

YUJIN KIM

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Yonsei University · Earth System Sciences · Seoul, Republic of Korea

Morphodynamics and Quantitative Stratigraphy Lab

EDUCATION

2025 – Present

M.S. in Earth System Sciences, Yonsei University

Advisor: Prof. Wonsuck Kim

- Thesis

From Waves to Morphology: Predicting Submarine Asymmetry around the Volcanic Island Dokdo

2021 – 2025

B.S. in Department of Earth System Sciences, Yonsei University

2020 – 2021

Undergraduate Studies in Geography, Kyung Hee University

RESEARCH EXPERTISE

Sedimentology & Geomorphology

Coastal and Submarine Geomorphology | Volcanic-Island Morphodynamics | Wave Erosion and Marine Terrace Evolution | Quantitative Stratigraphy | Experimental Geomorphology

Numerical Modeling

Coastal Erosion Modeling | Morphodynamic Modeling | MATLAB- and Python-Based Numerical Analysis | Delft3D

GIS & Geospatial Analysis

DEM and Bathymetric Analysis | Terrain Analysis | Geospatial Analysis

CONFERENCE PRESENTATIONS & AWARDS

2026

- Korean Society of Petroleum and Sedimentology Geology, Oral Presentation, Korea
- **Excellence Award for Research Oral Presentation**
- 2026 Japan Geoscience Union Meeting, JpGU, Poster Presentation, Japan
- 2026 Joint Conference of the Geological Science & Technology of Korea, Oral Presentation, Korea

2025

- 2025 AGU Fall Meeting, American Geophysical Union, Poster Presentation, USA
- 2025 Joint Fall Meeting of Korean Geological Societies, GSK, Poster Presentation, Korea

SOFTWARE & TECHNICAL SKILLS

Programming & Numerical Modeling

- MATLAB | Python | Delft3D

GIS Analysis

- QGIS | DEM & Bathymetric Analysis

Graphic & Scientific Illustration

- Adobe Illustrator | Adobe Photoshop

PROFESSIONAL TRAINING

- 2026 August | Petrel Training
- 2026 June | PaleoScan Training
- 2024 January | Petrel Training

TEACHING EXPERIENCE

Teaching Assistant, Yonsei University

- Submarine Geology
- Origin and Evolution of the Earth
- Senior Thesis I
- Senior Thesis II