

**Species composition, distribution and abundance of trees  
on a 4-hectare site adjacent to the Football Field Area of  
UPV Miag-ao, Iloilo**

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Presented to  
The Division of Biological Sciences  
University of the Philippines Visayas  
Miag-ao, Iloilo

By:

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A four-hectare plot adjacent to the Football Field of UPV Miagao was chosen as the study area. The local name and scientific name of each tree in the plot were identified. GBH and height of trees were noted. Basal Area, Index of Dominance, Index of Diversity and Frequency were also noted. In addition, the distribution of trees in relation with soil and air temperature and relative humidity were also noted.

Eight hundred fifty-eight trees were identified inside the 4 hectare plot. The trees were identified excluding seedlings of these trees. Twenty species of trees were identified in the sampling site. The top 5 most numerous species are Acacia, "Aratiles", "Mangga", "Kawayan" and "Gmelina". The computed value of Index of Dominance is higher compared to the Index of Diversity, indicating that the area is not diverse and that certain species dominates the area. The distribution of trees is affected by the temperature ranging from 19.2 C to 39C.