

## **DEDICATION**

.To my parents, brothers, sisters, family, and relatives  
To my husband Stephen, daughter Olga, and Sons Tombe,  
.Chube, Kajamaya, and Duku

## **ACKNOWLEDGEMENT**

I would like to express my appreciation and gratitude to my supervisor Dr Ali Khalid Ali El Safori, College of Forestry and Range Science, Sudan University of Science and Technology. My special thanks are due to my colleagues Logman and Samia Bekhit (F.N.C). My appreciation extends .to Upper Nile University for release and financing this study My thanks are also due to Medicinal and Aromatic Plants Research Institute Director and staff of Forestry Research .Center at Soba

.

# ABSTRACT

## **,Taxonomic Study on Woody Plants in Soba Area .Khartoum State, Sudan**

The study was conducted in Soba area, Khartoum State. The main objectives of the study are to document the woody plants of the study Area, to contribute in updating the flora of Sudan and to document the medicinal and other uses of woody plants. The material examined included freshly collected herbarium specimens .Methods used are collection in duplicate using plant pressers, dissection, identification, confirmation of identification. Botanic names and synonyms have been revised and updated. Brief descriptions of the collected species have been included. Medicinal and other uses have been given. In the present study (50) species belonging to 18 families, (17 Dicotyledons and 1 Monocotyledons) were identified and documented. 79.2% of the studied species were found to have medicinal uses. Also the present study showed variations in leaves and fruits dimensions of the .species *Balanities aegyptiaca*

It is recommended to conserve the plants species of the study area so as to reduce the encroachment of desertification and preserve the .plant species of economic and environmental importance

بسم الله الرحمن الرحيم

## ملخص البحث

### دراسة تصنيفية للنباتات الخشبية في منطقة سوبا ( ولاية الخرطوم)

يمثل هذا البحث دراسة اصيلة للنباتات الخشبية في منطقة سوبا ( ولاية الخرطوم).

من الاهداف الرئيسية لهذه الدراسة :

- توثيف ومراجعة النباتات الخشبية في منطقة سوبا.
- المساهمة في اعادة تحديث نباتات السودان.
- مسح للاستعمالات الطبية والاخري للنباتات. جمعت مواد الدراسة في شكل عينات حديثة من الحقل, مستعملاً الضاغطات النباتية لحفظ العينات.
- قد تم توثيق ( 50 ) نوع تمثل النباتات الخشبية في المنطقة تتبع الي 18 عائلة و 17 عائلة من نوات الفلقتين و واحدة من نوات الفلقة, ووصفت وصفاً مختصراً مع مراجعة الأسماء العلمية والمحلية والمترادفة. وجدت الدراسة أن 79.2% من النباتات الخشبية التي تم توثيقها لها استعمالات طبية.
- كما أظهرت الدراسة أيضا اختلافات في أبعاد الأوراق والثمار لشجرة الهجليج.
- لقد أوصت الدراسة بصيانة نباتات المنطقة لتقليل خطر الزحف الصحراوي والمحافظة عليها لما لها من قيمة اقتصادية وبيئية.

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