



RESEARCH ARTICLE :

Mapping of crop growing soils in Kannur micro watershed Kollegal taluk, Chamarajnagar district, Karnataka

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SUMMARY : The selected micro watershed belongs to Kollegal taluk of Chamarajanagar district. The micro watershed lies 20km away from Kollegal taluk head quarter. The Micro-watershed is located between 120 6'34.5" and 120 7'49.6"N latitude, 77015'30.9" and 770 14'20.2"E longitude, with an average elevation of 775m above Mean Sea Level (MSL). It occupies apart of the four villages viz., Kannuru, Anapura, Mangala, and Kangare. Composite soil surface sample in strategic manner to cover all farming systems of the watershed. Upland soils was slightly acidic to neutral, low lands soil reaction was neutral to slightly alkaline. The electrical conductivity of all the fertility points was negligible, The organic carbon content vary between low to medium, The cation exchange capacity of the soil varied from low to medium. The available nitrogen, phosphorus and potassium were low, low to medium and medium respectively and fertility maps of all nutrients prepared.

KEY WORDS:

Micro watershed,
Remote sensing (RS)
tools, Cation
exchange capacity,
GPS, Physiographic
units

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