

MARIA PAULA BORJA TIBADUIZA
CURRICULUM VITAE

Department of Earth System Sciences, Yonsei University

Mailing Address:
50, Yonsei-ro, Seodaemun-gu,
Seoul 03722, Republic of Koreamariapborja97@gmail.com
Telephone: +82 010-9222-6577
Office: Science Research Centre 336**EDUCATION**

2017 - 2021 **B.S. in Earth System Sciences, Yonsei University**, Seoul, Republic of Korea
Major: Earth System Sciences
Minor: Chemistry
Adviser: Wonsuck Kim, Ryan Herring

RESEARCH EXPERIENCE

Feb 2021 – Present **Researcher**
Morphodynamics and Quantitative Stratigraphy Research Group
Department of Earth System Sciences
Institute of Natural Science
Yonsei University
Adviser: Ryan Herring

June 2020 – Feb 2021 **Undergraduate Researcher**
Morphodynamics and Quantitative Stratigraphy Research Group
Department of Earth System Sciences
Institute of Natural Science
Yonsei University
Adviser: Wonsuck Kim, Ryan Herring

PUBLICATIONS

2021
Borja, M., Herring, R., Kim, W., 2021 Morphometric analysis and dimensional trends in Gulf of Mexico minibasin geometries [B.S. thesis]: *Yonsei University*.

CONFERENCE PRESENTATIONS

2020
Borja, M., Herring, R., Kim, W., 2021 Morphometric analysis and dimensional trends in Gulf of Mexico minibasin geometries, *Yonsei University Department of Earth System Sciences Undergraduate Research Festival. (Oral Presentation)*
Herring, R., **Borja, M.**, Kim, W., 2020. Basinal dimensional trends in Gulf of Mexico minibasin geometry, *American Geophysical Union 2020*, Abstract EP065-02.

INVITED TALKS

2020
Department of Earth System Sciences Undergraduate Research Festival, Seoul, Korea (18 Dec 2020)
“Morphometric analysis and dimensional trends in Gulf of Mexico minibasin geometries”

CONFERENCES

Dec 2020 **Yonsei University Undergraduate Research Festival (Speaker)**

FIELD EXPERIENCE

November 2019 **Taebaek City, Gangwon Province South Korea**
Collected, sampled and interpreted fossils of the Ligunsan shale layer. Developed a traverse map and a cross section of the Dongjeom area. Distinguished the primary structures (dip, dip direction, beddings and boundaries, and different rocks types)

TECHNICAL SKILL SET

Computer Software:

GIS: Esri ArcGIS (Pro, ArcMap, ArcScene, ArcCatalog, Collector).

Miscellaneous: Adobe (Photoshop, Illustrator)

Programming Languages:

Python, MATLAB.

Non-programming Languages:

Spanish (native), English (High-Advanced), Korean (Advanced), German (Intermediate).

PUBLIC OUTREACH, COMMUNITY SERVICE, AND LEADERSHIP

Nov 2018 – Present **Foreign Student Union (FSU)**
Operation's Team Leader

Sep 2017 – Sep 2019 **Yonsei Student Climate Action Network (YSCAN)**
Co-founder, Research Team Leader

RELEVANT COURSEWORK

Geology:

Submarine Geology, Remote Sensing, Sedimentary Petrology, Biogeochemistry and Laboratory, Field Geology and Laboratory, Geo-Chemistry, Planetary Sciences, Petroleum Geology and Laboratory, Sedimentary Environments, Soil and Geomorphology, Geodynamics, History of Fossils, Igneous Petrology and Laboratory, Earth Material Sciences and Laboratory, Earth History, Environmental Sciences and Laboratory, Understanding of Stratigraphy, Basin Analysis, Metamorphic Petrology and Laboratory.

Mathematics:

Calculus and Vector Analysis I & II.

Physics:

General Physics I & II with Laboratories.

Chemistry:

Organic Chemistry I, General Chemistry I & II with Laboratories.

REFERENCES

Dr. Wonsuck Kim, Associate Professor
Yonsei Dept. Earth System Sciences
Email: delta@yonsei.ac.kr

Dr. Jin-Wook Kim, Associate Professor
Yonsei Dept. Earth System Sciences
Email: - jinwook@yonsei.ac.kr

Dr. Changyeol Lee, Associate Professor
Yonsei Dept. Earth System Sciences
Email: changyeol.lee@gmail.com

Dr. Yunmi Lee, Associate Professor
Yonsei Dept. Organic Chemistry
Email: sarahyunmi@yonsei.ac.kr