoto en Puerto Rico: lecciones cien años después (The Earthquake in Puerto Rico: lesson one hundred years later)*, Hato Rey, Puerto Rico, Publicaciones Puertorriqueñas. ISBN978-1-62537-282-6.

PEER REVIEW PUBLICATIONS:

Jaramillo Nieves, L.G., 2012, *Estudios de casos para la discusión de movimientos de masas e inestabilidad de taludes en el Caribe* (Case Studies for the Discussion of Mass Wasting and Slope Stability in the Caribbean), in *Deslizamientos: Efectos, evaluación y Gestión de Riesgo. Lecciones aprendidas de América Latina y el Caribe*, UNESCO, Eds. Ellis, J., Guardado Lacaba, R. Y Sánchez Boschini, I., pp. 43-54.

Jaramillo, L.G. y Ge, S., 2012, Groundwater Modeling of the Silver Bell Mountains, Arizona, USA, Environmental Earth Sciences, Vol. 66, no. 7, pp. 1933-1941. 10.1007/s12665-011-1418-9

Jaramillo Nieves, L.G., 2010, *Consideraciones sobre la vulnerabilidad en zonas urbanas de Puerto Rico ante la ocurrencia de eventos geológicos* (Vulnerability Considerations of Urban Zones in Puerto Rico due to Geologic Events), REVISTA UMBRAL, N.3 pp. 47-61 ojs.uprrp.edu/index.php/umbral ISSN 2151-8386 Universidad de Puerto Rico Recinto de Río Piedras

Mattioli, G., Jansma, P., Jaramillo, L., Smith Alan, 1996, A desktop image processing and photogrammetric method for rapid volcanic hazard mapping: application to air-photo interpretation of Mount Pelée, Martinique, Bulletin of Volcanology, vol. 58, no.5, pp.401-410.

Jaramillo, L., Mattioli, G., Jansma, P.E., Smith, A., 1995, Sector collapse in island arc volcanoes and implications for hazard assessment: a digital topographic and bathymetric investigation of Qualibou Depression, St. Lucia, Lesser Antilles, EOS Trans. Am. Geophys. Union, vol. 76, no. 17, pp. 309.

Mattioli, G., Jansma, P.E., Jaramillo, L., and Smith, A., 1995, Sector Collapse in island arc volcanoes: a digital topographic and bathymetric investigation of the Qualibou depression, St. Lucia, Lesser Antilles, Caribbean Journal of Science, vol. 31 no.3, pp.163-173.

CONFERENCE PROCEEDINGS:

Jaramillo Nieves, L.G., “Investigación sobre la relevancia del terremoto del 1918 en Puerto Rico para la actualidad” (Research on the relevance of the 1918 earthquake in Puerto Rico), VII International Symposium on General Studies, November 4-6, 2017, San Juan, Puerto Rico, in *Documentos*, No. 23, ISSN 0378 956X, pp.645-662. <http://www.rideg.org/wp-content/uploads/2015/08/memoriasvii.pdf>

Jaramillo Nieves, L.G., “Agua, el recurso universal sin un lenguaje universal. La complejidad del manejo del agua causada por las percepciones humanas” (Water, the universal resource without a universal language. The complexity of water management due to human perceptions), V International Symposium on General Studies, November 6-9, 2013, San Juan, Puerto Rico <http://www.rideg.org/wp-content/uploads/2014/04/Agua-un-recurso-universal-sin-un-lenguaje-universal-La-complejidad-del-manejo-del-agua-causada-por-las-percepciones-humanas.pdf>

Jaramillo Nieves, L.G., “Curso Temas Interdisciplinarios de la Ciencias Físicas: Aspectos humanos de los eventos geológicos, CIFI 4995” (Course: Interdisciplinary Topics in Physical Sciences: Human Aspects of Geologic Events, CIFI 4995), V International Symposium on General Studies, November 6-9, 2013, San Juan, Puerto Rico <http://www.rideg.org/wp-content/uploads/2014/04/Curso-Temas-Interdisciplinarios-de-la-Ciencias-F%C3%ADsicas-Aspectos-humanos-de-los-eventos-geol%C3%B3gicos.pdf>

SELECETED ORAL PRESENTATIONS AND PROFESSIONAL WORKSHOPS:

Jaramillo Nieves, L.G., “El terremoto en Puerto Rico, lecciones cien años después, el uso de la historia puertorriqueña para acciones de prevención en comunidades de Puerto Rico” (The 1918 earthquake in Puerto Rico, lessons one hundred years later. Using Puerto Rican history for preventive action in communities of Puerto Rico), II Symposium of Disaster Risk Management and Coping with Climate Change, in XII International Convention on Environment and Development, Havana, Cuba, July 3, 2019. <http://www.cubambiente.com/es/default/principal>

Jaramillo Nieves, L.G., “*Communicating Seismic Hazards to the General Public with the Arts and Local History in Puerto Rico*”, Geological Society of America Annual Meeting, Indianapolis, Indiana, September 6, 2018.

<https://gsa.confex.com/gsa/2018AM/webprogram/Paper320020.html>

Jaramillo Nieves, L.G., “Conversatorio sobre experiencias durante un terremoto en nuestra región de Latinoamérica y el Caribe basada en las vivencias de los panelistas”, Seminar, College of General Studies, University of Puerto Rico, Río Piedras Campus, August 31, 2016, <http://umbral.uprrp.edu/aspectos-humanos-eventos-geologicos>

Jaramillo Nieves, L.G., “Acuíferos y recursos subterráneos,” Workshop for Inspectors in the Ground Water Injection Program, Environmental Protection Agency (EPA), San Juan, Puerto Rico, August 19, 2015.

Jaramillo Nieves, L.G., “El terremoto de Japón y lecciones para Puerto Rico”, Seminar, College of General Studies, University of Puerto Rico, Río Piedras Campus, March 25, 2011. <http://umbral.uprrp.edu/terremoto-japon-lecciones-puerto-rico-o>

Jaramillo Nieves, L.G., “Cartografía de los riesgos por movimientos de laderas y taludes” (Landslide Risk Cartography), Geodynamic and Climatic Risk in the Dominican Republic and the Caribbean Workshop, University of Santo Domingo, sponsored by the Science Academy, Dominican Republic, September 6-9, 2010.

Jaramillo Nieves, L.G., Conceptual model design for the Yabucoa aquifer groundwater modeling, 25th Annual Symposium of Caribbean Geology, Geology Department, University of Puerto Rico, Mayaguez, February 24-27, 2010.

Jaramillo Nieves, L.G., Conceptual model design for the Yabucoa aquifer groundwater model, *3rd Hemispherical Conference on Medical Geology, Sponsored by the International Medical Geology Association*, Uruguay, October 13-17, 2009.

Jaramillo Nieves, L.G., “La educación general y el desarrollo del pensamiento: De la deriva continental a la teoría de tectónica de placas”, *9no Encuentro Internacional de Educación y Pensamiento*, Ponce, Puerto Rico, April 16-18, 2008

Jaramillo Nieves, L.G., “Casos seleccionados en Puerto Rico para la discusión de movimientos de masas e inestabilidad de talud” (Selected cases from Puerto Rico for the discussion of mass movement and slope stability), International Seminar: “*Estudio de la peligrosidad y gestión de riesgos por movimientos en laderas inestables*”, sponsored by UNESCO, CYTED, and INTER, Managua, Nicaragua, November 12-16, 2007

Jaramillo Nieves, L.G., “Inestabilidad de laderas: aspectos científicos y planificación” (Slope Stability: scientific and planning aspects), International Seminar: “*Estudio de la peligrosidad y gestión de riesgos por movimientos en laderas inestables*”, sponsored by UNESCO, CYTED, and INTER, Managua, Nicaragua, November 12-16, 2007

Jaramillo Nieves, L.G., Lithosphere, biosphere, and other spheres: between the Earth and evolution, 2007, International Congress: Gaia and climate change, University of Puerto Rico, Río Piedras, April 19-21, 2007.

Jaramillo Nieves, L.G., Remote sensing evaluation of regional chemistry and element dispersion of porphyry copper deposits in the Silver Bell Mountains, Arizona, 17th Caribbean Geological Conference, Geology Department, Univ. of Puerto Rico, Mayagüez, July 17-21, 2005, San Juan, P.R.

Jaramillo Nieves, L.G., Consideration of natural disasters in the Caribbean: geologic factors and implications for planning, International Seminar of Natural Disasters and Emergencies, Santo Domingo, Dominican Republic., March 17-18, 2005.

Jaramillo Nieves, L.G., Geology and physiography of Puerto Rico, Workshop for Inspectors in the Ground Water Injection Program, Environmental Protection Agency (EPA), Experimental Station, San Juan, Puerto Rico, December 2004.

POSTER PRESENTATIONS:

Jaramillo Nieves, L.G., “El terremoto en Puerto Rico, lecciones cien años después, el uso de la historia puertorriqueña para acciones de prevención en comunidades de Puerto Rico” (The 1918 earthquake in Puerto Rico, lessons one hundred years later. Using Puerto Rican history for preventive action in communities of Puerto Rico), II Symposium of Disaster Risk Management and Coping with Climate Change, in XII International Convention on Environment and Development, Havana, Cuba, July 1-5, 2019.

<http://www.cubambiente.com/es/default/principal>

Jaramillo Nieves, L.G., Atkinson, W. Jr., and Gray, F., Remote Sensing evaluation of element dispersion characteristics of porphyry copper deposits in the Silver Bell Mountains, Geological Society of America, Cordilleran Section, 99th Annual Meeting, Puerto Vallarta, Mexico, April 1-3, 2003.

PUBLICATIONS FOR THE GENERAL PUBLIC:

US Geological Survey, University of Puerto Rico, and Natural Hazards Center, Landslides Guide for Residents in Puerto Rico, https://hazards.colorado.edu/uploads/documents/PuertoRico_LandslideGuide_2020.pdf
Role in publication: Reviewer

Acevedo Vélez, G.D., Archilla pagán, L.A., Barreto Vélez, T., Castillo Carrasco, A., González Albó, A., Chan Santiago, J., Ramírez Rivera, C., Rodríguez Acevedo, X., Figueroa Muñiz, M.J., Machargo Pérez, A.J., Gorbea Finalet, R., Jaramillo Nieves, L.G., Peraza Díaz, P. y Velázquez Lamela, D., 2018, Geologic vulnerability in Puerto Rico and hurricane María (La vulnerabilidad geológica de Puerto Rico y el huracán María), Intersecciones No. 2., <http://copu.uprrp.edu/aceleracion-de-los-procesos-geologicos-a-causa-del-huracan-maria/>

RADIO SEGMENTS:

Jaramillo Nieves, L.G. y Guilbe, C., The seismic activity in Puerto Rico, Hilando fino, <http://www.wrtu.pr/programas/hilandofino/>, January 18, 2020.

Jaramillo Nieves, L.G., Terremoto en Puerto Rico el 11 de octubre de 1918; Lecciones 100 años después (*The Earthquake in Puerto Rico: lesson one hundred years later*), Hilando fino, <http://www.wrtu.pr/programas/hilandofino/>, September 16, 2019.

Jaramillo Nieves, L.G., Expert analysis on tsunami phenomena in Puerto Rico, Analysis Segment, Today in the News, Radio Universidad (WRTU), December, 2007.

INSTITUTIONAL FUNDS AS PRINCIPAL INVESTIGATOR:

- | | |
|--------------|---|
| Summer, 2011 | Summer Fellowship for Overseas Research
Granted by the <i>Iniciativas de Investigación y Actividad Creativa Subgraduada</i> , iINAS, (Research Initiatives and Undergraduate Creative Activities) and the Department of Education for the development of research at the undergraduate level.
<i>Study of mass wasting related to the geology and hydrology of areas in Barranquilla, Colombia</i>
Funds: \$4,563.95 |
| 2008-2010 | Groundwater and flow modeling of the Yabucoa Aquifer, Puerto Rico: a case study for the tropics.
Funds: \$24,964.00 |

EXTERNAL FUNDS AS SUBAWARD:

- | | |
|------------|---|
| June, 2019 | Project Biology with X-Rays Lasers, The Research Foundation of the State University of New York, Dr. Edward Snell (PI), Dr. Lorna G. Jaramillo Nieves (Sub recipient PI) Managed as the Interim Assistant Dean of Research
Funds: \$80,000 |
|------------|---|

EXTERNAL FUNDS AS PRINCIPAL INVESTIGATOR:

- | | |
|------------|---|
| June, 2019 | Conference Travel Fund
<i>Sloan Scholars Mentoring Network, SSMN, Social Science Research Council</i>
Funds: \$1,500 |
| May, 2019 | Project One community at a time, Celebrate 100 Grant, American Geophysical Union, Lindsay Ann Davis (PI,) Dr. Lorna Jaramillo-Nieves (Co-PI), Dr. Fernando Briones, Dr. Erin Leckey and Dr. Ryan Vachon (Collaborators)
Funds: \$9,836 |

June, 2018 Conference Travel Fund
Sloan Scholars Mentoring Network, SSMN, Social Science Research Council
Funds: \$2,054

AWARDS:
2003

Best Poster Presentation

Remote Sensing evaluation of element dispersion characteristics of porphyry copper deposits in the Silver Bell Mountains
Geological Society of America
Cordilleran Section, 99th Annual Meeting
Puerto Vallarta, Mexico

1996

Harry H. Hess Award

Highest General Point Average (GPA)
Geology Department
Commencement Ceremony
University of Puerto Rico, Mayagüez

1995

Paper Award AGU

Sector collapse in island arc volcanoes and implications for hazard assessment: a digital topographic and bathymetric investigation of Qualibou Depression
American Geophysical Union Annual Meeting Paper Contest
(Second Place)

1991

London International Youth Science Fortnight Fellowship (LIYSF), United Kingdom

Founded in 1959, LIYSF aims to give a deeper insight into science and its applications for the benefit of all mankind and to develop a greater understanding between young people of all nations.

1991

42nd International Science and Engineering Fair (ISEF), Orlando, Florida

Geomorphological Changes in the Northern Coast Between Punta Cangrejos and Punta Vacía Talega in Loíza After Hurricane Hugo in 1989.
American Geological Institute
(Second Place)