



Dr. Kyung Hwa Cho

Assistant Professor

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Date of Birth (Male)

May 18, 1980

Education

Degree of Doctor of Philosophy (Environmental Engineering)
Gwangju Institute of Science and Technology (GIST) August, 2010

- Environmental Systems Engineering Laboratory (ESEL)
- Transport Models for Fecal Indicator Bacteria In Natural Surface Water: Fate and Resuspension August, 2007

Master of Science (Environmental Engineering)

Gwangju Institute of Science and Technology (GIST)

- Environmental Systems Engineering Laboratory (ESEL)
- Optimization of Water Quality Model using Sequential Approach of Principal Component Analysis and Multiple Linear Regression

Bachelor of Science (Chemical Engineering)

Ajou University February, 2006

Research Interests

- Water quality control and pollution prevention strategies
- Harmful algal bloom prediction
- The effects of climate-changed-induced extreme events on water quality and ecology
- Pathogenic bacteria contamination in natural surface waters
- Oil spill simulation in natural surface waters

Statistical modeling

- Artificial Neural Network
- Support Vector Machine
- Self-Organizing Map
- Parallel Factor Analysis
- Principal Component Analysis
- Multiple Linear/Nonlinear Regression
- Bayesian Uncertainty

Computer Programming/Software