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**ASSESSMENT AND MAPPING OF GROUNDWATER
VULNERABILITY TO POLLUTION: CURRENT STATUS AND
CHALLENGES**

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Abstract

Increasing groundwater contamination across the globe triggered the concept of “*aquifer vulnerability*”, which has been extensively used worldwide during past three to four decades by researchers and policy makers for protecting groundwater from pollution. However, only a few recent studies have focused on the performance evaluation of two or more vulnerability assessment methods. Some of these studies have resulted in contrasting findings. Given this fact and considering growing threat of groundwater contamination due to increasing human activities across the globe, it is necessary to critically review existing methods, understand

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