

INITIATION

بسم الله الرحمن الرحيم
(هو الذي انزل من السماء ماء
لكم منه شراب ومنه شجر فيه
تسيمون .)

النحل - 10

DEDICATION

*To the great woman, whom I indebted
...my being, my mother
...My freehanded father
My brothers...
...My extended family
...My friends
...I offer this modest effort*

Sara

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ABSTRACT

This research focuses on the study of urban forestry. Being a new subject, the research emphasized in details the definition and benefits of urban forestry and its importance in cities and towns which are facing extensive development and expansions to meet the environmental, economical, social and beatification needs. The study considers the ways of how to plant trees in houses, gardens, towns, public roads and shelter-belts around cities and towns. In addition to the style of management, protection and enumeration of the trees already planted there.

The research considered Khartoum as the study area, referring to the Green Belt as one aspect of urban forestry which had completely disappeared, showing the impacts which resulted from this action and estimating areas of different vegetation cover and the types of trees, shrubs, grasses and open areas as well as the land use activities and the state of the land regarding its suitability to agriculture and biodiversity. The research is looking for the different efforts for tree planting in the area in order to secure the maximum environmental, economical, and social benefits and any other beautiful aspects.

الملخص

.سارة عبدالله محمد يوسف

أهمية التشجير الحضري (دراسة حالة - منطقة
(الخرطوم)

يتركز البحث علي دراسة التشجير الحضري. ولحدثة هذا العلم فقد تناول البحث بشكل مفصل تعريف وقيمة وفوائد التشجير الحضري, كذلك وأهميته في المدن المصحوبة بالتوسع التنموي الكبير لمقابلة الاحتياجات البيئية والاقتصادية والاجتماعية والجمالية علي وجه الخصوص. وقد تطرق البحث إلي كيفية زراعة الأشجار في المنازل والحدائق والطرق العامة, والأحزمة الشجرية حول المدن. بالإضافة إلي كيفية إدارة وفلاحة وحماية وحصر الأشجار المزروعة بالمدن.

تناول البحث الخرطوم كمنطقة للدراسة, متناولا الحزام الأخضر كأحد صور ومظاهر التشجير الحضري الذي اختفي تماما, موضحا الآثار التي نتجت عن ذلك. وجري تقدير مساحات أنواع الغطاء النباتي بالمنطقة من أشجار وشجيرات وأعشاب وأرض خالية ورصدت استخدامات الأراضي بالمنطقة, وحالة الأرض من حيث الصلاحية للزراعة والتنوع الحيوي, بحثا عن الجهودات المختلفة لاستزراع الأشجار وتشجير المنطقة للاستفادة القصوى من ذلك جماليا وبيئيا واقتصاديا واجتماعيا.

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