

Interactive comment on “Agricultural uses reshape soil C, N, and P stoichiometry in subtropical ecosystems” by H. Y. Liu et al.

D. Chen

chendj@zju.edu.cn

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Based on extensive data, this study addressed influence of agricultural activities and topography on soil C, N and P stoichiometry in a subtropical hilly catchment in China using geostatistical method. Results indicated that agricultural activities shaped d narrower soil C:N, C:P, and N:P molar ratios in relatively narrow ranges and its spatial variations with topography were remarkably reduced. For woodland ecosystems, the spatial distributions of nutrient levels as well as stoichiometry were influenced by topography factors (elevation and slope). These results improve our understanding of influence of agricultural activities on soil nutrient dynamics, especially for stoichiometry. To enhance concerns, it is necessary to extend the discussion concerning implications of changes in nutrient stoichiometry from agronomic and environmental perspectives.

C1

Remove “water” in “small water catchments” What means of the new topography variable “ES”?

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C2