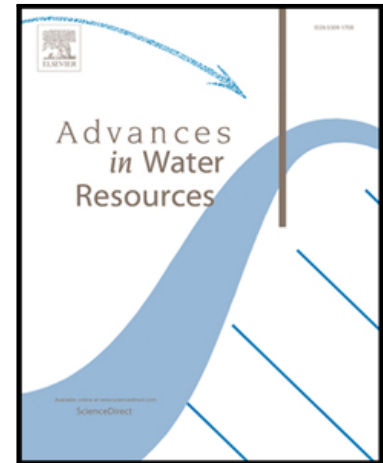


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Impacts of physical and chemical aquifer heterogeneity on basin-scale solute transport: vulnerability of deep groundwater to arsenic contamination in Bangladesh

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Highlights

- Arsenic transport in groundwater in the Bengal Basin is simulated
- Heterogeneity in K causes preferential flow and fast flowpaths to depth
- Pumping rate and depth are more important than configuration
- Effects of heterogeneity in K_d are dependent on correlation with K
- Vulnerability to large-scale contaminant transport is affected by heterogeneity

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