

Curriculum Vitae

Seong Woon Jeong

Ph.D. course student

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Research Interests

- The effect of extreme events on hydrodynamics and sediment dynamics

Education

- 2022 – Present **Ph.D. course** in Department of Ocean Sciences, Inha University, Incheon, Korea
- 2020 – 2022 **M.S.** in Department of Ocean Sciences, Inha University, Incheon, Korea
- 2014 – 2020 **B.S.** in Department of Ocean Sciences, Inha University, Incheon, Korea

Publications

- [9] **S.W. Jeong**, H.J. Ha, H.K. Ha, 2025. Enhanced settling velocity and floc formation in response to dredging-induced plumes: In-situ observations from a coastal sand mining site. *Regional Studies in Marine Science*. (12/15/2025)
- [8] D.U. Kim, C. Lee, S.I. Kim, **S.W. Jeong**, T. Kim, E.P. Lim, S. Lee, S. Wang, S.E. Kim, J.S. Khim, H.K. Ha, 2025. Disturbance of benthic topography and community by sand mining in EEZ of the South Sea of Korea. *Regional Studies in Marine Science*. (Dec/2025)
- [7] J.H. Oh, B.J. Jeon, **S.W. Jeong**, J.H. Shin, I. Jeon, H.K. Ha, 2025. Tidal-induced local scour development around offshore structures: A case study in Shinan area (in Korean) (05/XX/2025)
- [6] **S.W. Jeong**, H.J. Ha, H. Kim, B. Kim, *J.S. Khim, *H.K. Ha, 2025. Impacts of consecutive typhoons on the resuspension of sediment and microphytobenthos in the macro-tidal flat. *Marine Pollution Bulletin*. (doi.org/10.1016/j.marpolbul.2025.118141) (05/17/2025)
- [5] B. J. Jeon, **S.W. Jeong**, H.J. Ha, *H.K. Ha, 2024. Influence of tidal asymmetry on local scour near the offshore platform. *Regional Studies in Marine Science*.
- [4] **S.W. Jeong**, H.J. Ha, K. M. Kim, *H.K. Ha, 2023. Benthic sediment disturbances by episodic human-controlled discharge in an altered estuary. *Marine Geology* 465, 107168 (doi.org/10.1016/j.margeo.2023.107168) (10/16/2023)

- [3] **S.W. Jeong**, B.J. Jeon, *H.K. Ha, 2023. Review on techniques for monitoring and prediction of local scour around marine artificial structures. *The Hydrographic Society of Korea* 12(1), 3–13 (in Korean) (06/11/2023)
- [2] S.M. Choi, J.Y. Seo, **S.W. Jeong**, M.J. Lee, *H.K. Ha, 2021. Disturbance of sedimentary processes in tidal salt marshes invaded by exotic vegetation. *Science of the Total Environment* 799, 149303 (doi.org/10.1016/j.scitotenv.2021.149303) (12/10/2021)
- [1] J.Y. Seo, **S.W. Jeong**, S.M. Choi, *H.K. Ha, 2020. Changes in bed elevation and sediment particle size according to the growth of a Cordgrass (*Spartina Alterniflora*) in the Ganghwa tidal flat. *The Hydrographic Society of Korea* 9(1), 45–51 (in Korean) (09/16/2020)

Manuscripts in Review

Manuscripts in Preparation

- **S.W. Jeong**, S.I. Kim, K.M. Kim, H.K. Ha, (in prep). Human-controlled discharge effect on hydrodynamic and benthic sedimentary processes in the tide-dominant estuary

Presentation

- [7] **S.W. Jeong**, H.J. Ha, H. Kim, B. Kim, J.S. Khim, *H.K. Ha, Disturbance of extreme consecutive typhoons (Maysak and Haishen in 2020) on sediment and phytoplankton dynamics in a mega-tidal flat, *The 21st Pacific-Asian Marginal Seas (PAMS) meeting*, 2024 (China)
- [6] **S.W. Jeong**, H.J. Ha, H. Kim, B. Kim, *J.S. Khim, *H.K. Ha, Typhoon effect on the sediment resuspension and productivity change in macro-tidal flat, *2023 Yellow Sea Ecosystem Symposium*, 2023 (China)
- [5] **S.W. Jeong**, H.J. Ha, H. Kim, B. Kim, *J.S. Khim, *H.K. Ha, Impacts of consecutive typhoons on the resuspension of sediment and microphytobenthos in the macro-tidal flat, *The Autumn Meeting of Korean Society of Oceanography*, 2023 (Domestic)
- [4] **S.W. Jeong**, H.J. Ha, H. Kim, B. Kim, *J.S. Khim, *H.K. Ha, Impacts of consecutive typhoons on the resuspension of sediment and microphytobenthos in the macro-tidal flat, *17th International Conference on Cohesive Sediment Transport*, 2023 (Domestic)
- [3] **S.W. Jeong**, H.J. Ha, J.Y. Seo, S.M. Choi, Y.H. Jung, *H.K. Ha, S.J. Park, K.M. Kim, Relationship between freshwater discharge and sediment erodibility in Geum River estuary, *2021 Yellow Sea Ecosystem Symposium*, 2021 (Domestic)
- [2] **S.W. Jeong**, H.J. Ha, J.Y. Seo, S.M. Choi, Y.H. Jung, S.H. Lee, S.J. Park, K.M. Kim, *H.K. Ha, Effect of freshwater discharge on sediment erodibility: Geum River estuary, *The Autumn Meeting of Korean Society of Oceanography*, 2021 (Domestic)

- [1] **S.W. Jeong**, H.J. Ha, J.Y. Seo, S.M. Choi, Y.H. Jung, S.H. Lee, *H.K. Ha, S.J. Park, K.M. Kim, Influence of tidal current reinforcement by freshwater discharge on sediment erodibility in Geum River Estuary, *The Spring Meeting of Korean Society of Oceanography*, 2021 (Domestic)

Grants and Awards

- 2024 분과별우수논문상(지질) in the Autumn Meeting of Korean Society of Oceanography
- 2022 삼각학위논문상(석사) in the Autumn Meeting of Korean Society of Oceanography
- 2021 Best Poster Presentation Award in Yellow Sea Symposium