

بسم الله الرحمن الرحيم

**Sudan University of Science and Technology**

**Collage of Graduate Studies**

**Flow Cytometric Immunophenotyping of Mature  
B-cell Neoplasm in Adult Sudanese Patients**

**النمط المناعي الظاهري بعداد الخلايا التدفقي لأورام الخلايا البائية  
الناضجة للمرضى السودانيين البالغين**

*A thesis submitted in the fulfilment of the degree of doctorate of philosophy*

*in Histopathology & Cytology*

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