

NANO KOREA 2020

July 1~3, KINTEX, Korea

Eun-Ju Kim

Senior Research Scientist, Korea Institute of Science and Technology (KIST)

Address: L4151, Hwarangno 14 gil 5, Seongbuk-gu, Seoul, Korea

Telephone: (+82)2-958-6686

Fax:

E-mail: eunjukim@kist.re.kr

Nationality: Republic of Korea

Web:

EDUCATION

POSTECH, Pohang, Korea	Ph.D	Environmental Engineering	2013
POSTECH, Pohang, Korea	MS	Environmental Engineering	2009
Korea University, Seoul, Korea	BS	Life Science	2007

PROFESSIONAL ACTIVITIES

- Senior Research Scientist, Water Cycle Research Center, KIST, Korea, September 2015 to Present
- Postdoctoral Associate, Earth Science Division, Lawrence Berkeley National Laboratory, US, August 2014 to August 2015
- Postdoctoral Associate, School of Environmental Science and Engineering, POSTECH, Korea, March 2013 to July 2014

AWARD AND HONORS

- Award for Young Women Scientists, Korea Federation of Women's Science & Technology Associations, 2015
- NRF Fellowship, National Research Foundation of Korea, 2014

MAIN SCIENTIFIC PUBLICATION

- E. J. Kim et al., Thorn-like TiO₂ nanoarrays with broad spectrum antimicrobial activity through physical puncture and photocatalytic action, *Scientific Reports* 9, 13697 (2019)
- E. J. Kim* et al., Elimination of microcystin-LR and residual Mn species using permanganate and powdered activated carbon, *Water Research* 114, 189 (2017)
- E. J. Kim et al., Comparative toxicity of bimetallic iron nanoparticles toward *Escherichia coli*: mechanism and environmental implications, *Environmental Science: Nano* 1, 233 (2014), Front cover
- E. J. Kim et al., Effects of metal ions on the reactivity and corrosion electrochemistry of Fe/FeS nanoparticles, *Environmental Science & Technology* 48, 3477 (2014)

RESEARCH INTERESTS

- Development of water purification/disinfection technologies using various nanomaterials
- Microplastics and nanoplastics in aquatic environments