



Assignment

Associate Scientist I

Education

*Ph.D., Subsurface Hydrology/
Mathematics, University of
Arizona, Tucson, 2002*

*M.S., Hydrogeology, University of
Technology (CDUT), China, 1989*

*B.S., Hydrogeology, Chengdu
University of Technology, China,
1984*

Summary

Dr. Wang has more than 20 years of professional experience in the hydrogeologic field. His technical expertise includes numerical modeling of multiphase flow and contaminant transport in saturated and unsaturated porous and fractured medium, developing flow and transport codes and design of window-based software, estimation of hydraulic parameters via direct and indirect methods, application of statistics, geostatistics and stochastic methods in hydrogeology, sensitivity and error analysis, and site characterization. His experience includes work as a hydrogeologist in China Geological Survey, Lecturer and Associate Professor at Chengdu University of Technology, and Hydrogeologist at an Arizona-based water management consulting company. Dr. Wang received a B.A. and a M.S. in hydrogeology from the Chengdu University of Technology in 1984 and 1989, and a Ph.D. in subsurface hydrology from the Department of Hydrology and Water Resources at the University of Arizona in 2002. He is a member of the America Geophysical Union (AGU) and Soil Science Society of America (SSSA). He is also a member of Groundwater Resources Association of California (GRA) and National Groundwater Association (NGWA). Dr. Wang is well-versed in various modeling software including TOUGH2/ITOUGH2, MODFLOW, PEST, MT3D, GW Vistas, PATH3D, MODPATH, FLOWPATH, HYDRUS-1D/2D, UNSAT, HEC, ROSETTA, AQTESOLV, PHREEQC, and MINTEQ.

Since joined the Wildermuth Environmental Inc., Dr. Wang has successfully conducted and finished many important projects, such as **Contaminant Source Investigation in Newmark Groundwater Contamination Superfund Site, Engineering Support of RIX Expansion, Nitrate Source Investigation and Simulations in Beaumont Basin, Subsidence Simulations in Chino Basin, Ontario Contamination Simulation and Remediation, Chino Airport Contamination Plume Simulation and Remediation, and Recycled Water Transport Modeling in Antelope Valley and Chino Basin, etc.** As a chief modeler, Dr. Wang has developed high-resolution regional groundwater flow and solute transport models in **Beaumont Basin, Arlington Basin,** and transport model in San Bernardino Basin. Currently Dr. Wang is in charge to re-develop and conduct flow and transport models in Chino Basin with implemented vadose zone model.