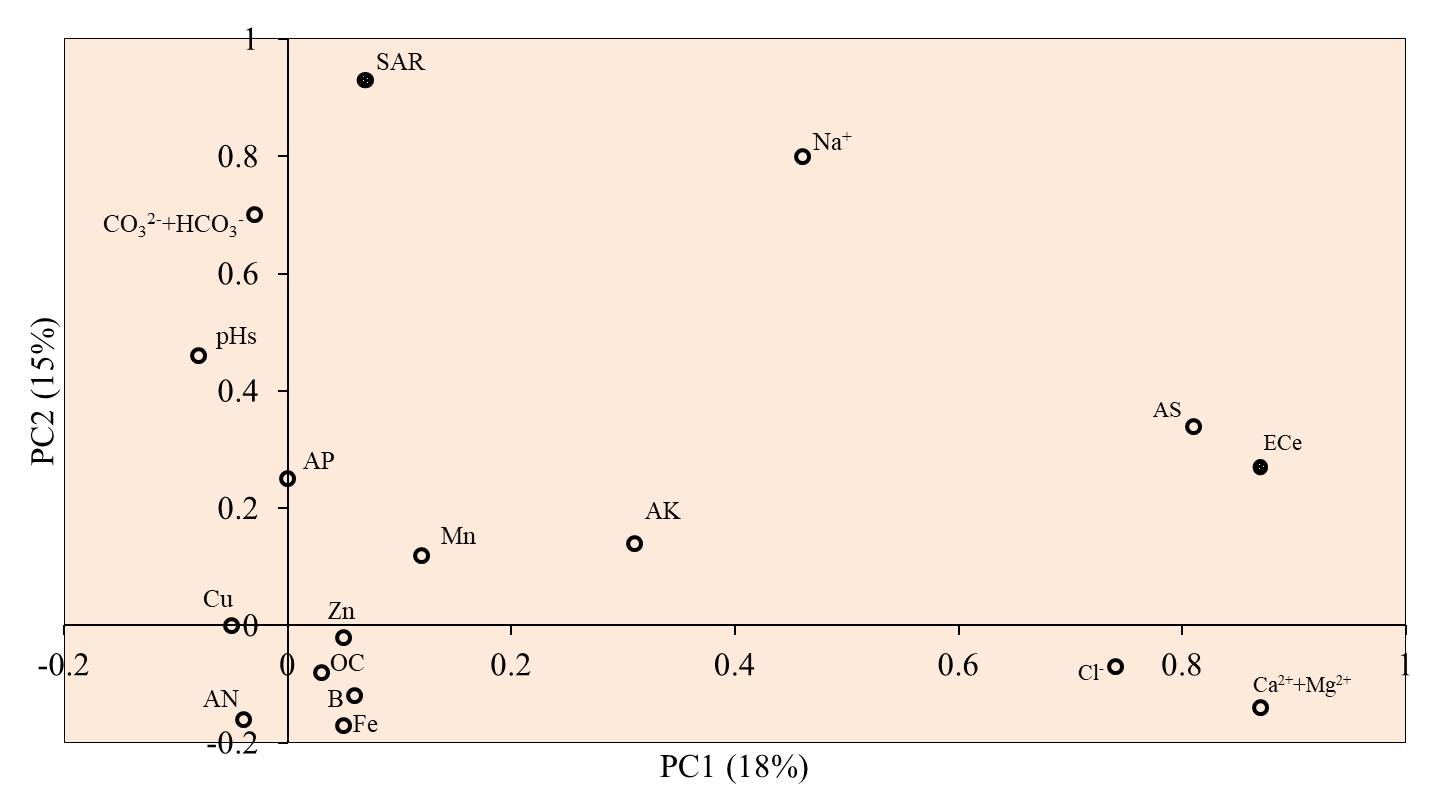
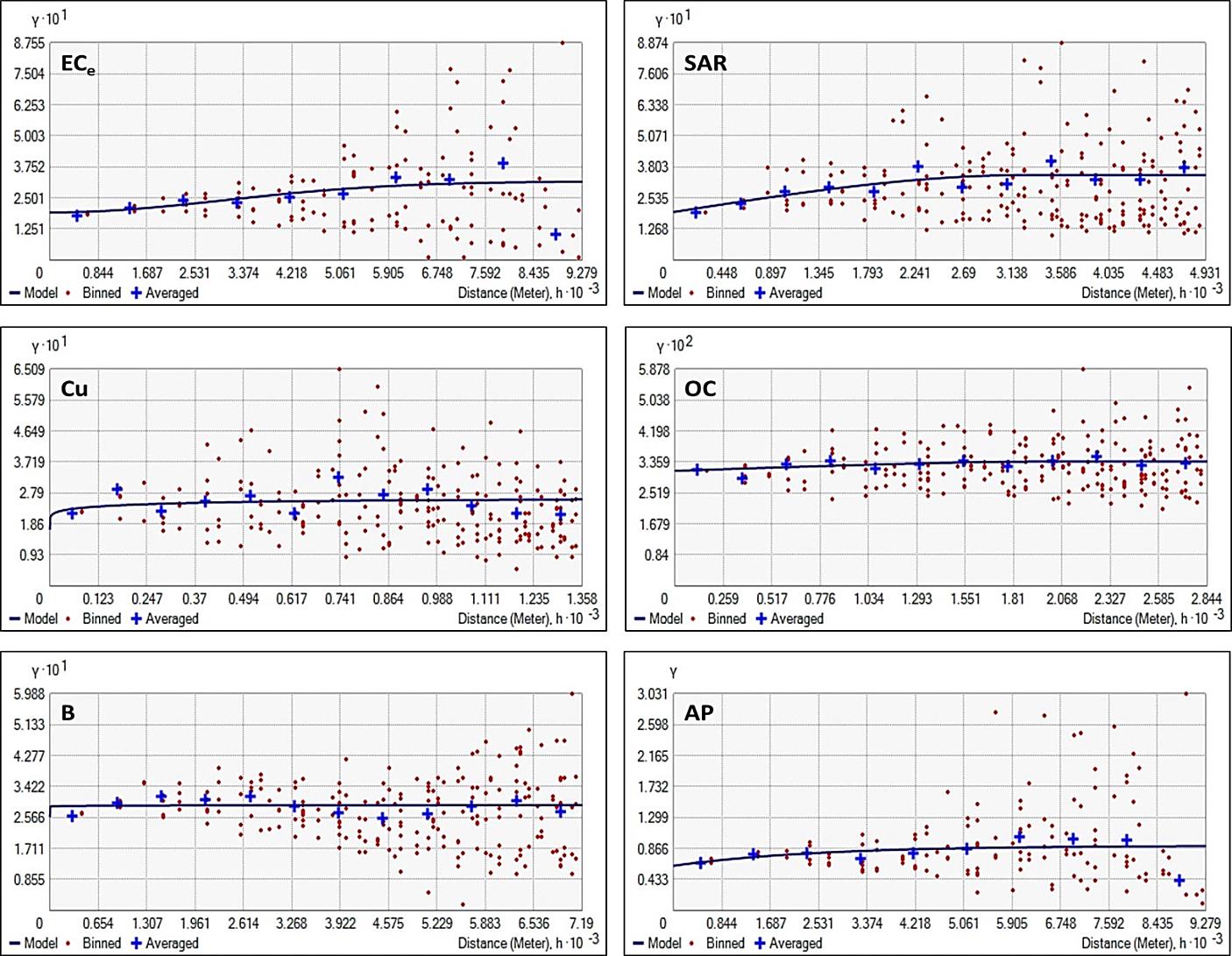


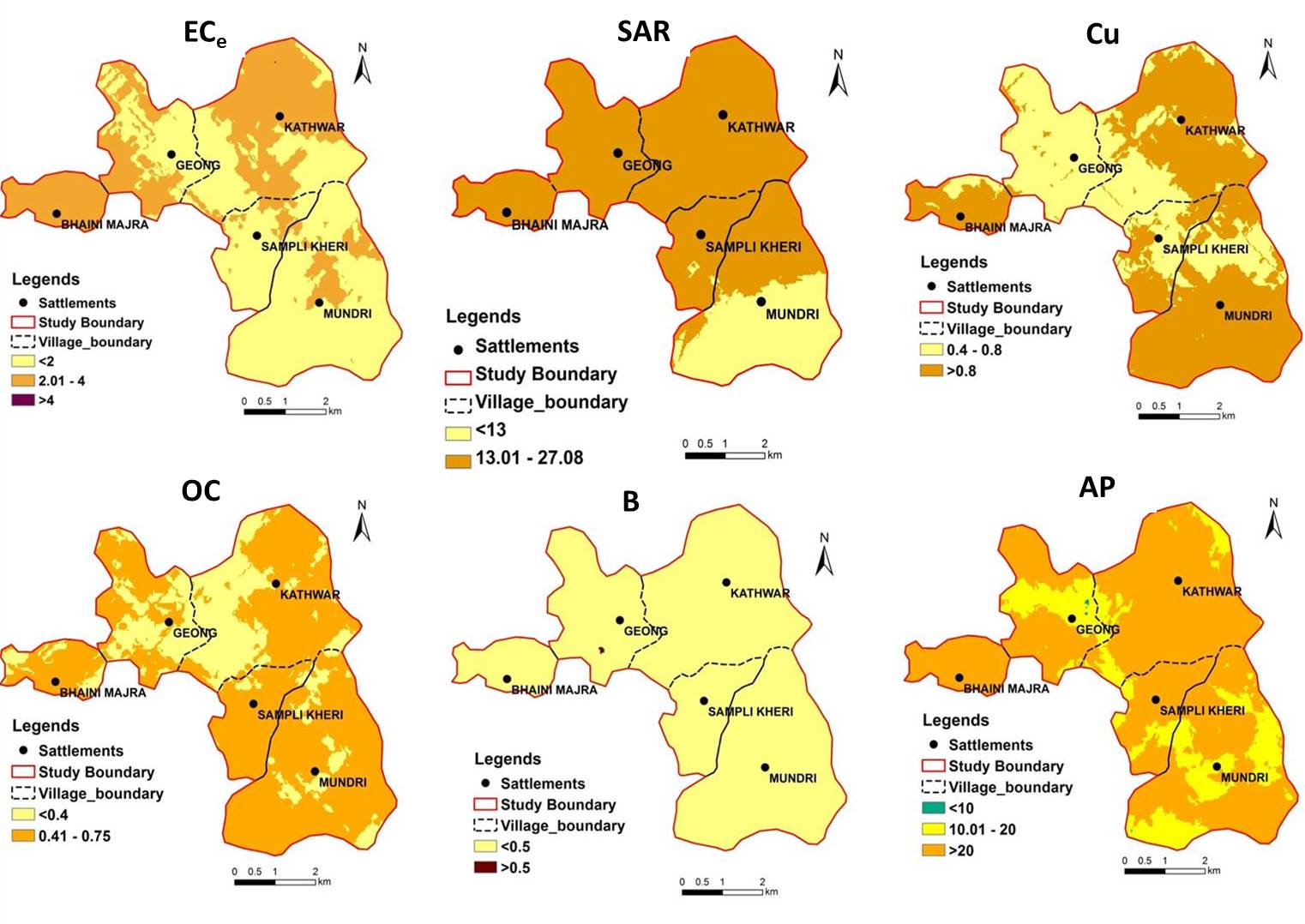
**Fig. 1.** Location map of study area and GPS marked soil sampling points

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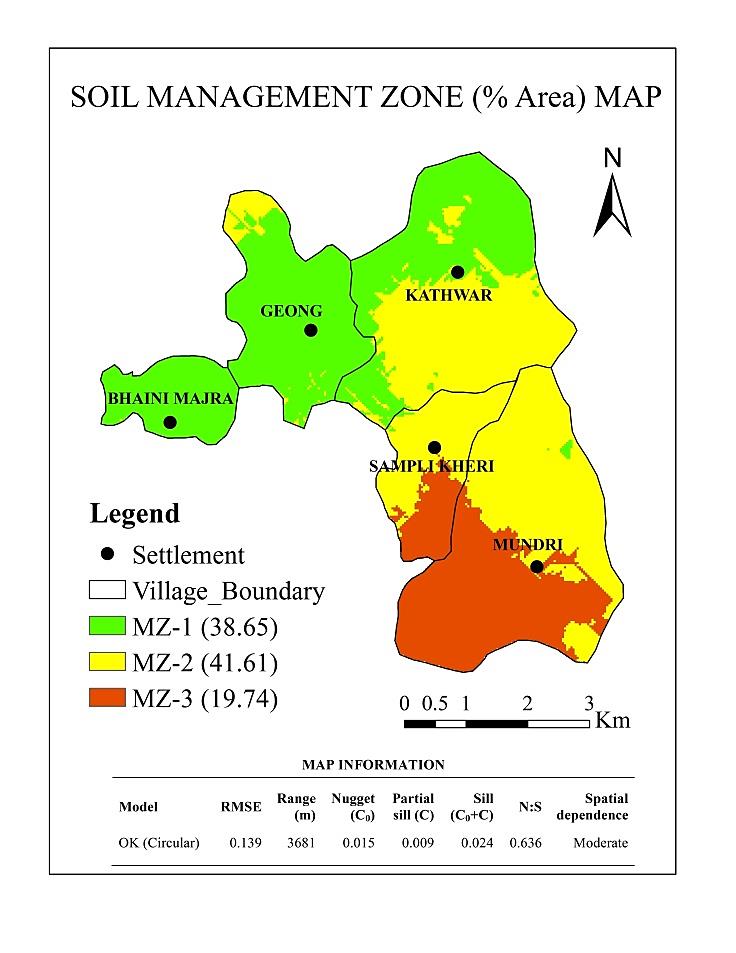
**Fig. 2.** Loading lot of soil sodicity and fertility parameters

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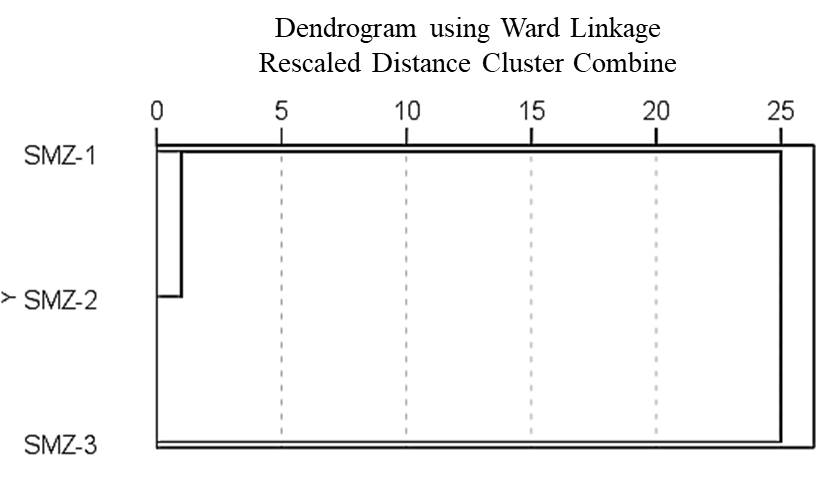
**Fig. 3.** Calculated semivariograms of principal soil parameters in response to selected best fit model



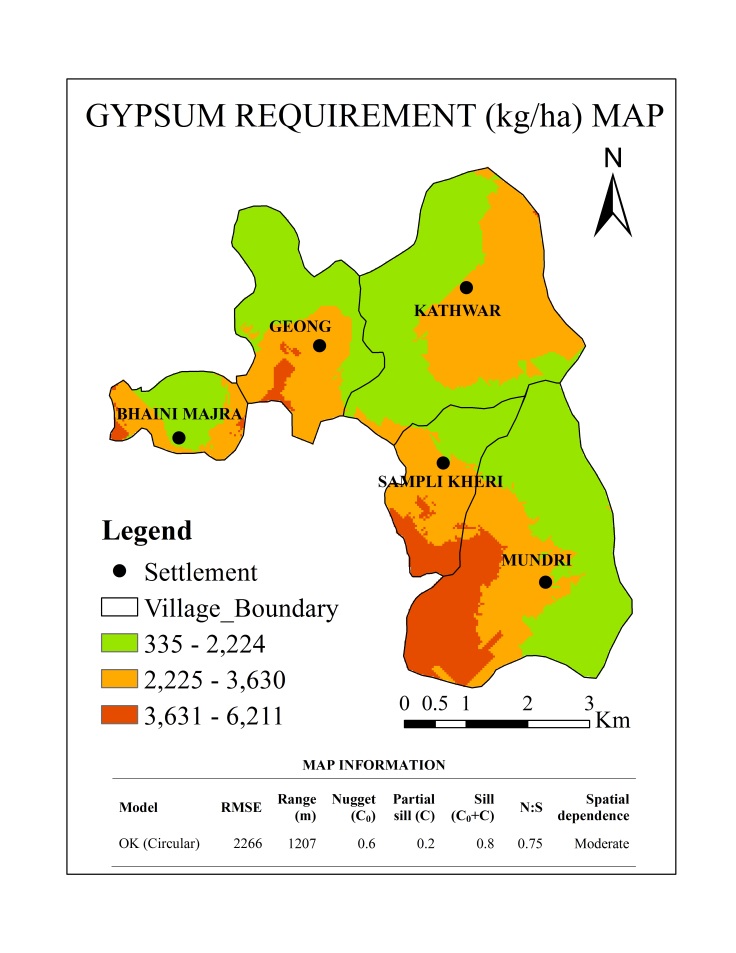
**Fig. 4.** Spatial variability of principal soil parameters to develop SQI and delineate SMZs



**Fig. 5.** Spatial variability and dependency of soil management zones parameters



**Fig. 6.** Dendrogram obtained by hierarchical clustering analysis of different SMZs



**Fig. 7.** Spatial variability for gypsum requirement