

بسم الله الرحمن الرحيم



**Sudan University of Science and Technology**

**College of Graduate Studies**

**Serological and Molecular Detection of Hepatitis B Virus  
among High Risk group in Sudan**

الكشف المصلي والجزيئي عن فيروس التهاب الكبد البائي وسط المجموعات الأكثر  
عرضة للإصابة بالمرض بالسودان

A thesis submitted for fulfillment of the requirements of Doctor of philosophy  
Degree in Medical Laboratory Science (Medical Microbiology).

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August 2017

