Junqi Huang, Hydrologist in EPA's National Risk Management Research Laboratory

Groundwater, Watershed, and Ecosystem Restoration Division
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Areas of Expertise:

- Subsurface environmental protection and remediation
- Groundwater flow, and fate and transport of contaminants through porous and fractured media

Select Publications:

Mark Goltz and **Junqi Huang** (2017), Analytical Modeling of Solute Transport in Groundwater: Using Models to Understand the Effect of Natural Processes on Contaminant Fate and Transport, ISBN:9780470242346, Copyright © 2017 by John Wiley & Sons, Inc.

Huang, J. and M. Goltz (2017), Analytical solutions for a soil vapor extraction model that incorporates gas phase dispersion and molecular diffusion, Journal of Hydrology, (549), p 452–460.

Huang, J., J. A. Christ, M. N. Goltz, and A. H. Demond (2015), Modeling NAPL dissolution from pendular rings in idealized porous media, Water Resour. Res., 51, 8182–8197, doi:10.1002/2015WR016924.

Huang, J., and M. N. Goltz (2015), Semianalytical solutions for transport in aquifer and fractured clay matrix system, Water Resour. Res., 51, 7218–7237, doi:10.1002/2014WR016073.

Bell, J., M. Goltz, **J. Huang**, J. Christ, and A. Demond. Models Show Subsurface Cracking May Complicate Groundwater Cleanup at Hazardous Waste Sites. The Military Engineer. Society of American Military Engineers, Alexandria, VA, , 59-60, (2015).

Huang, J., J. A. Christ, and M. N. Goltz (2010), Analytical solutions for efficient interpretation of single-well push-pull tracer tests, Water Resour. Res., 46, W08538, doi:10.1029/2008WR007647.

View more research publications by Junqi Huang

Education:

- Computer Science Programs, Wright State University, 2006
- Ph.D., The Institute of Porous Flow and Fluids Mechanics, The Chinese Academy of Sciences; Fluid Mechanics, 1990
- B.A., Hebei College of Geology, China; Hydrogeology, 1982

Professional Experience:

- Program Principal Investigator, 2010 Strategic Environmental Research and Development Program, DoD, SERDP Project ER-1737
- Embassy Science Fellows Program, Beijing, China, 2017

Awards and Honors

- Science and Technology Achievement Award (STAA) Honorable Mention, 2016
- USEPA 2016 Regional Administrator's Priorities Award