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Spatial and temporal dynamics of pathogenic *Leptospira* in surface waters from the urban slum environment

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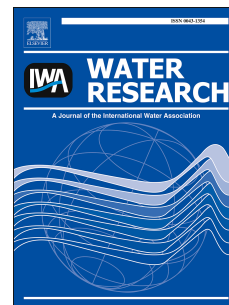
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High risk
urban slum

Surface water
sampling

Leptospira
quantification

Spatiotemporal
predictors



Sewage



Standing water

- ✓ Sewage and standing water
- ✓ Dry, intermediate and rainy seasons
- ✓ Morning and afternoon
- ✓ Different areas of the valley

>33% positive

~150 GEq/mL

More risk in:

- Rainy season (sewage)
- Bottom of the valley

Association with leptospirosis
outbreaks after rainfall



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