

- Landscape Metrics and Modelling
- **Morphometric analysis and Watershed management**
- Landslide Susceptibility Assessment and Zonation

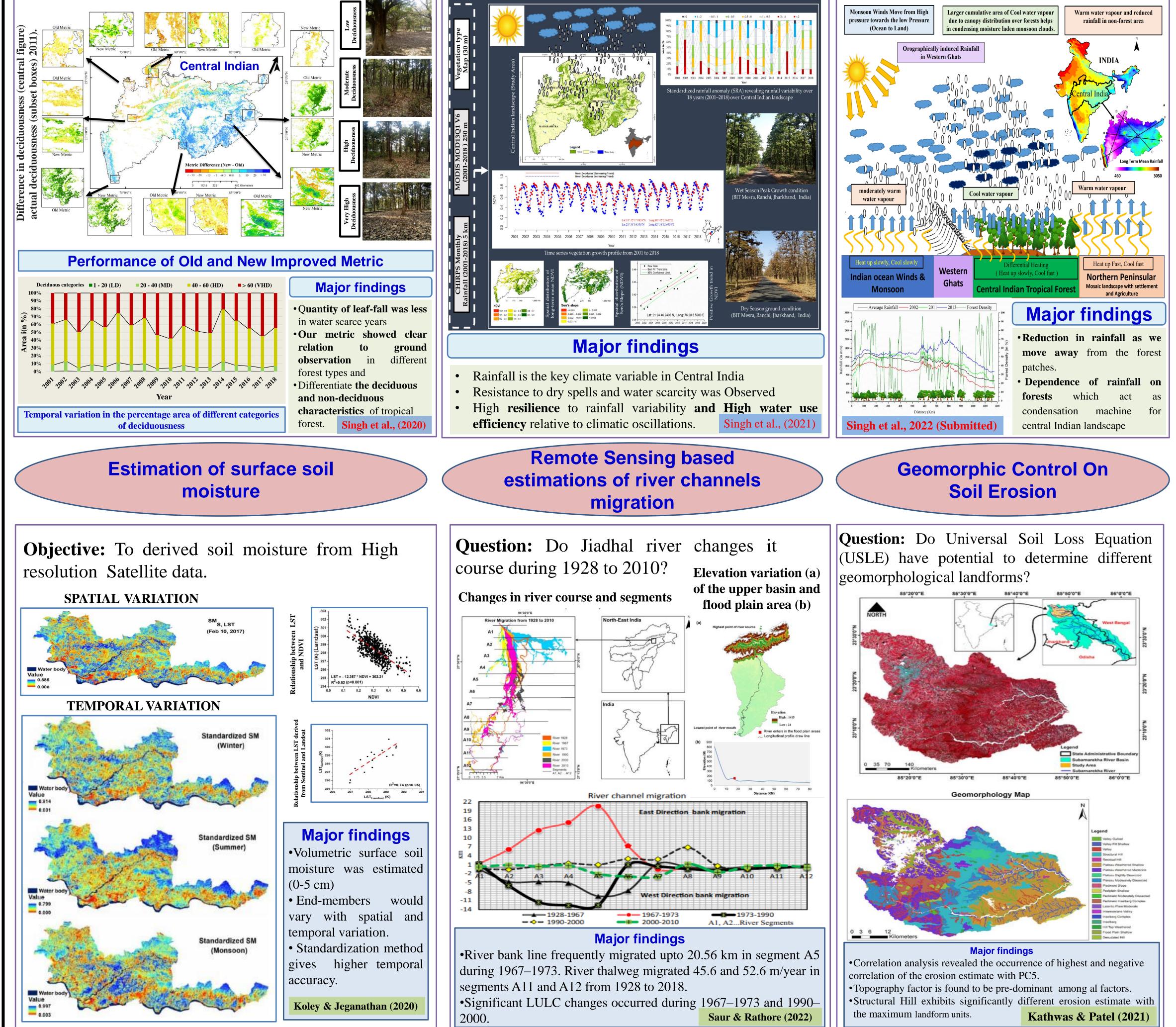
Major findings

- 'Greening' indicates positive climate-vegetation feedback.
- Temperature Controls the vegetation growth in Meghalaya

Bhuyan et al., 2022(Under Review)

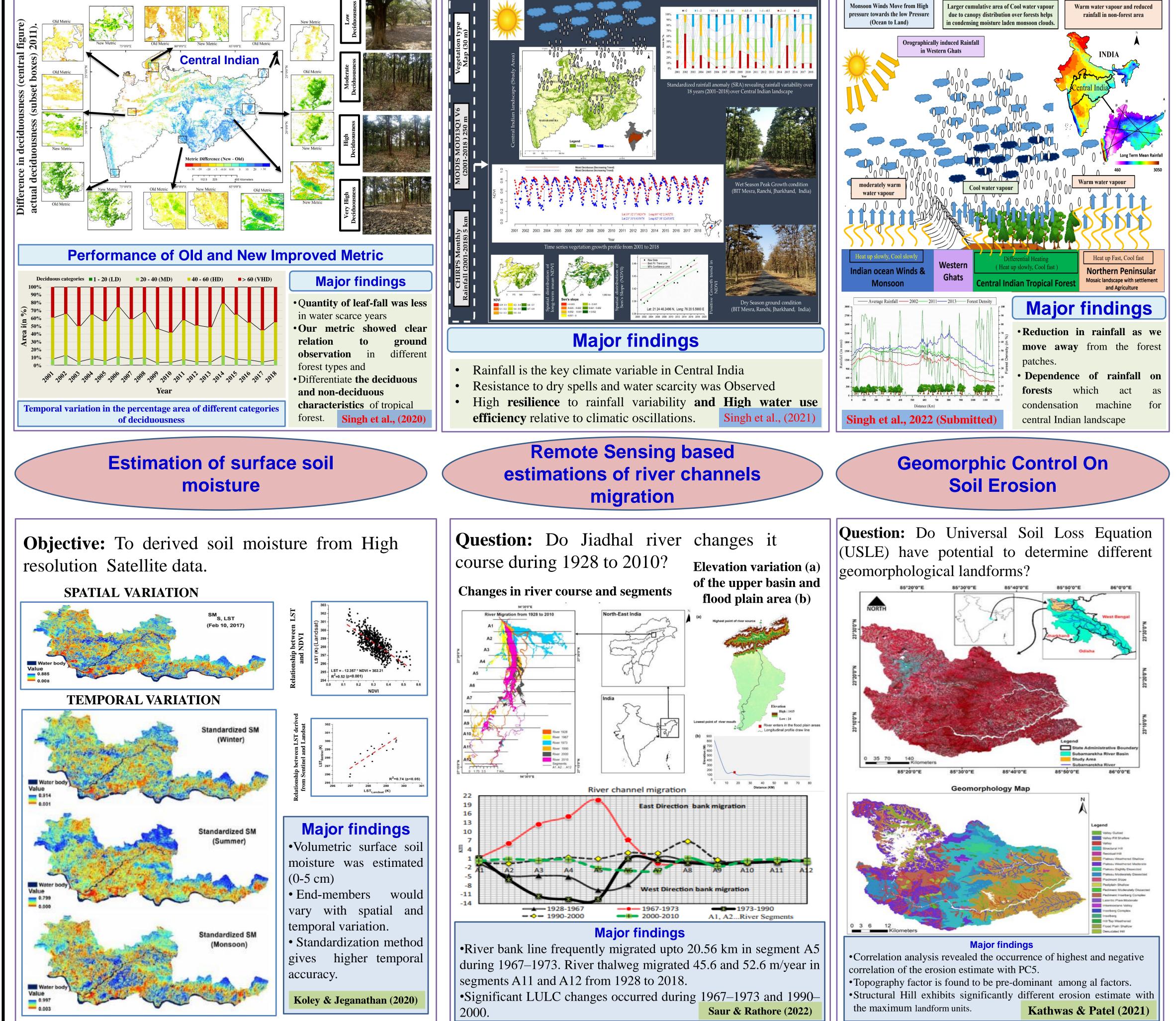
Leaf-Fall Estimation from Satellite Data

Objective: Develop **metric and quantifying** leaf-fall using remotely derived Satellite data.



Resilience of Central Indian Vegetation to rainfall variability

Question: Is the central Indian landscape **resilient to rainfall** variability?





influence on regional rainfall pattern?

