

JUAN PABLO RAMOS VARGAS

jramosvargas@uh.edu | 713-550-7761
www.linkedin.com/in/juan-pablo-ramos-vargas

SUMMARY

Oil and gas exploration and production geoscientist looking for new challenges, skilled in sedimentary basin analysis and structural geology, and proficient in sequence stratigraphy, seismic interpretation, petrophysics, and basin modeling. Experience in exploration projects in onshore and offshore sedimentary basins in Colombia, the Caribbean, Gulf of Mexico (AAPG IBA), Cooper Basin (SEG EVOLVE), and Great Bight Basin (AAPG IBA). Strong teamwork, leadership, communication, and problem-solving skills. Co-founder of the AAPG Diversity & Inclusion Series at the University of Houston (2022).

EDUCATION

UNIVERSITY OF HOUSTON

August 2021 - Present

Ph.D. Candidate in Geology / Research Assistant at Conjugate Basins Tectonics and Hydrocarbons (CBTH) Consortium

- GPA: 4.0
- Coursework: Basin Analysis for Petroleum Exploration (Dr. Mann), Seismic Structural Geology (Dr. Suppe), Petroleum Prospecting Workshop (AAPG IBA – Dr. Mann), Advanced Seismic Exploration (SEG EVOLVE – Dr. Castagna), Sequence Stratigraphy (Dr. Wellner), Carbon Sequestration (Dr. Castagna).
- Advisor: Paul Mann

UNIVERSIDAD NACIONAL DE COLOMBIA

August 2014 – May 2020

Bachelor of Science in Geology

- GPA: 4.3/5.0. Exemption of the enrollment fee for Best Weighted Academic Average Award, Department of Geology, Faculty of Science (2017 – 2020).

PROFESSIONAL EXPERIENCE

CONJUGATE BASINS TECTONICS AND HYDROCARBONS (CBTH) CONSORTIUM

August 2021- Present

RESEARCH ASSISTANT IN PETROLEUM GEOLOGY

- Conducting research on the recent tectonic evolution of NW South America and its relationship with the formation of prolific basins for hydrocarbon exploration based on potential methods, seismic and well data, thermochronology, and basin modeling.
- Evaluating the formation and evolution of the Yucatan basin and its interaction with the Gulf of Mexico and the Caribbean Plate from seismic data interpretation and potential methods.

COLOMBIAN ASSOCIATION OF PETROLEUM GEOLOGISTS AND GEOPHYSICISTS (ACGGP)

GEOLOGY PROFESSIONAL

August 2020 – July 2021

- Promoted the planning of projects and programs that foster knowledge in petroleum geology at the level of the industry, academy, and civil society in Colombia and Latin America.
- Responsible for organizing different types of technical events, conferences, and publications related to the energy industry and the application of geosciences for community development.

COLOMBIA ENERGY DEVELOPMENT CO.

September 2019 – Abril 2020

ASSISTANT EXPLORATION GEOLOGIST

- Managed and updated databases and geological information in prolific hydrocarbon regions such as Middle Magdalena Valley and Llanos basin.
- Performed technical evaluation and interpretation of seismic and well data for the reservoir and new business area of the company to evaluate new prospects in different sedimentary basins.

- Constructed a model of depositional environments for a potential hydrocarbon reservoir in the Colombian Caribbean from the integration of well and outcrop data.
- Assisted in the collection, interpretation, and delivery of geological information for the exploratory and development wells drilled by the company.

INTERNATIONAL CONFERENCE PAPERS

Ramos J.P., & Mann, P., 2022, Paleogene Yucatan back-arc basin in the northern Caribbean: Ridge and fracture zone geometry in oceanic crust, depth-to-Moho, and Cenozoic sedimentary fill. SEG & AAPG International Meeting for Applied Geoscience & Energy (IMAGE '22), August 30, 2022.

Ramos, J.P., & Mann, P., 2022, Tracking a Late Cretaceous-sourced petroleum system in the offshore Sinu belt, the Magdalena fan, and the offshore Guajira of the Caribbean margin of Colombia, AAPG 2022 International Conference & Exhibition (ICE), April 20, 2022.

Ramos, J.P., & Mann, P., 2022, Regional effects of the Panama Arc-South America collision and its controls on hydrocarbon distribution in Colombia and Western Venezuela, AAPG 2022 International Conference & Exhibition (ICE), April 21, 2022.

Ramos, J.P., & Mann, P., 2021, Regional effects of Miocene-Recent Panama Arc collision; Influence on maturation and distribution of HCs in NW South America and S. Central America, Third EAGE-HGS Conference on Latin America, November 9-10, 2021.

AWARDS

1st place - Student Poster Competition at the 28th Annual Milton B. Dobrin Lecture, Department of Earth and Atmospheric Sciences and Geophysical Society of Houston, March 30, 2022. "Geologic Evolution of the Cooper Basin: Depositional Environments and Petroleum System Elements from a Regional Well Log Correlation".

1st place – Oral Presentations (M.S and Early Ph.D.) at the 35th Annual EAS Student Research Conference, April 29, 2022. "Coniacian-Santonian-Sourced Petroleum System Along the Deepwater Caribbean Margin of Colombia".

LEADERSHIP

Elected President for the AAPG YP Colombia Chapter (2022-2024)

Elected Vice-president for the AAPG Wildcatters at the University of Houston for the 2021-2023 term.

Team Captain for the AAPG Imperial Barrel Award (IBA) for the National University of Colombia Team, 2020.

An active member of several professional associations: AAPG, SEG, EAGE, AGU, HGS, ACGGP.

SOFTWARE

Seismic & Geological Interpretation: Petrel, IHS Kingdom, Decision Space Geosciences (DSG), PaleoScan.

Basin Modeling: PetroMod, Genesis – Trinity.

GIS and Potential Methods: ArcMap, GPlates, Oasis Montaj.