

Curriculum Vitae
Xiankui Zeng

Department of Hydrosociences, School of Earth Sciences and Engineering, State Key
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Education:

Nanjing University, China	Ph.D. in Groundwater Science, 9/2009-6/2012
Jilin University, China	M.S. in Groundwater Science and Engineering, 9/2007-6/2009
Jilin University, China	B.S. in Hydrology and Water Resources 9/2003-6/2007

Professional Experience

Nanjing University, China	Assistant professor, 7/2012-
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Research Fields:

- Uncertainty analysis and assessment of groundwater numerical simulation
- Sensitivity analysis of groundwater modelling
- Hydrologic frequency analysis

Honours and Awards:

- 2011, Guanghua Scholarship, Nanjing University
- 2009, The Excellent Postgraduates, Jilin University
- 2007, The National Scholarship, the Second Prize, Jilin University

Publications:

- Jichun Wu, **Xiankui Zeng**. 2013. Review of the uncertainty analysis of groundwater numerical simulation. *Chinese science bulletin*. (Accepted)
- **Xiankui Zeng**, Jichun Wu, Dong Wang, Xiaobin Zhu. 2013. The Characteristics of Probability Distribution of Groundwater Model Output Based on Sensitivity Analysis. *Journal of hydroinformatics*. (Accepted)
- **Xiankui Zeng**, Dong Wang, Jichun Wu, et al. 2013. Reliability analysis of the groundwater conceptual model. *International Journal of Human and Ecological Risk Assessment*, 19(2): 515-525.
- **Xiankui Zeng**, Dong Wang, Jichun Wu. 2012. Sensitivity analysis of the probability distribution of groundwater level series based on information entropy. *Stochastic Environmental Research and Risk Assessment*, 26: 345 - 356.
- **Xiankui Zeng**, Dong Wang, Jichun Wu. 2012. Uncertainty assessment of groundwater

prediction. New theory and methods in risk analysis and crisis response – The 5rd annual meeting of risk analysis council of China association for disaster prevention, Nanjing, China. Nov., 27-28, 2012. Atlantis Press.

- **Xiankui Zeng**, Dong Wang, Jichun Wu. 2011. The reliability analysis of groundwater conceptual model. 3rd International Conference on Risk Analysis and Crisis Response, Texas A&M Int Univ, Laredo, TX. May, 22-25, 2011. Atlantis Press, 16:67-71.
- Jun Li, Wenxi Lu, **Xiankui Zeng**, et al. 2010. Analysis of spatial-temporal distributions of nitrate-N concentration in Shitoukoumen catchment in northeast China. *Environmental monitoring and assessment*, 169(1-4):335-345.
- **Xiankui Zeng**, Dong Wang, Jichun Wu. 2012. Uncertainty analysis of groundwater flow conceptual model. *Journal of Nanjing University (Natural Sciences)*, 48(6):746-752. (In Chinese)
- **Xiankui Zeng**, Wenxi Lu, Weizhuo Wang, et al. 2009. Review of the research of the integrated groundwater and surface water modeling. *Yellow River*, 31(11): 47-49. (In Chinese).
- **Xiankui Zeng**, Liangping Feng, Wenxi Lu, et al. 2009. Discussion on influence of underlying surface on groundwater-surface water coupled numerical simulation. *Journal of China hydrology*, 29(6):35-38. (In Chinese).

Research Projects Participated:

- 2010-2012, Uncertainty analysis of groundwater numerical simulation, by China's NSF.
- 2010-2012, Research of the predictive model of complex and uncertain river runoff series based on information entropy, by China's NSF.
- 2011-2013, Numerical simulation of the DNAPLs in heterogeneous soil-groundwater system, by China's NSF.
- 2009-2012, the Skeleton Young Teachers Program and Excellent Disciplines Leaders in Midlife-Youth Program, by Nanjing University.
- 2009-2012, Water Resources Public-welfare Project, by the Ministry of Water Resources of China.

Reviewer for Journals and Foundation:

- Stochastic Environmental Research and Risk Assessment
- International Journal of Human and Ecological Risk Assessment
- Hydrogeology Journal
- China's National Science Foundation

Conferences attended:

- The 5rd Annual Meeting of Risk Analysis Council of China Association for Disaster

Prevention, Nanjing, China. Nov 27-28, 2012.

- China Water Forum, Wuhan, China, Aug 24-26, 2012.
- International Groundwater Forum, Baoding, China, July 6-7, 2012.
- The International Symposium on Impacts of Climate Change on Water Resources in Arid and Semi-arid Regions, IWRA, Xian, China, Oct 21-23, 2011.
- International Groundwater Forum, Changchun, China, June 29-30, 2008.

Programming skills:

- Proficient with programming in Fortran, Visual Basic.
- Experienced in hydrogeological and hydrological Models such as MODFLOW, MT3DMS.
- Skillful in using groundwater and hydrology software such as GMS, Aquifer Test, and ArcGIS.