# PEIGUI LIU

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**ACADEMIC POSITION** **2009-Present**
Lecturer in School of civil Engineering, Hefei University of Technology. Courses on Groundwater hydrogeology and Hydrogeology.

**EDUCATION** **PhD Hohai University**, **Nanjing, China**, Water Resources and Hydrology, *Sep.2004-Dec.2008 (The Master period of Master-and-Doctoral program which is for the student who only obtained the Bachelor's degree with outstanding academic achievements in the undergraduate study. After the completion of this program, the student can be directly granted the PhD degree without needing the Master's degree. Sep.2006-Feb.2008)*
**Thesis:** Risk Estimation Model and its Application on Groundwater Pumping
**Advisor:** Professor Longcang Shu

**BS** **Shandong Agricultural University, Taian, China,** Water Resources and Hydrology Engineering, *Sep.2000-Jul.2004*

**RESEARCH INTERESTS**
- Interaction between groundwater and surface water
- Groundwater thermal transport in shallow aquifer
- Risk analysis of groundwater resources evaluation
- Hydrological experiment and groundwater modeling

**PROFESSIONAL EXPERIENCE** **April 2006-March 2007**
Risk analysis of decision making for groundwater exploitation along river

**June 2006-November 2006**
Research on the multiple utilization of water resources in Xulou mining area, Anhui province, China

**July 2007-November 2008**
Complete the groundwater resources assessment in Dalu well field, Inner Mongolia province, China.

**May 2009-March 2010**
Complete the evaluation analysis of mine drainage on surrounding groundwater flow system, case study Huoqiu, China

**September 2010- June 2011**
Complete the mine drainage investigation and assessment of Anhui province.

**January 2011- December 2011**
Environmental impact assessment of groundwater using numerical simulation model, case study Lujiang mining area, China

**June 2011**

Participate in the field experiments of pumping tests and permeability tests in a typical mining area, in the middle of China.

**January 2010-December 2012**
Research on the mechanism of non-continuous flow in continuous medium and its application to the mine drainage prediction.

**March 2012-August 2012**
Complete the groundwater resources assessment of Xinjiang province, China.

**December 2012-Present**
Research for groundwater thermal transport in shallow aquifer

## PUBLICATIONS

***Journal Papers***

Liu, PG., Tao YZ., 2012. Risk of groundwater allowable withdrawal evaluated using water balance method. Journal of Jilin University (Earth Science Edition).

Liu, PG., Tao YZ.., 2011. Influence analysis of mine drainage on surrounding groundwater flow system in hilly area. Geotechnical Investigation and Surveying.

Liu PG, Tao YZ.. Impact assessment based on the non-continuous flow of water yield of mine. Submitted to: Environmental Earth Sciences.

Liu PG, Shu LC.., 2008. Fuzzy-stochastic method for reliability analysis of groundwater allowable withdrawal. Journal of Hydraulic Engineering.

Liu PG, Shu LC., 2008. Uncertainty on numerical simulation of groundwater flow in the riverside well field. Journal of Jilin University (Earth Science Edition).

Liu PG, Shu LC.. 2008. Stochastic method for reliability analysis of groundwater safe yield. Geotechnical Investigation and Surveying.

Shu LC., Liu, PG. Ongor B.T.. 2008 Environmental impact assessment using FORM and groundwater system reliability concept: case study Jining, China. Environmental Geology., 55(3): 661-667.(Liu PG: Correspongding author)

***Conference paper***

Shu LC., Liu, P G., Ongor B.T.. Application of M-C and JC methods on uncertainties analysis in groundwater resources evaluation. Proceeding of International Symposium on Flood Forecasting and Water Resources Assessment for IAHS-PUB. 2006. (Liu PG: Correspongding author)

## AWARDS

**Sep.2007**

Excellent student Scholarship of Hohai University ( 1rd Prize)

**June 2009**
Excellent Graduate of Hohai University

**July 2012**
The First Prize in the Third Young Teachers' Lecture Competition of China

**Dec. 2012**
Excellent advisor of Hefei University of Technology

**STRENGTH**

**Broad interests in different disciplines**

**Highly creative ability and interdisciplinary research skills**

**Enjoy team work and good at independent work**

**PROGRAMMING SKILLS**

**Programming**: C

**Software**: MODFLOW, GMS, ArcGIS, Surfer, Hydrus-1D, AutoCAD