

بسم الله الرحمن الرحيم

Sudan University of Science and Technology

College of Graduate Studies

**Detection of Extended-Spectrum Beta-Lactamase
Genes in *Proteus Mirabilis* Isolates from Clinical Specimens**

المؤلفة: نoha مصطفى عبد اللطيف

المهنة: دكتوراه في العلوم الطبية

**A dissertation submitted in partial fulfillment for the requirements of
M.Sc degree in Medical Laboratory Science (Microbiology)**

By

Nuha Mustafa abdellatif

Supervisor

Dr. Humodi Ahmed Saeed

2010