

INTERCONNECTION BETWEEN COASTAL DISASTER AND LAND
OWNERSHIP: ASSESSING THE TAMIL NADU SCENARIO

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ABSTRACT

Land use change is an area of concern at global level, particularly in Coastal regions impacts on socially and economically due to population and intensification of growth where the region is more vulnerable to the extreme disastrous events. The study investigates the link between coastal disasters and land ownership in Tamil Nadu, focusing on the impact of extreme weather events on land types like agricultural land, plots, and flats. It uses data from district-level property registration records, and meteorological observations from the Financial Year 2018-19 to 2022-23 to understand the effects of extreme weather events on land use dynamics in the coastal districts by employing the OLS Regression with (VCE) robust. The results show that agricultural land and plots are most affected by coastal disasters, while properties like agricultural land with buildings, flats, and plots with buildings show less impact. The study suggests the need for targeted interventions to address vulnerabilities associated with various land types and their ownership in the face of natural disasters. This understanding can help policymakers and stakeholders develop strategies for sustainable coastal development and resilience in Tamil Nadu.

Keywords: Land-Use Change, land ownership, Agricultural Land Conversion, Coastal Disaster Vulnerability

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