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Asst. & Assoc. Professor (with tenure), Geology, K-State, 2008 -



## Research Interests

- **Aqueous Geochemistry & Hydrogeology**
- **Trace Element Biogeochemistry in Waters**
- **Groundwater Contamination and Assessment**
- **Isotope Geochemistry and Urban Waters**
- **Geologic CO<sub>2</sub> Storage and Drinking Water**
- **Security**
- **Critical Zone Processes and Chemical Weathering**
- **Societal Impacts of Environmental Pollution**



# Current Research

**1) CO<sub>2</sub> Capture and Storage in Saline Aquifers, Kansas and Groundwater Protection**

**2) Uptake of Toxic Trace Metals by Plants and Food Security – Arsenic and Rice**

**3) Water Quality Monitoring and Groundwater Contamination**

- Arsenic groundwater calamity, South-east Asia
- Tungsten in Fallon, NV groundwater and sediment
- Nitrates in Kansas Groundwater (Sylvan Grove)
- Selenium in Kansas Groundwater and Utah surface waters

**4) Urban Waters, Watershed Hydrology, Surface Water Protection from Pathogens**

**5) Protection of Ecosystem and Irrigation Water Cycling**

**6) Geochemical Modeling and Biogeochemistry**



# Journal of Environmental Analytical Chemistry

Open Access





## Journal of Environmental Analytical Chemistry Related Journals

- Natural Products Chemistry & Research
- Organic Chemistry
- Environmental & Analytical Toxicology



## Journal of Environmental Analytical Chemistry Related Conferences

- International Summit on Past and Present Research Systems of Green Chemistry



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