CURRICULUM VITAE

MINAH KIM

Graduate Research Assistant, kma6313@seoultech.ac.kr

RESEARCH INTERESTS

Human and Water Interactions (Sociohydrology), Hydrologic and Water Quality Monitoring and Modeling, Drainage System

PROFESSIONAL EXPERIENCE

09/2024 –Present **Doctral Student**
Department of Environmental Engineering, Seoul National University of Science and Technology, Korea

EDUCATION

09/2022–08/2024 **Seoul National University of Science nad Technology**, Korea
M.S. in Environmental Engineering
Thesis: *Assessing Ecosystem Services of the Gyeongan-cheon Watershed in Response to Climate and Land Use Change*
Advisor: Hanseok Jeong

03/2017–08/2022 **Seoul National University of Science nad Technology**, Korea
Bachelor of Science in Environmental Policy

TEACHING EXPERIENCE

Capstone Design
- Guided undergraduate students in designing and developing research concepts
- Reviewed and provided constructive feedback on students' bachelor's theses and presentations

Big data and Environmental Modeling
- Led WASP8 tutorial sessions and developed instructional materials
- Assisted students in applying data analysis and modeling concepts
- Addressed students' inquiries through regular email counseling and in-person office hours

CONFERENCES

Minah Kim, Juseong Lee, Rabin Bhattarai, Hanseok Jeong *"Hydrological impacts of nitrogen fertilization in a tile-drained watershed under climate change and varying spatial scales"*, American Geophysical Union (AGU) Fall meeting 2025, New Orleans, USA, December 15 - 19, 2025 (Poster)

Minah Kim, Juseong Lee, Yebin Sim, Hanseok Jeong *"Assessing the Hydrologic Impacts of Tile Drainage System under Climate Change and Different Spatial*

Scales", Korea Water Resource Association (KWRA) Spring Conference 2025, Yeosu, South Korea, May 21 - 23, 2025 (Poster)

Minah Kim, Hanseok Jeong, *"Assessing the socio-hydrological resilience of the Gyeongan-cheon watershed using the SWAT model"*, Korea Water Resource Association (KWRA) Spring Conference 2024, Jeju, South Korea, May 08 - 10, 2024 (Poster)

Minah Kim, Hanseok Jeong, *"Assessing the socio-hydrological resilience of Gyeongan-cheon watershed to climate change"*, Korea Water Resource Association (KWRA) Spring Conference 2023, Goseong, South Korea, May 25 - 26, 2023 (Poster)

Minah Kim, Jungjin Kim, Hanseok Jeong, *"Hydrological impacts of nitrogen fertilization timing in a tile-drained watershed across spatial scales"*, Korean Society of Agricultural Engineers (KSAE) Fall Conference 2025, Jeju, South Korea, October 29 – 31, 2025 (Poster)

Minah Kim, Jungjin Kim, Hanseok Jeong, *"Impact of Spatial Scales on Tile Drainge and Nitrate Leaching in Agricultural Watersheds"*, Korean Society of Agricultural Engineers (KSAE) Fall Conference 2024, Danyang, South Korea, October 30 – November 01, 2024 (Oral)

Minah Kim, Hanseok Jeong, *"Hydrological impacts of nitrogen fertilization in a tile-drained watershed under climate change and varying spatial scales"*, 3rd Joint Symposium on Environmental Engineering - SEOULTECH & Muroran Institute of Technology (JSEE) 2025, Muroran, Japan, August 19, 2025 (Oral)

Minah Kim, Juseong Lee, Hanseok Jeong, *"Hydrological impacts of nitrogen fertilization in a tile-drained watershed under climate change"*, Korea Society of Environmental Engineers (KSEE) Fall Conference 2025, Jeju, South Korea, November 19 - 21, 2025 (Poster)

Minah Kim, Jungjin Kim, Hanseok Jeong, *"Effects of Hydraulic Parameters on River Water Quality Simulations"*, Korea Society of Environmental Engineers (KSEE) Fall Conference 2024, Yeosu, South Korea, November 06 - 08, 2024 (Oral)

Minah Kim, Kyungmin Kim, Sonali Kamble, Hanseok Jeong, *"Assessing the Impacts of Novel Entities on the Watershed Environment Using Ecosystem Services"*, Korea Society of Environmental Engineers (KSEE) Fall Conference 2023, Busan, South Korea, October 31 - November 03, 2023 (Poster)

Minah Kim, Hanseok Jeong, *"A Watershed Evaluation Framework Based on the Socio-hydological Resilience Concept"*, Korea Society of Environmental Engineers (KSEE) Fall Conference 2022, Jeju, South Korea, November 08 - 11, 2022 (Poster)