بسم الله الرحمن الرحيم

Sudan University of Science and Technology College of graduate studies

Study of Contamination of Vegetables and Soils by Heavy Metals in Khartoum State on 2016

A Thesis Submitted for Fulfillment for the Requirements of the Degree of Doctor of Philosophy in Physics

Prepared by:

Dafalla Hamdan Mohammed Ibrahim

Supervisor by:

Dr. Ibrahim Mohammed Elfaki

Co. Supervisor by :

Dr. Ahmed Elhassan Elfaki

February 2017