

YONGJOON PARK

Address: 50, Yonsei-ro, Seodaemun-gu, Seoul, Republic of Korea

Phone: +82 10-2200-3715

Email: yjpark6@yonsei.ac.kr

Education

Ph.D. in Department of Petroleum and Resources Technology,
University of Science and Technology (2017. 09. ~ 2022. 02)
Advisor: Dr. Donggeun Yoo

M.S. in Department of Petroleum and Resources Technology,
University of Science and Technology (2013. 02. ~ 2015. 08)
Advisor: Dr. Donggeun Yoo

B.S. in Department of Geological Sciences, Pusan National University
(2005. 03. ~ 2012. 02)

Research Experience

G-Lamp Postdoctoral Fellowship. Department of Earth System Sciences,
Yonsei University, Republic of Korea (2025. 01 ~)

Postdoctoral Fellowship. Marine Geology & Energy Research Division,
Korea Institute of Geoscience and Mineral Resources (2022. 05. ~ 2024. 12)

Post-Master's Fellowship. in Petroleum and Marine Research Division, Korea
Institute of Geoscience and Mineral Resources (2016. 02. ~ 2017. 08)

Internship. in Petroleum and Marine Research Division, Korea Institute of
Geoscience and Mineral Resources (2012. 02. ~ 2013. 01)

R&D Projects

Study on characterizations of submarine faults in the southwest sea, Korea
(2022. 05. ~ 2024. 10)

Development of technology for real-time monitoring of the submarine
geohazards (2022. 05. ~ 2024. 10)

Study on submarine active faults and evaluation of possibility of submarine
earthquakes in the southern part of the East Sea, Korea (2022. 05. ~ 2022. 12)

Gas hydrate exploration and production research : Evaluation of gas hydrate
characteristics in the Southern part of Korea Plateau (2020. 01. ~ 2022. 02)

Gas hydrate exploration and production study (2017. 09. ~ 2019. 12)

Studies on gas hydrate resource assessment and characterization of chimney
structures in the Ulleung Basin (2016. 02. ~ 2016. 12)

Studies on gas-hydrate resource assessment and reservoir characterization
(2013. 03. ~ 2015. 08)

Technological development on multi-azimuthal 3D exploration and reservoir
evaluation of the Jeju Basin (2012. 04. ~ 2012. 12)

Publication

Kang, N.K., Yoo, D.G., Llopat, J., **Park, Y.J.**, 2024, Geological implications for submarine geohazards, Ulleung Basin, East Sea. *Marine Geophysical Research*, v. 45.

Park, Y.J., Kang, N.K., Yi, B.Y., Lee, G.S., Yoo, D.G., 2022, Tectonostratigraphic framework in the eastern Korean continental margin, East Sea: Implication for evolution of the Hupo Basin. *Basin Research*, v. 34, p. 797–823.

Park, Y.J., Yoo, D.G., Kang, N.K., Yi, B.Y., Kim, B.Y., 2021, Tectonic control on mass-transport deposit and canyon-fed fan system in the Ulleung Basin, East Sea (Sea of Japan). *Basin Research*, v. 33, p. 991–1016.

Park, Y.J., Yoo, D.G., Kang, N.K., Yi, B.Y., 2019, Origin and evolution of stacked cut-and-fill structures on the southwestern margin of the Ulleung Basin, East Sea (Japan Sea). *Journal of Sedimentary Research*, v. 89, p. 679–700.

Park, Y.J., Yoo, D.G., Kang, N.K., Yi, B.Y., 2017, Origin and evolution of cut and fill structures in the southwestern shelf margin of the Ulleung Basin, East Sea. *The Korean Journal of Quaternary Research*, v. 31, p. 56–71 (in Korean with English abstract).

Kim, J.H., Kang, N.K., Yi, B.Y., **Park, Y.J.**, Yoo, D.G., 2017, Seismic Stratigraphy and Evolutionary History of Submarine Canyon in the Northwestern Part of the Ulleung Basin, East Sea. *Geophysics and Geophysical Exploration*, v. 20, p. 146–162 (in Korean with English abstract).

Yoo, D.G., **Park, Y.J.**, Lee, G.S., Chang, S.W., 2017. Transgressive systems tract within a late Quaternary sequence in the Korea Strait shelf. *Korean Journal of Hydrography and Marine Spatial Information*. v. 6. p. 49–58.

Park, Y.J., Kang, N.K., Yi, B.Y., Yoo, D.G., 2015, Origin and Distribution of Cut and Fill Structures in the Southwestern Margin of Ulleung Basin, East Sea. *Geophysics and Geophysical Exploration*, v. 18, p. 39–53 (in Korean with English abstract).

International Conferences

Park, Y.J., Kang, N.K., Yi, B.Y., Lee, G.S., Yoo, D.G., 2023, Tectonostratigraphic evolution of the Hupo Basin in the western margin of the Ulleung back-arc basin, the East Sea. EGU23, the 25th EGU General Assembly, held 23-28 April, 2023 in Vienna, Austria and Online. Online at <https://egu23.eu/>, id. EGU-4610.

Park, Y.J., Kang, N.K., Yi, B.Y., Yoo, D.G., 2019, Seismic stratigraphy and depositional history of stacked cut-and-fill structures in the Ulleung Basin, East Sea (Japan Sea). American Geophysical Union, Fall Meeting 2019, abstract #EP13D-2178.

Park, Y.J., Kang, N.K., Yi, B.Y., Yoo, D.G., 2018a, Origin and evolution of stacked cut-and-fill structures in the southwestern margin of the Ulleung Basin, East Sea (Japan Sea). 9th International Conference on Asian Marine Geology.

Park, Y.J., Yoo, D.G., Kang, N.K., Yi, B.Y., 2018b, Occurrence and seismic characteristics of stacked debris-flow deposits of the Ulleung Basin, East Sea. 9th International Conference on Asian Marine Geology.

Yoo, D.G., **Park, Y.J.**, Lee, B.R., Hong, S.H., Lee, G.S., 2018, Evolution and chronology of prograding lowstand wedges in the Korea strait. 9th International Conference on Asian Marine Geology.

Awards & Honors

Paper Award of Marine Geology Department (2022). The Korean Society of Oceanography

Best Poster Presentation Award (2018). The Korean Society of Oceanography

Softwares

Schlumberger Petrel S/W

IHS Kingdom S/W

Research Interests

Basin Analysis (Basin Evolution)

Seismic & Sequence Stratigraphy

Shelf-edge Trajectory Analysis

Fault Analysis

Well data Analysis

Geological Modeling (Static Model)
