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Flow Dynamics in Vadose Zones with and without Vegetation in an Arid Region

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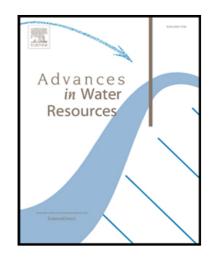
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## Highlights

- Vegetation impacts on the flow dynamics 3 m deep in the vadose zone.
- Pressure head profiles in the vadose zone reflect heterogeneity distribution in the vadose zone.
- The atmospheric, water table boundary conditions and root systems of plants control the dynamics.

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