



**Sudan University of Science & Technology**  
**College of Graduate Studies**



**Study of the Impact of Erosion and Deposition in Nile  
Agricultural Lands Using GIS and RS**

**دراسة تأثير التعرية والترسيب في الأراضي الزراعية النيلية  
باستخدام نظم المعلومات الجغرافية والاستشعار عن بعد**

**A dissertation Submitted for the Degree of Master of Science  
in Geodesy and GIS**

**Prepared by:  
Bassam Awad Khalaflla Taha**

**Supervisor:  
Dr. Abdel Rahim Elhag Abdel Aziz**

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## الايه

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بسم الله الرحمن الرحيم

الْوَرُضَ مَدَدْنَاهَا وَأَلْقَيْنَا فِيهَا  
رَوَاسِيَ وَأَنْبَتْنَا فِيهَا مِنْ كُلِّ شَيْءٍ  
مَّوْزُونٍ ﴿19﴾

وَجَعَلْنَاهَا لَكُمْ فِيهَا مَعَايِشَ وَمَنْ  
لَسْتُمْ لَهُ بِرَازِقِينَ ﴿20﴾ وَإِنْ مِنْ  
شَيْءٍ إِلَّا عِنْدَنَا خَزَائِنُهُمَا نُنَزِّلُهُ  
إِلَّا بِقَدَرٍ مَّعْدُومٍ ﴿21﴾

صدق الله العظيم

سورة الحجر (19 - 21)

## **Dedication**

This thesis is dedicated to my parents & my sister who have raised me to be the person I am today. You have been with me every step of the way, through good times and bad. Thank you for all the unconditional love, guidance, and support that you have given me, helping me to succeed and instilling the confidence that I am capable of doing anything I put my mind to. Thank you for everything.

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