



Influence of *Pinus kesiya* on Soil Properties

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Abstract: The main aim of the present study was to determine microbial population and to analysis soil physical and chemical properties from rhizospheric and non-rhizospheric soil of *Pinus kesiya*. Microbial population (bacteria, fungus and actinomycetes) was observed higher in rhizospheric soil compared to non-rhizospheric soil of *P. kesiya*. Among bacteria, fungus and actinomycetes soil microorganism, bacteria were found maximum in rhizosphere and non-rhizosphere soil followed by fungi and actinomycetes. According to soil physico-chemical characteristics analysis, soil rhizospheric showed richer in soil nutrients than the non-rhizospheric soil characteristics. In conclusion, it is evident that *P. kesiya* has ability to influence soil microorganism and improves the soil properties in the ecosystem.

Keywords: *Pinus kesiya*, Rhizosphere, Microbial population, Soil properties
