

## **Liying Wang**

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### **EDUCATION**

**Master and Ph.D.** in Water Resources and Hydroelectric Engineering, College of Water Resources and Hydroelectric Engineering, Wuhan University, China, December 2007.

**Dissertation:** Experiment and Simulation of Transformation and Transport of Nitrogen and Phosphorus in Saturated-unsaturated Soils

**Advisor:** Jinzhong Yang

**Bachelor of Science** in Engineering of Irrigation and Water Conservancy, College of Water Resources and Hydroelectric Engineering, Wuhan University, China, July 2002.

### **PROFESSIONAL EXPERIENCE**

**Engineer** 12/2007-present  
China Water Resources Pearl River Planning Surveying & Designing Co., Ltd.

### **RESEARCH EXPERIENCE (as major participant)**

- [1] Basic Research of the Contamination Transformation and Transport in Soils Irrigated With Treated Sewage (National Basic Research Program of China )
- [2] Rules Research and Control Methods on Transformation and Transport of Nitrogen and Phosphorus in soils Irrigated With Treated Sewage (National Basic Research Program of China )

## LIST OF PUBLICATIONS

### Journal Articles

1. **Wang Li-ying** , Yang Jin-zhong., et al., (2008), Simulation of Nitrogen and Phosphorus Transport and Transformation in Saturated-Unsaturated Soil, *Earth Science —Journal of China University of Geosciences*, Vol . 33 ,No . 2, 266-272. (in Chinese).
2. J.Yang., **L.Wang.**, et al., (2008), Experiment and Numerical Simulation of Nitrogen Transport in Soils Irrigated With Treated Sewage. *Irrigation and Drainage*. 57: 203-217. DOI: 10.1002/ird.354.
3. **Wang Li-ying** , Yang Jin-zhong., et al.,(2006) ,Field Experimental Study of Nitrogen Transport in Sewage Irrigation During the Growth of Winter Wheat, *Journal of Irrigation and Drainage*, Vol .25 ,No . 6, 1-4. (in Chinese).
4. ZHU YAN, YANG JINZHONG & **WANG LIYING**, (2009) , Experimental ,numerical and sensitive analysis of nitrogen dynamics in soils irrigated with treated sewage. SCIENCE IN CHINA Series E Technological Sciences. 2009, 52 (11) : 3279~3286.

### Conference Articles

1. **L.Y. Wang.**, J. Z. Yang, C. Y. Lu & Jayawardane. (2007): Experiment and numerical simulation of nitrogen transport in soil. Twelfth International Symposium on Water-Rock Interaction, 1361~1365 ,Kunming, China.
2. L. Zhu., J. Yang., **L. Wang.** (2007), Numerical simulation of the transport of water in soil with macropores, Twelfth International Symposium on Water-Rock Interaction, 1367~1370. Kunming, China.
3. Jinzhong Yang , Yan Zhu , **Liyang Wang**, (2009) , the Sensitive Analysis of Nitrogen Transport and Transformation in Soils (in Chinese), Symposium on Challenges of Water Resources and Water Environment Problems in China.