

بسم الله الرحمن الرحيم

Sudan University of Science and Technology

College of Graduate Studies

**Diagnosis of Sickle Cell Disease by
Molecular Biology & Conventional
Technique among Sudanese
Population**

**تشخيص مرض الأنيميا المنجلية باستخدام
التقنية الجزيئية الحيوية والطرق التقليدية بين
المجموعات السودانية**

**A thesis submitted in the fulfillment of
the degree of PhD in Haematology.**

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