

# Characterization of threatened flora of the Malagueta Bay Wildlife Refuge, Las Tunas, Cuba

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## 1. Introduction

Success in conservation within protected areas largely depends on the knowledge of the species that are to be preserved. Therefore, the objective of this research was to characterize the threatened flora present in the Bahía de Malagueta Wildlife Refuge, a protected area located in Las Tunas province.

## 2. Methodology

- The floristic inventory was conducted from June 2024 to February 2025
- A stratified sampling was conducted in which the study area was divided into seven strata
- The majority of the species were identified in the samples

## 3. Results and discussion

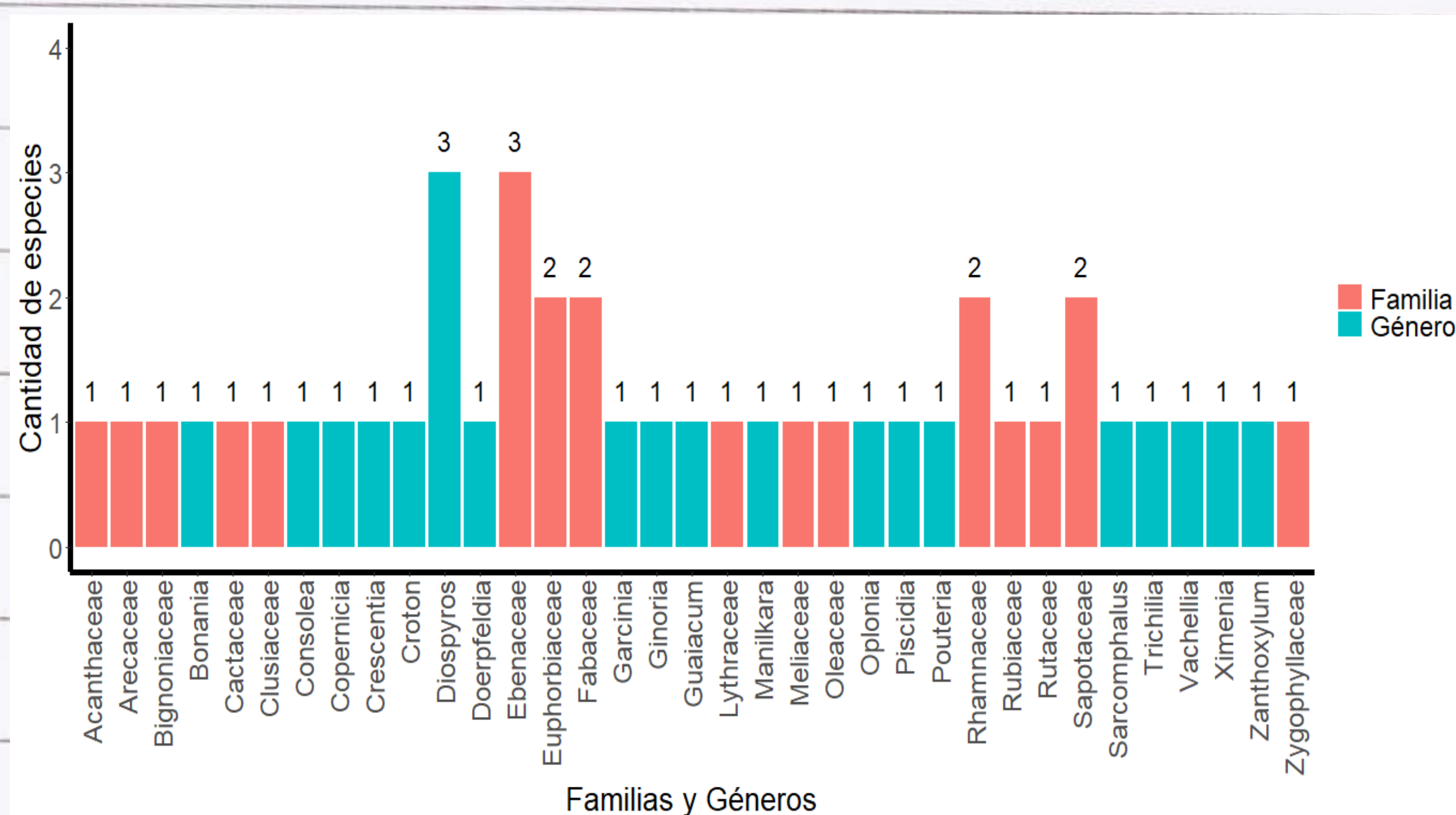


Figure 2: number of species by families and genera



Figure 3: *Zanthoxylum pistaciifolium* in the Malagueta Bay wildlife Refuge

This species is recorded for the first time in Las Tunas province

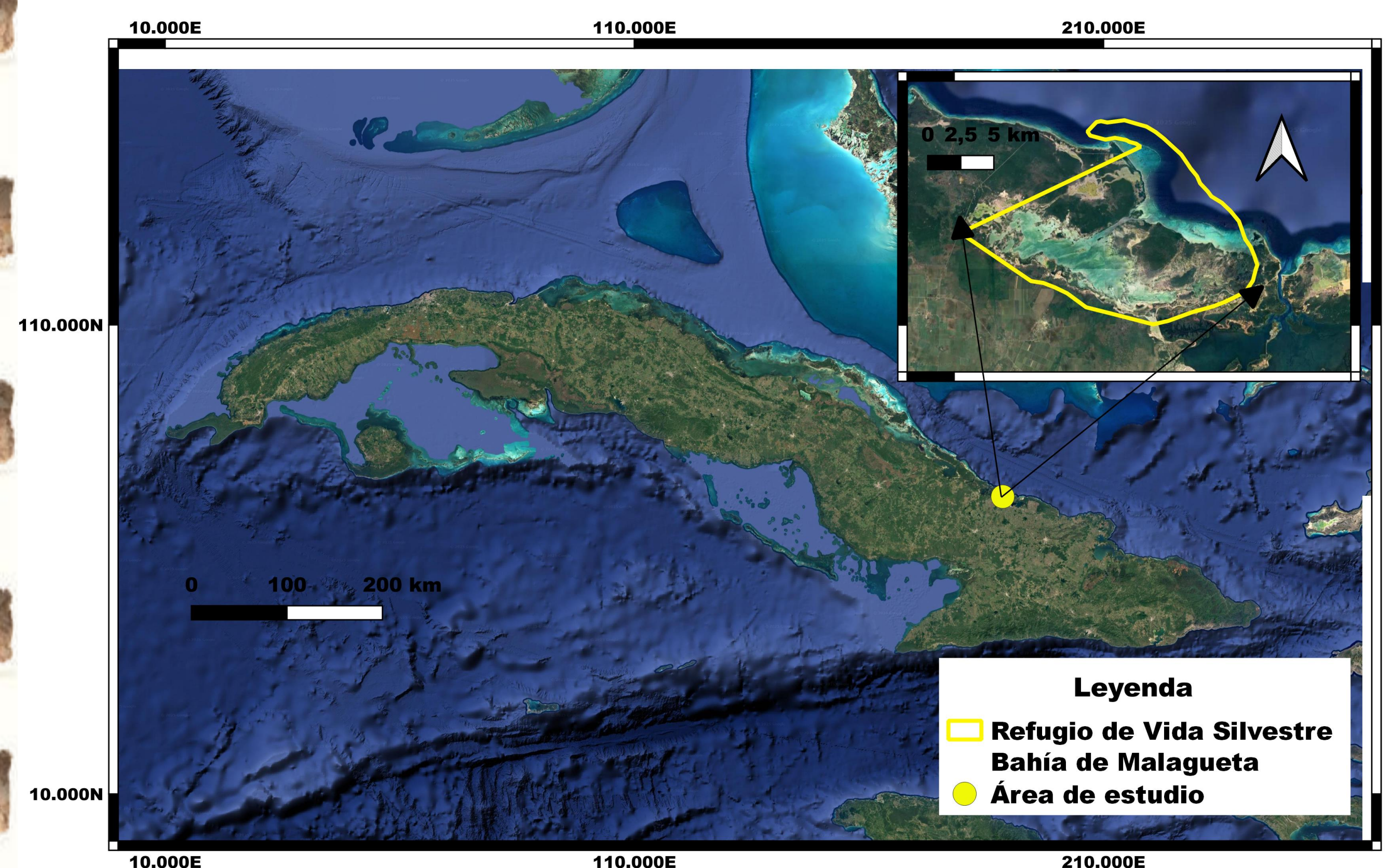


Figure 1: Map of the study area

## 4. Conclusions

- The richness of the threatened flora found in the Bahía de Malagueta Wildlife Refuge is greater than that reported in the Red List of Flora of Cuba for this protected area.
- Among the analyzed plant species in the Bahía de Malagueta Wildlife Refuge, five are prioritized for conservation.