

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

Sudan University of Science and Technology
College of Graduate Studies

**Phenotypic and Serologic Studies on *Salmonella typhi* in
Patients with Typhoid Fever**

دراسات ظاهرية ومصلية على السالمونيلا التيفية عند المرضى بالحمى التيفية

A Dissertation Submitted in Partial Fulfillment for the Requirements of
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