



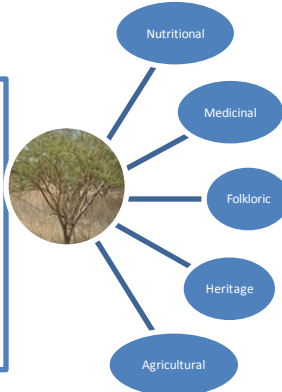
Assessment of Local Knowledge and Traditional Uses of *Acacia senegal* in Rural Areas of North Kordofan, Sudan

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Objectives

- To assess the local knowledge related to the different uses of all parts of *Acacia senegal* (Gum Arabic tree) (*Hashab*).
- To investigate the role of local knowledge in protection and conservation of *Acacia senegal*.



Data collection

- Explorative survey methods and participatory observations following a purposive sampling technique, by semi-structured and open interviews.
- 30 rural people (Hashab tappers and Hashab users) were interviewed

Study area: *Um Habila* village, is located South East Elobied in the main road of Elobied-Khartoum. *Um Dabos* village which is located in Bara locality, North to Elobied. Both areas are pioneer in gum arabic production, people with long time experience in production, tapping and using of *A. senegal* trees.



North Kordofan

Gum exudation

Agroforestry

Flowers

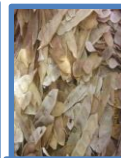
Dusty gum

Fresh gum

Results

Acacia senegal is multi-purpose tree where the local and traditional knowledge related to the tree uses exceed 40

- ✓ **Nutritionally:** (gum arabic as food for human, bark, flowers and pods as fodder for goats)
- ✓ **Gum powder** is used for homogeneity of local and house-made juice
- ✓ **Medicinally:** (gum arabic used for stomach disorders and kidney, bark is used for injury healing and cure)
- ✓ **Culturally:** (Poems, wisdoms and says related to the tree enhanced its protection and conservation)
- ✓ *A. senegal* is the basic component of Agroforestry in NK since ancient time up to date.



Pods



Impurities



Leaves



Seeds

Conclusion and recommendation

- ✓ *Acacia senegal* in North Kordofan is the valuable tree due to its wide range of distribution and uses.
- ✓ It is recommended that, local knowledge related to *A. senegal* should be originated, documented and transmitted among the coming generation to guarantee protection and conservation of *A. senegal*.