

Sudan University of Science and Technology  
College of Graduate Studies and Scientific Research

**Isolation and Identification of *Moraxella catarrhalis* in  
Children with**

**Otitis Media in Khartoum State**

**عزل ومعرفة الموراكسيلا النزلية عند الأطفال المصابين بالتهاب  
الأذن الوسطى في ولاية الخرطوم**

A dissertation submitted in partial fulfillment of the requirements  
of M.Sc. in

Medical Laboratory Science (Microbiology)

By

Zeinab Ahmed Ali Alharith

B.Sc. in Medical Microbiology

Sudan University of Science and Technology, 2008

Supervisor

Dr. Yousif Fadlalla Hamedelnil

2011