

بِسْمِ اللّٰهِ الرَّحْمٰنِ الرَّحِیْمِ

**SUDAN UNIVERSITY OF SCIENCES AND
TECHNOLOGY
COLLEGE OF GRADUATE STUDIES**

**Effect of Salinity and NPK Fertilizer on Tomato (*lycopersicon
esculentum* L) Growth and Productivity in Dongola Area**

أثر ملوحة التربة وسماد NPK
في نمو الطماطم وانتاجيتها بمنطقة دنقلا

*A Thesis submitted in Fulfillment of the Requirements for the Degree of Ph.D. In
Soil Fertility and Fertilizers*

By:

Awadia Awad Ahmad

Supervisor

Dr. Zaheereldin Abdalla Ali

Co-Supervisor

Dr. Abd Elkarim Elobeid Fadl

Dr. Mohamed Osman Warrag

2013