
CURRICULUM VITAE

Yongju Choi

Date of birth: June 23rd 1981

Place of birth: Gwangju, Republic of Korea

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Education

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| Sep 2009-present | Ph.D. candidate, Environmental Engineering and Science Program,
Dept. of Civil and Environmental Engineering, Stanford University
• Advisor: Prof. Richard G. Luthy |
| Mar 2006-Feb 2008 | M.S., Dept. of Civil and Environmental Engineering,
Seoul National University, Republic of Korea
• Advisor: Prof. Kyoungphile Nam
• Thesis: Use of microbubble suspension to enhance aerobic
biodegradation in the subsurface |
| Mar 2000-Feb 2006 | B.S., Dept. of Civil, Urban, and Geosystem Engineering,
Seoul National University, Republic of Korea |

Social Service

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| Dec 2002-Jan 2005 | Military Service, Sergeant at Korean Army |
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Work and Other Professional Experiences

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| Apr 2009-Aug 2009 | Part-Time Lecturer, Seoil College, Republic of Korea
Course: Environment and Environmental Pollution |
| Mar 2008-Aug 2009 | Research Assistant, Integrated Research Institute of Construction and
Environmental Engineering (IRICEE), Seoul National University,
Republic of Korea |
| Mar 2007-Feb 2008 | Teaching Assistant, Dept. of Civil and Environmental Engineering,
Seoul National University, Republic of Korea
Course: Engineering Mathematics |
| Mar 2007-Aug 2007 | Teaching Assistant, Dept. of Civil and Environmental Engineering,
Seoul National University, Republic of Korea |
| Mar 2006-Aug 2006 | Course: Environmental Engineering Systems Design |

Awards and Academic Honors

Sep 2009-Aug 2012	Samsung Scholarship, for Ph.D. study
Feb 2007	Prize for Best Poster Presentation, Advanced Environmental Biotechnology Research Center, Korean Science and Engineering Foundation
Feb 2006	Summa Cum Laude, for undergraduate study by Seoul National University, Republic of Korea
Feb 2006	Prize for Graduation with the Highest Distinction, for undergraduate study by Alumni Association of School of Engineering, Seoul National University, Republic of Korea
Mar 2005-Feb 2006	Fellowship, Seoul National University, Republic of Korea
Mar 2000-Feb 2003	

Certificates

Nov 2008	Engineer, Water Pollution, Environmental, issued by Human Resources Development Service of Korea
Aug 2002	Industrial Engineer, Information Processing, issued by Human Resources Development Service of Korea

Publications

- S.-R. Lee, J.K. Han, **Y.J. Choi**, K. Nam (2007) Reduction of ammonia and hydrogen sulfide emission from swine manure using aqueous foams amended with microorganisms and chemical additives. *Clean - Soil, Air, Water*. 35(3):230-234.
- **Y.J. Choi**, J.Y. Park, Y.-J. Kim, K. Nam. (2008) Flow characteristics of microbubble suspensions in porous media as an oxygen carrier. *Clean - Soil, Air, Water*. 36(1):59-65.
- J.Y. Park, **Y.J. Choi**, S. Moon, D.Y. Shin, K. Nam. (2008) Microbubble suspension as a carrier of oxygen and acclimated bacteria for phenanthrene biodegradation. *Journal of Hazardous Materials*. 163(2-3):761-767.
- **Y.J. Choi**, Y.-J. Kim, K. Nam. (2009) Materials transport into the oxygen-limiting environment by a microbubble suspension for aerobic biodegradation. *Environmental Pollution*. 157(8-9):2197-2202.
- S. Lee, **Y.J. Choi**, J.S. Chung, T.W. Nam, Y.-J. Kim, K. Nam. (2009) Transformation of Endocrine Disrupting Compounds (EDCs) by Manganese(IV) Oxide. *The Journal of Korean Society of Soil and Ground Water Environment*. 14(1):44-50.

Presentations

- **Y.J. Choi**, D.Y. Shin, J.Y. Park, K. Nam (2006) Development of a method to enhance aerobic biodegradation in the subsurface contaminated by polycyclic aromatic hydrocarbons (PAHs) using colloidal gas aphrons (CGAs). The 32nd KSCE (Korean Society of Civil Engineers) Annual Convention. Gwangju, Korea. Oct 12 – 13.
- **Y.J. Choi**, J.Y. Park, D.Y. Shin, K. Nam (2007) Multifunctional colloidal gas aphron for the enhancement of aerobic biodegradation under oxygen-limited condition. The 4th Advanced Environmental Biotechnology Symposium, Muju, Korea, Feb 6 – 8.
- **Y.J. Choi**, J.Y. Park, K. Nam (2007) Multifunctional colloidal gas aphrons for the enhancement of aerobic biodegradation. Fourth International Conference on Remediation of Contaminated Sediments (Battelle), Savannah, Georgia, USA. Jan 22 – 25.
- **Y.J. Choi**, J.Y. Park, D.Y. Shin, Y.-J. Kim, K. Nam (2007) Material transport characteristics in the porous media by multifunctional colloidal gas aphron (CGA) developed for the enhancement of aerobic biodegradation in the subsurface. 2007 Spring Conference of the Korean Society of Environmental Engineers. Busan, Korea. May 2 – 4.
- **Y.J. Choi**, D.Y. Shin, Y.-J. Kim, K. Nam (2007). Development of favorable condition for aerobic biodegradation in contaminated subsurface by microbubbles containing oxygen and pollutant-degrading microorganisms. The 33rd KSCE (Korean Society of Civil Engineers) Annual Convention. Daegu, Korea. Oct 10 – 12.
- **Y.J. Choi**, J.Y. Park, Y.-J. Kim, K. Nam (2007). Surfactant Microbubble-Aided Bioremediation for the Treatment of Phenanthrene in the Subsurface Environment. SETAC North America 28th Annual Meeting. Milwaukee, WI, USA. Nov 11-15.