









## Student Thesis Competition (STC) Season 5 on "Re-imagining Urban Rivers"

ASSESSING THE INFLUENCE OF LANDCOVER CHANGES ON THE BASEFLOW REGIME:

A CASE OF BHARATHAPUZHA RIVER

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"A river doesn't just flow from mountains-it flows from the ground beneath. When baseflow dries up, the river dies silently.

changes

What Stops a River From Flowing?



Why this Study?

- Declining flows and ecological degradation
- Unregulated land cover
- Lack of flow-sensitive strategies, like baseflow and groundwater analysis, hinders effective rejuvenation.
- A localized, data-driven approach is needed to support sustainable planning and river-sensitive interventions in Kerala.



**Gardens**