

Carbon Dynamics in Aghanashini Estuary, Ramsar Wetland of International Importance

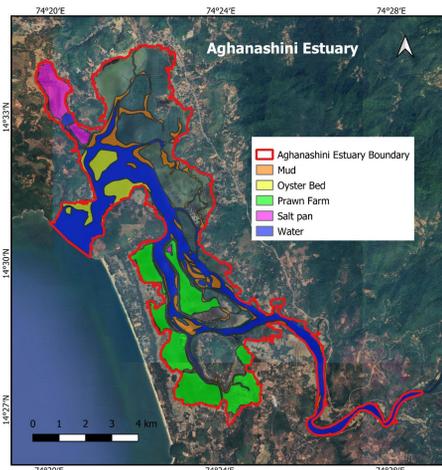
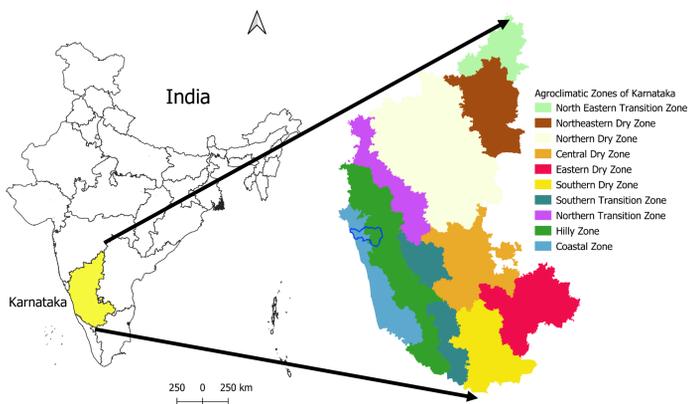
LAKE 2024: WETLANDS FOR HUMAN WELL-BEING [THE 14th BIENNIAL LAKE SYMPOSIUM]

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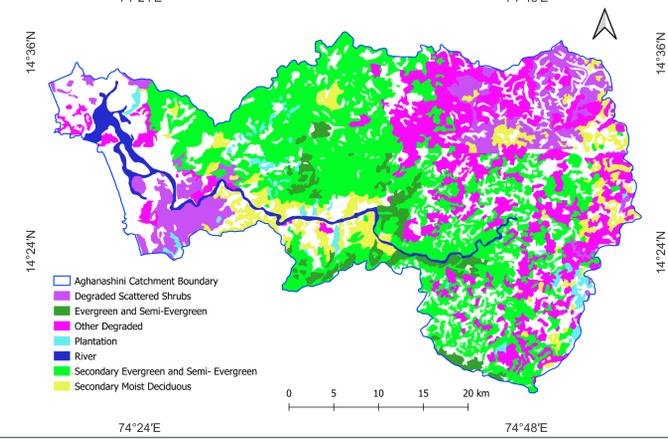


Study Area: Aghanashini Estuary - Ramsar Wetland

Aghanashini Estuary

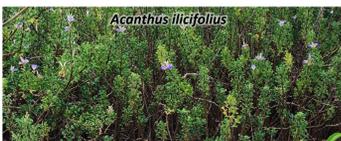
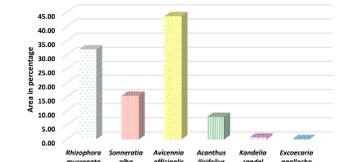
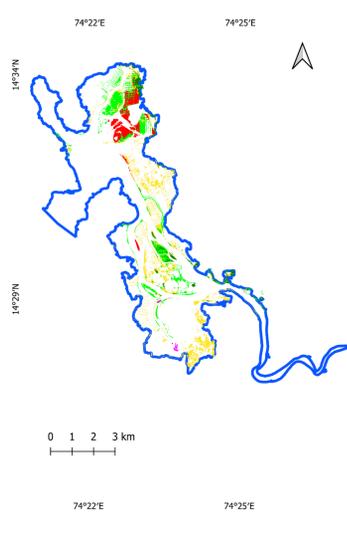


Aghanashini Catchment

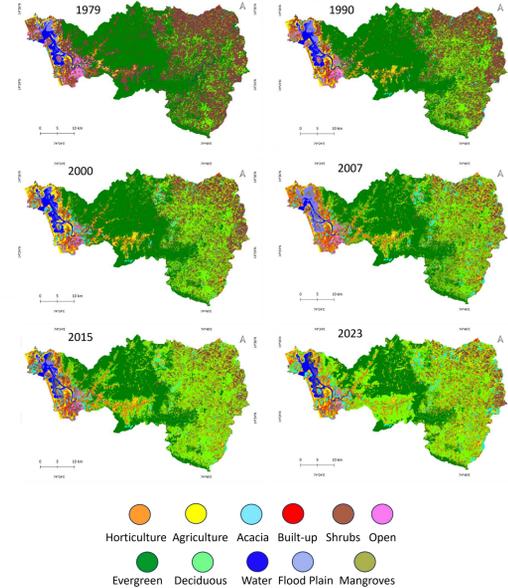
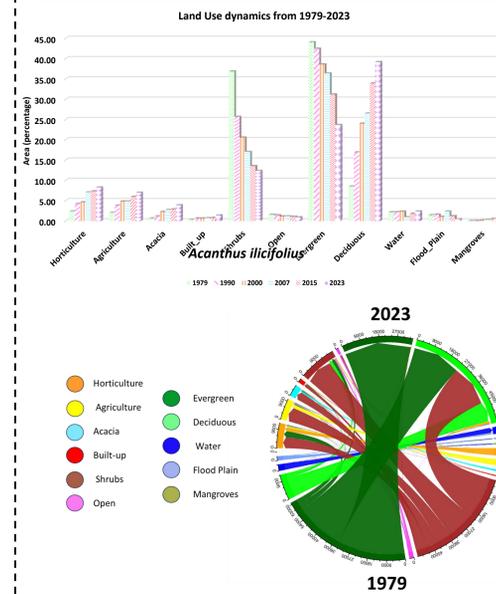


Species wise distribution of mangrove species in Aghanashini estuary

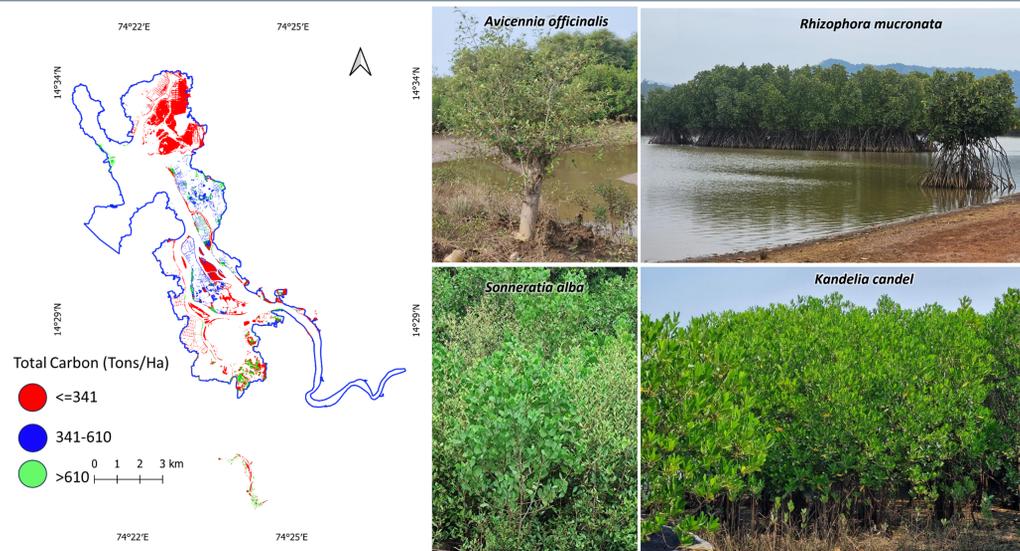
Species	%
<i>Rhizophora mucronata</i>	31.96
<i>Sonneratia alba</i>	15.52
<i>Avicennia officinalis</i>	43.75
<i>Acanthus ilicifolius</i>	7.99
<i>Kandelia candel</i>	0.70
<i>Excoecaria agallocha</i>	0.08



Land use analysis of Aghanashini catchment

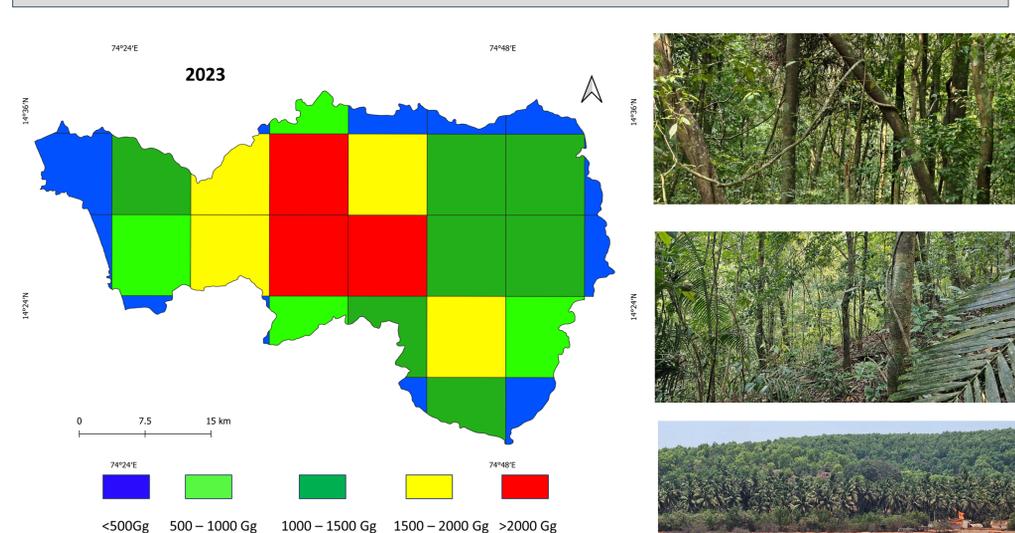


Carbon dynamics in Aghanashini Estuary



The carbon stock equivalent to 200 – 300 tons/ha.

Carbon dynamics in Aghanashini Catchment



The carbon stock equivalent to 100 - 200 tons/ha.



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