



Sudan University of Science and Technology
College of Graduate Studies



***Finite Element Analysis of Driven Piles in Expansive
Soil***

(Case Study Khartoum Area)

***التحليل بالعناصر المحددة للأوتاد المغروزة في التربة المنتفخة
(دراسة الحالة منطقة الخرطوم)***

***A Thesis Submitted in Partial Fulfillment of the Requirements for
the Degree of M.Sc. in Construction Engineering***

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Dedicated... to my parentsand

The spirit of my sisters

Aisha...Ebtisam