

Threats and management options of wild edible plants: A case in semi-arid lands of Turkana County, Kenya

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Introduction

Wild edible plants contribute to the fight against malnutrition and hunger. However, they face threats and need to be managed for sustainable use. We assessed both threats and management options in three communities in Turkana County, Kenya.





 Both FGD and Field ranking of threats showed strong positive linear relationship.

Results

 Few threats however varied in ranks between FGDs and field observations.



- Spatially, threat ranks differed across community units.
- Extreme events, loss of surface water and emergence of invasive species (Climate change), overgrazing and overharvesting ranked high.

Z Methods

- We conducted focus group discussions (FGDs) with local communities and field plot surveys.
- We used score ranking method in an integrated participatory approach.





Field Threats

 Some threats like pests and diseases, however, ranked consistently low.

Conclusions

- Ranks of threats and management options differed across community units.
- Climate change, overgrazing, overharvesting, and invasive spcies ranked high.
- Protection of natural habitats for WEPs and preservation of local knowledge are plausible management options.

Management options



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