

ECOLOGICAL INTERACTIONS OF PLANTS AND SOME WILDLIFE SPECIES IN THE NORTHERN GUINEA SAVANNA VEGETATION OF THE KAINJI BASIN, NIGERIA

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This study was conducted to describe the floral and faunal occurrences and inter-relationships between them. Fifty-seven plant species and seventeen species of wildlife were coded for detrended correspondence analysis (DCA) option of the CANOCO program. Most Common plant species were *Combretum molle*, *Annona senegalensis*, *Acacia nilotica*, *Piliostigma thonningii* and *Terminalia mollis*. Commonly encountered species of wildlife were Cane rat (*Thryonomys swinderianus*), Stone partridge (*Ptilinopus petrosus*) Ground squirrel (*Xerus erythropus*), Roan antelope (*Hippotragus equinus*) and Giant rat (*Cricetomys gambianus*). Species and transect biplots revealed different patterns of affinities between various plant and animal. Pearson correlation coefficient revealed the percentages of ecological association between animals.