

Curriculum Vitae



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Research Interests

Coastal and Estuarine Sedimentary Processes

Education

- 2024–Present Ph.D., Department of Ocean Sciences, Inha University, Incheon, Republic of Korea (advisor: Dr. H.K. Ha)
- 2022–2024 M.S., Department of Ocean Sciences, Inha University, Incheon, Republic of Korea. *Thesis: Imbalance of sediment transport in Yeosu Bay: Effects of tidal pumping and residual circulation* (advisor: Dr. H.K. Ha)
- 2018–2022 B.S., Department of Ocean Sciences, Inha University, Incheon, Republic of Korea

Publications

[6] 서준영, 최선민, **김수인**, *하호경, 2025. 점착성 미세부유퇴적물 입자 크기 측정법 리뷰. [바다]지, 31(1), (doi.org/10.7850/jkso.2026.31.1.000) (1/30/2026)

[5] Yun, M.S., **Kim, S.I.**, Min, J.O., Ha, S.Y., Shin, J.H., Kim, S., Nam, S.-I., and *Ha, H.K., 2026. Biochemical composition and bioavailability of sedimentary organic matter in two contrasting intertidal flats of Korea. *Marine Pollution Bulletin*, 222, 118686 (doi.org/10.1016/j.marpolbul.2025.118686) (1/1/2026).

[4] 신재혁, 이우진, 정성운, **김수인**, 은채연, *하호경, 2025. 도심 유수지 내 오염퇴적물의 안정도: 인천 용현 갯골 사례. [바다]지, 30(4), 227–239. (doi.org/10.7850/jkso.2025.30.4.227) (11/30/2025).

[3] Kim, D.-U., Lee, C., **Kim, S.I.**, Jeong, S.W., Kim, T., Lim, E.P., Lee, S., Wang, S., Lim, S.-E., Khim, J.S., and *Ha, H.K., 2025. Disturbance of benthic topographic and community by sand mining in EEZ. *Regional Studies in Marine Science*, 88, 104262 (doi.org/10.1016/j.rsma.2025.104262) (12/1/2025).

[2] **Kim, S.I.**, Seo, J.Y., Park, J.-H., Kim, P.J., Kim, I.G., Kim, K.M. and *Ha, H.K., 2024. Imbalance of sediment transport in a meso-tidal bay: Effect of tidal pumping and residual circulation. *Frontiers in Marine Science*, 11, 1362583. (doi.org/10.3389/fmars.2024.1362583) (4/11/2024).

[1] 서준영, 최선민, 이성호, **김수인**, *하호경, 2021. 바다골재 채취과정에서 발생하는 부유사플룸의 농도측정법 리뷰. *해양환경에너지학회*, 24(4), 210-222 (doi.org/10.7846/JKOSMEE.2021.24.4.210) (11/30/2021).

Conferences & Presentations

[8] **S.I. Kim**, S.M. Choi, S.W. Jeong, J.H. Park, P.J. Kim, *H.K. Ha, Typhoon-induced breakdown of stratification and enhanced sediment transport in Yeosu Bay, Korea, *Yellow Sea Ecosystem Symposium*, 2025. (International)

[7] **S.I. Kim**, S.M. Choi, S.W. Jeong, J.H. Park, P.J. Kim, *H.K. Ha, Typhoon-induced sediment dynamics: Effects of extreme winds on resuspension and transport in Yeosu Bay, Korea, *European Geosciences Union General Assembly*, 2025. (International)

[6] **김수인**, 최선민, 정성운, 윤미선, 박재훈, 김평중, *하호경, Typhoon-induced sediment resuspension dynamics in Yeosu Bay, Korea, *한국해양과학기술협의회 공동학술대회*, 2024. (Domestic)

[5] **S.I. Kim**, J.Y. Seo, J.H. Park, P.J. Kim, *H.K. Ha, Imbalance of sediment transport in meso-tidal bay: Effects of tidal pumping and residual circulation, *Ocean Sciences Meeting*, 2024. (International)

[4] **S.I. Kim**, J.Y. Seo, J.H. Park, P.J. Kim, *H.K. Ha, Imbalanced sediment transport controlled by tidal pumping and residual circulation in the meso-tidal bay, *Yellow Sea Ecosystem Symposium*, 2023. (International)

[3] **S.I. Kim**, J.Y. Seo, J.H. Park, P.J. Kim, *H.K. Ha, Sediment transport imbalance in the meso-tidal bay controlled by tidal pumping and residual circulation, *17th International Conference on Cohesive Sediment Transport*, 2023. (International)

[2] **김수인**, 서준영, 박재훈, 김평중, 최요한, 김인권, 김경만, 구정분, *하호경, Imbalance of sediment transport in meso-tidal Bay: Effect of tidal pumping and residual circulation, *한국해양과학기술협의회 공동학술대회*, 2023. (Domestic)

[1] 김수인, 서진비, 김평중, 최요한, 김인권, 김경만, 이재광, *하호경, Transport and flux of suspended sediment controlled by tidal currents: Yeosu Bay, Korea, *한국해양과학기술협의회 공동학술대회*, 2022. (Domestic)

Awards

- Nov. 2025 김수인, 한국해양학회, 분과별우수논문상(지질)
- Nov. 2024 김수인, 한국해양학회, 삼각학위논문상(석사)
- Feb. 2022 김수인, 한국해양학회, 한국해양학회장상
- Dec. 2021 김지환/김수인/김주찬/백서연/이연희/정다은, 한국해양학회, 차세대해양과학자워크숍
조별활동 우수발표상
- Dec. 2021 김수인/서진비/이성호, 한국해양학회, 차세대해양과학자워크숍 우수발표상

Certifications

- Sep. 2021 해양환경기사-한국산업인력공단