

CURRICULUM VITAE

Google Scholar: <https://scholar.google.com/citations?user=EY1gePkAAAAJ&hl=ko>

2007.02 **Sung Kyun Kwan University**

2013.03- Lecturer, Department of Civil and Environmental Engineering, **KAIST, Republic**
2013.06 **of Korea**

2010-2012 Lecturer, Department of Environmental Engineering, **Korea University** (Sejong),
Republic of Korea

2009-2012 Graduate Research Assistant, Department of Civil and Environmental
Engineering, **KAIST, Republic of Korea**

RESEARCH INTEREST

Key Words: Environmental Chemistry and Science; Environmental/Energy Catalyst; Nanoscale Zerovalent Iron; Environmental Nano-technology; Solid Waste Management, Fate and Transport of Contaminants; Soil and Groundwater Remediation, Physicochemical Water and Wastewater Treatment, Geo-biochemical Interactions; Control of Radioactive Materials, Photo-electro Water Treatment

Professional Skills

Synthesis of catalysts, reactor design and operation, physicochemical analyses using various equipments (XRD, XPS, BET, TEM-SAED, SEM-EDX, Particle-size analyzer, TPR, ATR-FTIR, etc.), operation of gas/liquid/ion chromatographs (GC-MS, GC-ECD, GC-FID, GC-TCD, LC-MS, IC, ICP-MS), and mathematical/statistical analysis using computer programs.

PROFESSIONAL SOCIETY MEMBERSHIP

Editor, Journal of Hazardous Materials (2021-Present)

Associate Editor, Cleaner Water (2024-Present)

Associate Editor, Frontier in Environmental Chemistry, Catalytic Remediation (2021-Present)

Editorial Board Member, Journal of Soil and Groundwater Environment (2017-Present)

Editorial Board Member, Journal of Korean Society of Water & Wastewater (2018-Present)

PROFESSIONAL SOCIETY ACTIVITIES

중앙건설심의위원 (2024.3~2025.2)

LH 기술심사평가위원 (2023. 3. 2 – 2024. 2. 29)

K-water 기술심의위원 (2023. 4. 17 – 2025. 4.16)

한국환경공단 기술자문위원 (2022.9.1 – 2024.8.31)

한국환경공단 환경시설민자사업 평가위원 (2020.9.1 – 2024. 8.31)

국방시설본부 환경분야 공법 및 기술자문심의위원 (2022. 05.01 – 2025.04.23)

국토안전자문위원회 지하안전분과 (2024. 01.01 – 2025.12.31)