

Monika V. Moreu Vicente

Columbus, OH | 43202

(787) 512-6558 | moreu-vicente.1@buckeyemail.osu.edu | monika.moreu@upr.edu

EDUCATION

The Ohio State University (OSU)

Columbus, OH

Aug 2022 - present M.Sc. in Environment and Natural Resources
GPA: 4.0

University of Puerto Rico, Mayagüez Campus (UPRM)

Mayagüez, PR

Aug 2013 – May 2020 B.Sc. in Geology
GPA: 3.24/4.0

RELEVANT COURSES

Wildland Fire Management, Fundamentals of Geographic Information Systems (GIS), Intro to R in Environmental Sciences, Social-Ecological Systems, Advanced Principles of Environmental Sciences, Research Design in Environmental Social Science, Intro to Applied Data Analysis, Physical Geography, Field Geology, Environmental Chemistry, Intro to Climate Change, Principles of Ecology

RESEARCH EXPERIENCE

Graduate Research Fellow Aug 2022 – present

“Perceptions of Wildland Fire Risk in Heathland Ecosystems of Northern Europe”

Location: United Kingdom and Norway

Advisors: Dr. Matt Davies and Dr. Matthew Hamilton

Undergraduate Researcher Aug 2019 – May 2020

“Stratigraphic context based on geochemistry, sediment texture and composition of Holocene lake sediments from Lake Enriquillo, Dominican Republic, as a baseline for paleoclimatic studies”

Location: Lake Enriquillo, DR

Advisor: Dr. Wilson Ramirez

- UPRM-USGS study aimed to reconstruct the frequency of Caribbean drought and the controls on hydroclimate during the late Holocene with the use of 4-5m sediment cores extracted from the deepest parts of Lake Enriquillo.
- Bulk isotope (^{13}C , ^{18}O), mineralogical, textural, and composition analysis was done to identify stratigraphic variations that work on paleoclimatic proxies.
- Contributed data to the USGS team for further assessment and publication

Undergraduate Researcher Aug 2018 – Dec 2018

“Petrography of the Mafic Enclaves in the San Lorenzo Batholith”

Location: Maunabo, PR

Advisor: Dr. Thomas Hudgins

- Described xenolith composition and texture to better understand the tectonic history and evolution of the Caribbean plate and Puerto Rico

FIELD EXPERIENCE

Geology Field Camp (UPRM) Summer 2019 (June-July)

Study sites: Barrio Puntas, Rincón and Sierra Bermeja, Cabo Rojo (PR)

Lead by: Dr. James Joyce

- Intensive six-week field study of core Geology topics: stratigraphy and sedimentology, structural geology, and geologic mapping

- Learned to properly use a Brunton compass and measure Strike/Dip
- Sharpened my ability to prepare geologic field maps, cross-sections, and stratigraphic columns
- Synthesized data into written reports and maps

Coring of Mafic Enclaves in the San Lorenzo Batholith in Punta Tuna, Maunabo September 2017

Course: Undergraduate Investigation

Advisor: Dr. Thomas Hudgins

AWARDS

School of Environment and Natural Resources Diversity Fellowship, The Ohio State University, 2022

On to the Future (OTF) Travel Award, Geological Society of America (GSA), 2016

CERTIFICATIONS

Red Card Certification: **S-130** (Firefighter Training), **S-190** (Introduction to Wildland Fire Behavior), **ICS-100** (Intro to Incident Command System), and **L-180** (Human Factors in the Wildland Fire Service), Fall 2022
Sustainability Course (Online), Division of Continued Education and Professional Studies (DECEP) at UPRM, Fall 2021

SKILLS

R Studio, ArcGIS Pro, FlamMap 6, Behave Plus 6, Microsoft Office (Word, PowerPoint, Excel, Outlook, Teams), Google Apps (Drive, Docs, Sheets, Meet, Slides, and Calendar)

PUBLICATIONS

Thomas Hudgins, LC Velázquez Santana, **MV Moreu Vicente**, Mafic Enclaves in Puerto Rico: A Window into Crustal Recycling and Structure, AGUFM, T23A-03; 2019 (Conference Paper)