



Land Use Effect on Soil Properties in Abakaliki Southeastern Nigeria

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Abstract: The effect of different land use in selected soil properties was studied in 2016 at Abakaliki southeastern, Nigeria. Five replicate auger and core soil samples from A – land used for crop production, B - land used for cattle production, C - grass and shrub land and D - forest land were collected and used for the determination of selected soil physicochemical properties. The data obtained was subjected to analysis of Variance (ANOVA) in a CRD and mean that was significant was separated using Fisher's least significant difference (F-LSD). The results showed that land used for animal and crop productions had lower nutrients whereas grass & shrub land and forestry land had higher nutrients. Hence, the importance of encouraging the planting of vegetation in our land to improve soil productivity.

Keywords: Degradation, Ecosystem, Erosion, Productivity, Quality
