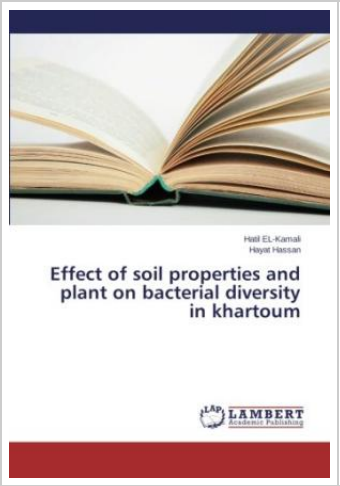

Effect of soil properties and plant on bacterial diversity in khartoum

By Kamali, Hatil El- / Hassan, Hayat

Condition: New. Publisher/Verlag: LAP Lambert Academic Publishing | Bacterial diversity and total viable counts of bacteria of the different soil samples from different localities in Khartoum State (three regions : AL-Gaeli , Sharq EL-Neel and Omdurman North and eight sub-regions : Kunger, Gary , Wadi Gedad in AL-Gaeli region ; Soba, AL-Elafoona and Um Dawan Ban in Sharq EL-Neel region ; Karary and Khor Omer in Omdurman North region) were carried out. Soil physical and chemical characteristics (pH, EC, SP, soluble cations: Na, K, Ca, Mg and anion P, organic carbon , total nitrogen and soil texture in each of different studied sub-regions were measured. Soil samples reveal a total of more than 15 different species of bacteria, of which 2 are unidentified. The 11 species are classified under Bacillus genus and the remaining 2 species are classified under Micrococcus genus. Soil Actinomyces spp. and Streptomyces spp. were the most abundant microorganisms identified in the three habitats (regions) which directly may influence decomposition processes and nutrient cycling in the soil. | Format: Paperback | Language/Sprache: english | 100 pp.

Reviews

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