CURRICULUM VITAE Sungjun Bae

Sungjun Bae, Ph. D.

CURRICULUM VITAE

Associate Professor

Department of Civil and Environmental Engineering, College of Engineering, **Konkuk University**, Gwangjin-gu, Neungdong-ro 120, Seoul, Republic of Korea 143-701

Editor of Journal of Hazardous Materials (from 2021 to Present)

E-mail: bsj1003@konkuk.ac.kr

Website: https://baesj19.wixsite.com/ace2

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

_	
EDUCATION	
2007.03-	Integrated MS and PhD Program in Civil and Environmental Engineering
2013.02	Korea Advanced Institute of Science and Technology (KAIST)
	Thesis: "Interaction between Abiotic and Biotic Reactions on Reductive
	Dechlorination of Chlorinated Organics"
	Supervisor: Prof. Woojin Lee
2000.03-	BS in Civil and Environmental Engineering
2007.02	Sung Kyun Kwan University
EXPERIENCE	S
2020.03.01-	Associate Professor, Department of Civil and Environmental Engineering,
present	Konkuk University, Republic of Korea
2016.03.01-	Assistant Professor, Department of Civil and Environmental Engineering, Konkuk
2020.02.29-	University, Republic of Korea
2015.05-	Postdoc, Institute for Nuclear Waste Disposal (INE), Karlsruhe Institute of
2016.01.22	Technology (KIT), Germany
2014.06-	Postdoc, Chimie et Ingénierie des Procédés (CIP), École Nationale Supérieure de
2015.04	Chimie de Rennes (ENSCR), France
2013.03-	Postdoc, Department of Civil and Environmental Engineering (CEE), KAIST,
2014.05	Republic of Korea
2013.03-	<u>Lecturer</u> , Department of Civil and Environmental Engineering, KAIST , Republic
2013.06	of Korea

CURRICULUM VITAE Sungjun Bae

2010-2012 <u>Lecturer</u>, Department of Environmental Engineering, **Korea University** (Sejong), **Republic of Korea**2009-2012 <u>Graduate Research Assistant</u>, 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)