## بسم الله الرحمن الرحيم

## Sudan University of Science and Technology College of Graduate Studies

Epidemiological Investigation of Bovine Anaplasmosis in Khartoum State, Sudan

التقصي الوبائي لأنبلازما الابقار في ولاية الخرطوم -السودان

A thesis Submitted to the College of Graduate Studies in Partial Fulfillment of the Requirements for the Master of Preventive Veterinary Medicine

(MPVM)

By

Ammar Ibrahim Abdelrahman Yousif

BVM, 2010, College of Veterinary Medicine and animal production, Sudan University of Science and Technology Supervisor:

Professor Abdelhamid Ahmed Mohamed Elfadil Co-Adviser:

Professor Yassir Osman Mohammed

August 2013