

Figure 1 Pearson's correlation coefficients for artificial soil nutrient without landslide disturbance

Figure 2 Pearson's correlation coefficients for artificial soil nutrient after landslide disturbance

Figure 3 Highway slopes artificial soil sample comprehensive correlation calculation results classification under slope aspects and landslide. NL-E: Non-landslide-east-facing slope; NL-S: Non-landslide-south-facing slope; NL-W: Non-landslide-west-facing slope; NL-N: Non-landslide-north-facing slope; L-E: Landslide-east-facing slope; L-S: Landslide-south-facing slope; L-W: Landslide-west-facing slope; L-N: Landslide-north-facing slope. Different colored circles represented different grades. The red circle represented artificial soil nutrient grade I. The yellow circle represented artificial soil nutrient grade II. The green circle represented artificial soil nutrient grade III. The blue circle represented artificial soil nutrient grade IV. The purple circle represented artificial soil nutrient grade V. The black circle represented artificial soil nutrient grade VI.

Figure 4 Highway slopes artificial soil nutrient abundance and deficiency under slope aspects and landslide. Squares of different colors represent different nutritional conditions. The red square represented artificial soil nutrient grade I and II, which indicating the artificial soil nutrient are adequate. The pink square represented artificial soil nutrient grade III and IV, which indicating the artificial soil nutrient are medium. The white square represented artificial soil nutrient grade V and VI, which indicating the artificial soil nutrient are bereft. All results are inferred from supplementary table 3 to 10.

Figure 5 Path analysis of soil nutrient and its related indicators. Variables marked ** are significant at the 0.01 level. Variables marked * are significant at the 0.05 level.

Figure 1

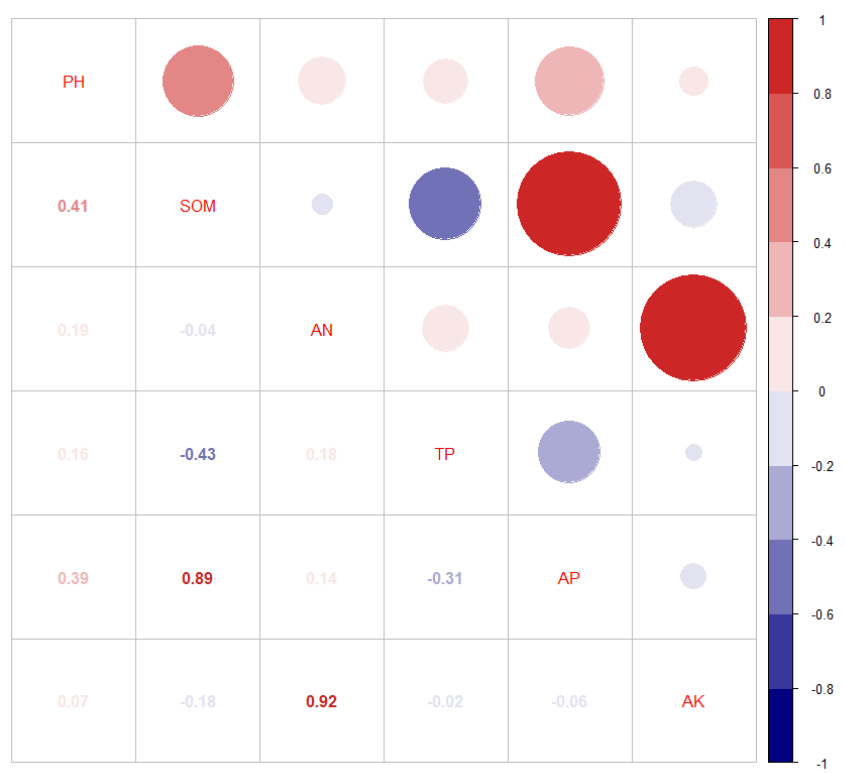


Figure 2



Figure 3

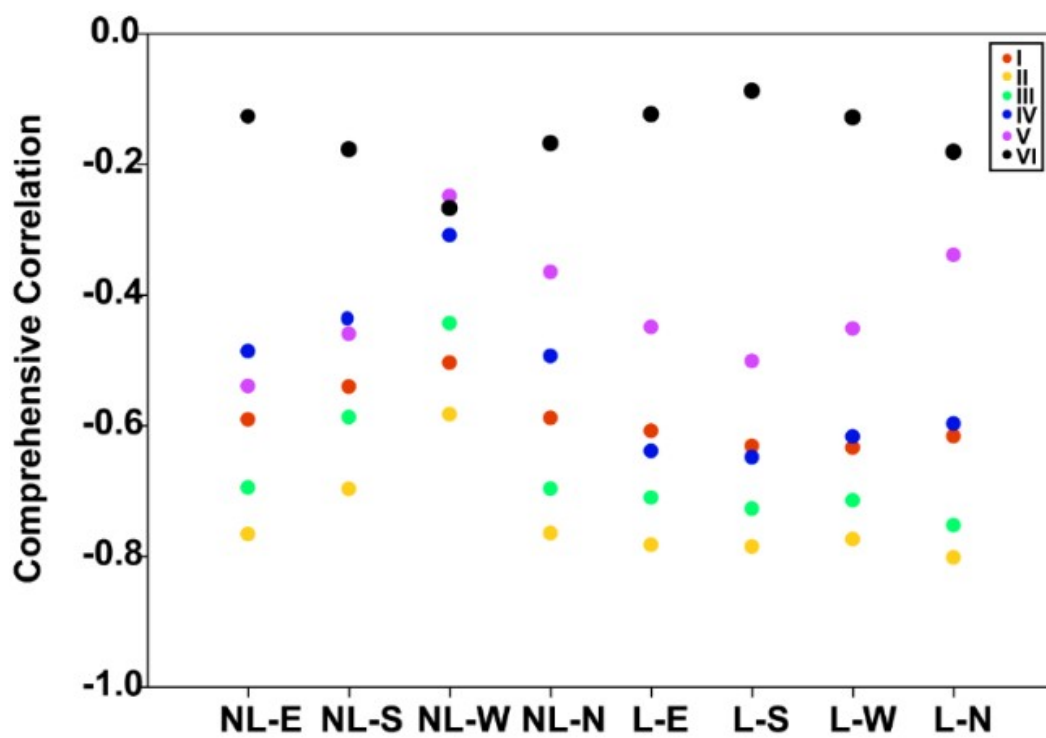


Figure 4

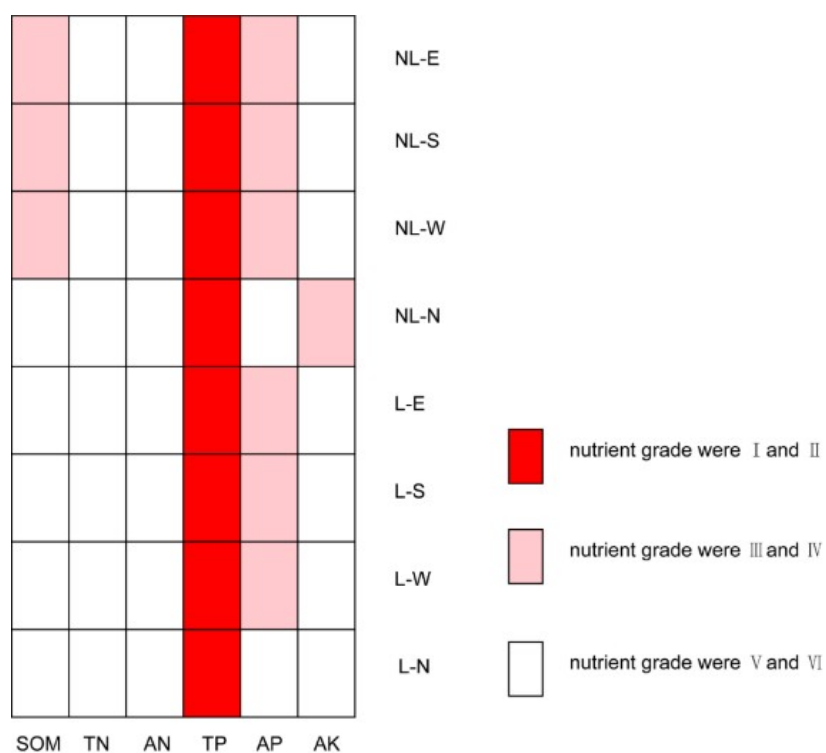
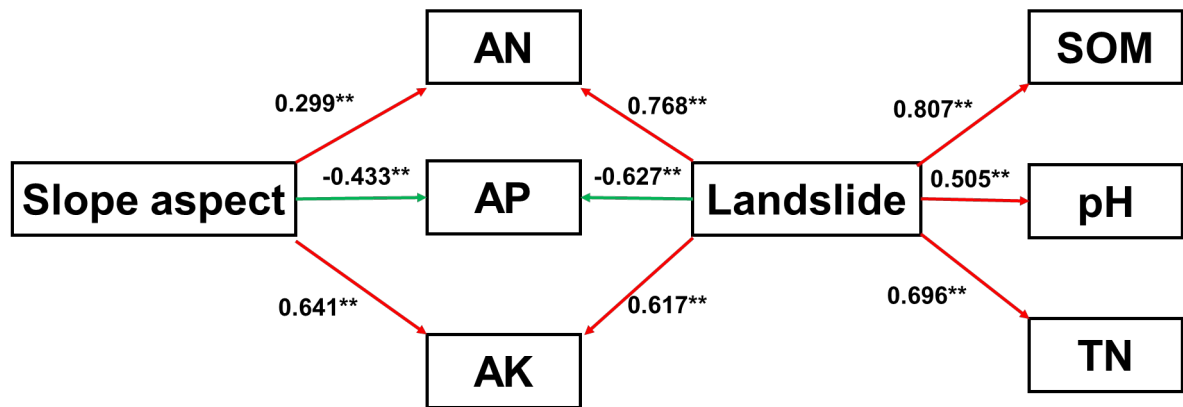


Figure 5



Chi-Square=1.672, DF=3, P=0.643, GFI=1.000, RMSEA=0