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Landslide Susceptibility Mapping and Assessment of Ketti Micro Watershed in Nilgiris District using Remote Sensing and Gis Techniques

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Abstract : The GIS and Remote sensing technologies have been useful in the field of mapping in recent days. It is possible to integrate spatial data's of different layers to determine the influence of various factors on landslide incidences. Based on the parameters such as slope, geomorphology, lineament, aspect, and present land use and soil thickness various thematic maps were prepared. By assessing proper ranks and weights the final landslide susceptible map was prepared. These maps were validated during field study.
Key words : Landslide susceptibility mapping, Ketti micro water shed, Nilgiris district, slope, geomorphology, lineament, aspect, present land use and soil thickness.

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